



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 57<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 25 June 2020, EFSA, Parma**

**(Agreed on 25 June 2020)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer, Henk Van Loveren

■ Hearing Experts:

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■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay, Marco Binaglia<sup>1</sup>

DATA Unit: Francesca Riolo<sup>1</sup>

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden.

### 2. Adoption of agenda

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<sup>1</sup> Participated from 1000-1300h



The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 56th Working Group meeting held on 15 June 2020, by Teleconference.

The minutes of the 56th Working Group meeting held on 15 June 2020, by Teleconference, were agreed<sup>4</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>5</sup>**

The members of the working group (WG) discussed the responses to the public consultation comments and the updates made to the opinion. Additional tasks were assigned.

Once the pending tasks are addressed, the WG Chair agreed the draft Opinion can be presented for possible adoption at the upcoming Panel meeting.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

TBC

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 56<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 15 June 2020, EFSA, Parma**

**(Agreed on 22 June 2020)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer<sup>1</sup>, Henk Van Loveren

■ Hearing Experts:

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■ European Commission and/or Member States representatives:

None

■ EFSA:

AMU Unit: José Cortiñas Abrahantes<sup>1</sup>

BIOCONTAM Unit: Karen Mackay, Marco Binaglia

DATA Unit: Francesca Riolo

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Bettina Grasl-Kraupp and Veerle Vanheusden.

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<sup>1</sup> Participated from 0900-1100h



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 55th Working Group meeting held on 08 June 2020, by Teleconference.

The minutes of the 55th Working Group meeting held on 08 June 2020, by Teleconference, were agreed<sup>4</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>5</sup>**

The members of the working group discussed further responses to the public consultation comments.

Additional tasks were assigned.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

25 June 2020

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 55<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 08 June 2020, EFSA, Parma**

**(Agreed on 12 June 2020)**

### Participants

- Working Group Members:  
Laurent Bodin, Line Småstuen Haug, Ron Hoogenboom (vice chair), Helle Knutsen
- Hearing Experts:  
-
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Karen Mackay, Federico Cruciani
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden and Tanja Schwertdle.

### 2. Adoption of agenda

The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members



In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the 54th Working Group meeting held on 08 June 2020, by Teleconference.**

The minutes of the 54<sup>th</sup> Working Group meeting held on 08 June 2020, by Teleconference, were agreed<sup>3</sup>.

#### **5. Scientific topic(s) for discussion**

##### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group discussed PBPK modelling, in relation to the draft opinion and comments received during the Public Consultation.

Tasks were assigned.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting(s)**

15 June 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 54<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 08 June 2020, EFSA, Parma**

**(Agreed on 12 June 2020)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer<sup>1</sup>, Henk Van Loveren

■ Hearing Experts:

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■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay, Marco Binaglia; Federico Cruciani  
DATA Unit: Francesca Riolo

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden.

### 2. Adoption of agenda

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<sup>1</sup> Participated until 1030h



The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 53rd Working Group meeting held on 20 May 2020, by Teleconference.

The minutes of the 53rd Working Group meeting held on 20 May 2020, by Teleconference, were agreed<sup>4</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>5</sup>**

The members of the working group discussed the draft opinion and responses to the public consultation comments.

Further tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

08 June 2020 (PM)

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 53rd MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 20 May 2020, Teleconference**

**(Agreed on 28 May 2020)**

### Participants

- Working Group Members:  
Line Småstuen Haug, Ron Hoogenboom (vice-Chair), Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (Chair)
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
-
- EFSA:  
BIOCONTAM Unit: Karen Mackay  
DATA Unit: Francesca Riolo
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes. Apologies were received from Veerle Vanheusden.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 52b Working Group meeting held on 18 May 2020, by Teleconference.

The minutes of the 52b Working Group meeting held on 18 May 2020, by teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group further discussed the comments submitted during the public consultation in relation to the sections of the opinion on occurrence, exposure and additional information. Additional tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

08 June 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 52b MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 18 May 2020, Teleconference**

**(Agreed on 20 May 2020)**

### Participants

- Working Group Members:  
Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Henk Van Loveren
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
-
- EFSA:  
BIOCONTAM Unit: Marco Binaglia, Karen Mackay
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes. Apologies were received from Veerle Vanheusden.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 52nd Working Group meeting held on 12 May 2020, Teleconference.

The minutes of the 52nd Working Group meeting held on 12 May 2020, by teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the comments submitted during the public consultation in relation to the sections of the opinion on Dose-response assessment and Critical effects. Tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

20 May 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 52nd MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 12 May 2020, Teleconference**

**(Agreed on 18 May 2020)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Henk Van Loveren

■ Hearing Experts<sup>1</sup>:

Klaus Abraham, Hans Mielke

■ European Commission and/or Member States representatives:

Veerle Vanheusden<sup>2</sup>

■ EFSA:

BIOCONTAM Unit: Marco Binaglia<sup>3</sup>, Karen Mackay

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

<sup>1</sup> Participated from 1600-1700h

<sup>2</sup> Participated from 1400-1700h

<sup>3</sup> Participated from 1600-1700h



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 51<sup>st</sup> Working Group meeting held on 12 May 2020, Teleconference.

The minutes of the 51st Working Group meeting held on 12 May 2020, by teleconference, were agreed<sup>6</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>7</sup>**

The members of the working group (WG) discussed the comments submitted during the public consultation in relation to the sections of the opinion on Toxicokinetics, Biomonitoring, Human observations, Critical effects and Dose-response assessment. Tasks were assigned.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

18 May 2020

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<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>6</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>7</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 51st MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 12 May 2020, Teleconference**

**(Agreed on 18 May 2020)**

### Participants

- Working Group Members:  
Bettina Grasl-Kraupp, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Henk Van Loveren, Guenter Vollmer
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
-
- EFSA:  
BIOCONTAM Unit: Karen Mackay
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes. Apologies were received from Veerle Vanheusden.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 50th Working Group meeting held on 08 May 2020, Teleconference.

The minutes of the 50th Working Group meeting held on 08 May 2020, by teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the comments submitted during the public consultation in relation to the sections of the opinion on Toxicity in Experimental Animals and Mode of Action. Tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

12 May 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 50th MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 08 May 2020, Teleconference**

**(Agreed on 11 May 2020)**

### Participants

- Working Group Members:  
Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Henk Van Loveren
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
Veerle Vanheusden
- EFSA:  
BIOCONTAM Unit: Marco Binaglia, Karen Mackay
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 49th Working Group meeting held on 30 April 2020, Teleconference.

The minutes of the 49th Working Group meeting held on 30 April 2020, by teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the comments submitted during the public consultation in relation to the sections of the opinion on Biomonitoring, Human observations, Critical Effects and Dose-response assessment. Tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

12 May 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 49th MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 30 April 2020, Teleconference**

**(Agreed on 07 May 2020)**

### Participants

- Working Group Members:  
Line Småstuen Haug, Ron Hoogenboom (vice-Chair), Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (Chair)
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
Veerle Vanheusden
- EFSA:  
BIOCONTAM Unit: Karen Mackay  
DATA Unit: Francesca Riolo
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 48th Working Group meeting held on 14-15 January 2020, Brussels.

The minutes of the 48th Working Group meeting held on 14-15 January 2020, in Brussels, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the comments submitted during the public consultation in relation to the sections of the opinion on occurrence, exposure and additional information. Tasks were assigned.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

08 May 2020

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 48<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 14-15 January 2020, Brussels**

**(Agreed on 15 January 2020)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>1</sup>, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer, Henk Van Loveren

■ Hearing Experts:

Klaus Abraham<sup>2</sup>

■ European Commission and/or Member States representatives:

Veerle VanHeusden

■ EFSA:

BIOCONTAM Unit: Karen Mackay

DATA Unit: Francesca Riolo<sup>3</sup>

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Alain-Claude Roudot.

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<sup>1</sup> Participated by teleconference

<sup>2</sup> Participated on 14 January 2020

<sup>3</sup> Participated by teleconference on 15 January 2020



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 47<sup>th</sup> Working Group meeting held on 12 December 2019, Teleconference.

The minutes of the 47<sup>th</sup> Working Group meeting held on 12 December 2019, Teleconference, were agreed<sup>6</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>7</sup>**

The members of the working group discussed the recent updates to the draft opinion on perfluoroalkylated substances in food and additional tasks were allocated. The hearing expert joined to discuss further details of a human epidemiological study.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

TBC

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>6</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>7</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 47<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 12 December 2019, Teleconference**

**(Agreed on 12 December 2019)**

### Participants

- Working Group Members:  
Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Henk Van Loveren
- Hearing Experts:  
Klaus Abraham<sup>1</sup>
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Karen Mackay
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden.

### 2. Adoption of agenda

The agenda was adopted without changes.

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<sup>1</sup> Participated from 0900-1100h



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 46<sup>th</sup> Working Group meeting held on 12 November 2019, by teleconference.

The minutes of the 46<sup>th</sup> Working Group meeting held on 12 November 2019, by teleconference, were agreed<sup>4</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>5</sup>**

The hearing expert and the members of the sub-working group (WG) discussed an epidemiological study. The WG also discussed the approach for the risk assessment further. Revisions were proposed and further tasks allocated.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

14-15 January 2020.

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 46<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 12 November 2019, Teleconference**

**(Agreed on 12 November 2019)**

### Participants

- Working Group Members:  
Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair), Guenter Vollmer
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Karen Mackay
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden.

### 2. Adoption of agenda

The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members



In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the 45<sup>th</sup> Working Group meeting held on 4-5 November 2019, Parma.**

The minutes of the 45<sup>th</sup> Working Group meeting held on 4-5 November 2019, Parma, were agreed<sup>3</sup>.

#### **5. Scientific topic(s) for discussion**

##### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the section of the draft opinion on reproductive and developmental toxicity. Revisions were proposed and further tasks allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting(s)**

12 December 2019.

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 45<sup>th</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 4-5 November 2019, EFSA, Parma**

**(Agreed on 5 November 2019)**

### Participants

■ Working Group Members:

Lars Barregård<sup>1</sup>, Laurent Bodin<sup>2</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>3</sup>, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen<sup>4</sup>, Martin Rose<sup>5</sup>, Tanja Schwerdtle (chair), Guenter Vollmer, Henk Van Loveren

■ Hearing Experts:

Klaus Abraham<sup>6</sup>

■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay, Elena Rovesti, Marco Binaglia

DATA Unit: Francesca Riolo<sup>7</sup>

■ Others:

Not Applicable.

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<sup>1</sup> Participated by teleconference on 04 November 2019

<sup>2</sup> Participated by teleconference

<sup>3</sup> Participated by teleconference

<sup>4</sup> Participated by teleconference

<sup>5</sup> Participated by teleconference

<sup>6</sup> Participated by teleconference on 04 November 2019 (AM)

<sup>7</sup> Participated on 05 November 2019



## 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden and Alain-Claude Roudot.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>8</sup> and the Decision of the Executive Director on Competing Interest Management<sup>9</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 44<sup>th</sup> Working Group meeting held on 15 October 2019, Teleconference.

The minutes of the 44<sup>th</sup> Working Group meeting held on 15 October 2019, Teleconference, were agreed<sup>10</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>11</sup>**

The members of the working group discussed the draft opinion on perfluoroalkylated substances in food. Revisions were proposed and additional tasks allocated. The hearing expert joined to discuss a human epidemiological study.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

12 November 2019.

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<sup>8</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>9</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>10</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>11</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 44th MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 15 October 2019, Teleconference**

**(Agreed on 22 October 2019)**

### Participants

- Working Group Members:  
Line Småstuen Haug, Ron Hoogenboom (vice-Chair), Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (Chair)
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Karen Mackay, Elena Rovesti  
DATA Unit: Francesca Riolo
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 43b Working Group meeting held on 01 October 2019, Teleconference.

The minutes of the 43b sub-Working Group meeting held on 01 October 2019, by teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the updates to the opinion in relation to the sections on occurrence in food and exposure.

Further tasks were allocated.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

04-05 November 2019

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 43b MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 1 October 2019, Teleworking**

**(Agreed on 15 October 2019)**

### Participants

- Working Group Members:  
Thorhallur Ingi Halldorsson, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair)
- Hearing Experts:  
Klaus Abraham
- European Commission and/or Member States representatives:  
Veerle Vanheusden
- EFSA:  
BIOCONTAM Unit: Karen Mackay, Marco Binaglia
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 43<sup>rd</sup> Working Group meeting held on 13 September 2019, teleconference.

The minutes of the 43<sup>rd</sup> Working Group meeting held on 13 September 2019, teleconference, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>4</sup>**

The hearing expert and the members of the sub-working group discussed an epidemiological study.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

15 October 2019

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 43<sup>rd</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 13 September 2019, Teleworking**

**(Agreed on 23 September 2019)**

### Participants

- Working Group Members:  
Henk Van Loveren<sup>1</sup>, Laurent Bodin, Thorhallur Ingi Halldorsson<sup>2</sup>, Ron Hoogenboom, Helle Knutsen, Tanja Schwerdtle (chair)
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
Veerle Vanheusden
- EFSA:  
BIOCONTAM Unit: Marco Binaglia, Karen Mackay, Elena Rovesti
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. There were no apologies for absence.

### 2. Adoption of agenda

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<sup>1</sup> Participated from 1300-1400h

<sup>2</sup> Participated from 1300-1415h



The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 42<sup>nd</sup> Working Group meeting held on 6 September 2019

The minutes of the 42<sup>nd</sup> Working Group meeting held on 6 September 2019, were agreed<sup>5</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>6</sup>**

The members of the working group (WG) discussed benchmark dose modelling in relation to feedback from the SCER Cross-cutting WG on Benchmark Dose.

Further tasks were allocated.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

15 October 2019

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<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>5</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 42<sup>nd</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 06 September 2019, Teleconference**

**(Agreed on 06 September 2019)**

### Participants

- Working Group Members:  
Line Småstuen Haug, Ron Hoogenboom (vice-Chair), Helle Knutsen, Martin Rose, Tanja Schwerdtle (Chair)
- Hearing Experts:  
None
- European Commission and/or Member States representatives:  
Veerle Vanheusden
- EFSA:  
BIOCONTAM Unit: Karen Mackay, Elena Rovesti  
DATA Unit: Francesca Riolo
- Others:  
Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Niklas Johansson.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 41<sup>st</sup> Working Group meeting held on 22-23 August 2019, Gothenburg.

The minutes of the 41<sup>st</sup> Working Group meeting held on 22-23 August 2019, Gothenburg, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) discussed the updates to the opinion in relation to the sections on occurrence in food and dietary exposure.

Further tasks were allocated.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

09 September 2019

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 41<sup>st</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 22-23 August 2019, Gothenburg**

**(Agreed on 02 September 2019)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom (vice-Chair), Niklas Johansson, Helle Knutsen, Tanja Schwerdtle (chair)<sup>1</sup>, Guenter Vollmer

■ Hearing Experts:

/

■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay

DATA Unit: Francesca Riolo<sup>2</sup>

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Veerle Vanheusden, Martin Rose and Alain-Claude Roudot.

<sup>1</sup> Participated by teleconference.

<sup>2</sup> Participated by teleconference on 22 Aug 2019 (AM).



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 40<sup>th</sup> Working Group meeting held on 4-5 June 2019, Parma.

The minutes of the 40<sup>th</sup> Working Group meeting held on 4-5 June 2019, Parma, were agreed<sup>5</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkyl substances in food (EFSA-Q-2017-00549)<sup>6</sup>**

The members of the working group (WG) discussed the draft opinion on perfluoroalkyl substances in food. In particular, updates made to the sections on occurrence in food, dietary exposure assessment, toxicity in experimental animals, human observations, mode of action and critical effects, were reviewed.

Revisions were proposed and further tasks allocated.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

06 September 2019

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>5</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 40<sup>TH</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 4-5 June, EFSA, Parma**

**(Agreed on 25 June 2019)**

### Participants

■ Working Group Members:

Lars Barregård<sup>1</sup>, Laurent Bodin<sup>1</sup>, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line S. Haug<sup>1</sup>, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer<sup>2</sup>.

■ Hearing Experts:

/

■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay, Marco Binaglia

DATA Unit: Francesca Riolo<sup>3</sup>, Davide Arcella<sup>3</sup>

■ Others:

Not Applicable.

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden, Jean Pierre Cravedi and Alain-Claude Roudot

<sup>1</sup> Participated by teleweb conference for the entire meeting

<sup>2</sup> Participated by teleweb conference on 04 June 2019 (AM)

<sup>3</sup> Participated on 05 June 2019 (AM)



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 39<sup>th</sup> Working Group meeting held on 27<sup>th</sup> May 2019, Teleconference.

The minutes of the 39<sup>th</sup> Working Group meeting held on 27th May 2019, teleconference, were agreed<sup>6</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>7</sup>**

The members of the working group (WG) discussed the points raised during the May 2019 CONTAM Plenary. The endpoints, delayed mammary gland development and increased alanine aminotransferase (ALT), were discussed and the recent updates made to sections of the opinion on experimental animal toxicity were reviewed.

The occurrence in food data and the approach for the dietary exposure assessment were further discussed.

Revisions were proposed and further tasks allocated.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

22-23 August 2019.

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<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>6</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>7</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 39<sup>TH</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 27 May, Teleconference**

**(Agreed on 03 June 2019)**

### Participants

- Sub-Working Group Members:  
Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair)
- Hearing Experts:  
/
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Marco Binaglia<sup>1</sup>, Karen Mackay, Elena Rovesti  
DATA Unit: Francesca Riolo<sup>2</sup>
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden and Line S. Haug.

### 2. Adoption of agenda

<sup>1</sup> Participated from 1530h to end of meeting

<sup>2</sup> Participated from 1300h-1530h



The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 38<sup>th</sup> Working Group meeting held on 29<sup>th</sup> April 2019, Teleconference.

The minutes of the 38<sup>th</sup> Working Group meeting held on 29th April 2019, teleconference, were agreed<sup>5</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>6</sup>**

The sub-working group discussed the updates to the sections of the opinion on current occurrence data in food and the current exposure assessment. Further revisions were proposed and tasks were allocated.

Additional information to be requested from the authors of papers investigating effects of PFASs on mammary gland development in rodents was discussed.

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

05-06 June 2019

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<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>5</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 38<sup>TH</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 29 April, Teleconference**

**(Agreed on 13 May 2019)**

### Participants

- Working Group Members:  
Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Helle Knutsen, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair)
- Hearing Experts:  
Hans Rumke
- European Commission and/or Member States representatives:  
None
- EFSA:  
BIOCONTAM Unit: Karen Mackay, Elena Rovesti
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants. There no apologies for absence.

### 2. Adoption of agenda

The agenda was adopted without changes.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### 4. Agreement of the minutes of the 37<sup>th</sup> Working Group meeting held on 15<sup>th</sup> and 16<sup>th</sup> April 2019, Oslo.

The minutes of the 37th Working Group meeting held on 15th and 16th April 2019, at the Norwegian Institute of Public Health in Oslo, were agreed<sup>3</sup>.

### 5. Scientific topic(s) for discussion

#### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>4</sup>**

The members of the working group (WG) together with the hearing expert discussed antibody response to vaccination and a possible threshold for reduction to indicate adversity in humans based on epidemiological studies.

Further tasks were allocated

### 6. Any Other Business

Not Applicable

### 7. Next meeting(s)

27th May 2019, Teleconference.

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>





# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 37<sup>TH</sup> MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 15-16 April 2019, Norwegian Institute of Public Health, Oslo**

**(Agreed on 29 April 2019)**

### Participants

■ Working Group Members:

Lars Barregård, Laurent Bodin<sup>1</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer

■ Hearing Experts:

Not Applicable

■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay

DATA Unit: Francesca Riolo<sup>2</sup>, Davide Arcella<sup>2</sup>

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Veerle Vanheusden and Alain-Claude Roudot

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<sup>1</sup> Participated on 15<sup>th</sup> Apr 2019 only

<sup>2</sup> Participated by teleweb on 16<sup>th</sup> April 2019 (AM) only



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 36B Working Group meeting held on 11<sup>th</sup> April 2019, Teleconference.

The minutes of the 36B Working Group meeting held on 11 April 2019, Teleconference, were agreed<sup>5</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>6</sup>**

The members of the working group (WG) discussed the studies on experimental animals and on human observations. The approach for the dietary exposure assessment was further discussed. Recent updates made to the sections of the opinion on Biomonitoring and Mode of action were reviewed.

Revisions were proposed and further tasks allocated.

## 6. Any Other Business

### **6.1. Not Applicable**

## 7. Next meeting(s)

29 April 2019

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>5</sup> <https://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



# SCIENTIFIC PANEL ON CONTAMINANTS IN THE FOOD CHAIN

## MINUTES OF THE 36B MEETING OF THE WORKING GROUP ON PERFLUOROALKYLATED SUBSTANCES (PFAS) IN FOOD

**Held on 11 April 2019, Teleconference**

**(Agreed on 15 April 2019)**

### Participants

■ Working Group Members:

Line S. Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen<sup>1</sup>, Martin D. Rose and Tanja Schwerdtle (chair)

■ Hearing Experts:

Not Applicable

■ European Commission and/or Member States representatives:

None

■ EFSA:

BIOCONTAM Unit: Karen Mackay, Elena Rovesti

DATA Unit: Francesca Riolo

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Veerle Vanheusden.

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<sup>1</sup> Participated from 0900-0930h



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## 4. Agreement of the minutes of the 36<sup>th</sup> Working Group meeting held on 22<sup>nd</sup> February 2019, Teleconference.

The minutes of the 36<sup>th</sup> Working Group meeting held on 22 February 2019, Teleconference, were agreed<sup>4</sup>.

## 5. Scientific topic(s) for discussion

### **Draft opinion on perfluoroalkylated substances in food (EFSA-Q-2017-00549)<sup>5</sup>**

The members of the working group (WG) discussed the occurrence in food data and the approach for the dietary exposure assessment. Updates were proposed and further tasks were allocated.

## 6. Any Other Business

Not Applicable

## 7. Next meeting(s)

15 - 16 April 2019

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/wgs/chemical-contaminants/contamwgpfasfood.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 36th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

Held by WEB-conference, 22 February 2019

(Agreed on 11 March 2019)

#### Participants

- **Working Group Members:**

Ron Hoogenboom, Tanja Schwerdtle (chair), Martin Rose

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Marco Binaglia, Karen Mackay, Elena Rovesti

Evidence Management Unit: Davide Arcella, Francesca Riolo

- **Others:** Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### 2. Adoption of agenda

The agenda was adopted without changes.

#### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 35th Working Group meeting, held on 18-19 February 2019, were agreed.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The possible application of a mixture exposure assessment, for selected PFASs, was discussed.

Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

To be confirmed.

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 35th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 18-19 February 2019, Parma, Italy**

**(Agreed on 08 March 2018)**

#### Participants

- **Working Group Members:**

Lars Barregård, Laurent Bodin<sup>1</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>2</sup>, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Henk Van Loveren, Martin Rose, Alain-Claude Roudot, Tanja Schwerdtle (chair), Guenter Vollmer

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

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<sup>1</sup> Participated by tele/web conference.

<sup>2</sup> Participated on 19 February only.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 34th Working Group meeting, held on 16 January 2019, were agreed.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>5</sup>**

The working group discussed the feedback from the recent CONTAM Plenary, which took place in January.

In addition, the recent updates to the sections of the opinion on Additional Information, (including Chemistry, Production and Use, Environmental Fate and Legislation), Biomonitoring, Toxicokinetics, Human observations and Critical effects were reviewed.

The possible approach for the risk assessment with regards to human observational data and animal toxicity data were further discussed, as was the possible application of a mixture approach for the risk assessment.

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

22 February 2019

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 34th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 16 January 2019**

**(Agreed on 28 January 2019)**

#### **Participants**

- **Working Group Members:**

Line S Haug, Ron Hoogenboom, Niklas Johansson, Tanja Schwerdtle (chair), Martin Rose

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay, Elena Rovesti  
Evidence Management Unit: Francesca Riolo

- **Others:** Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 33rd Working Group meeting, held on 14 January 2019, were agreed.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The updated sections of the opinion on current occurrence in food and the dietary exposure assessment were reviewed and discussed by the sub-WG. In addition, the recent updates made to sections on Chemistry & Synthesis, Production & Use, Environmental fate and Previous risk assessments, were discussed.

Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

18-19 February 2019

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 33rd meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 14 January 2019**

**(Agreed on 28 January 2019)**

#### Participants

- **Working Group Members:**

Lars Barregård<sup>1</sup>, Laurent Bodin<sup>2</sup>, Jean Pierre Cravedi<sup>1</sup>, Bettina Grasl-Kraupp<sup>3</sup>, Thorhallur Ingi Halldorsson<sup>1</sup>, Line S. Haug<sup>1</sup>, Ron Hoogenboom<sup>4</sup>, Helle Knutsen<sup>2</sup>, Tanja Schwerdtle<sup>2</sup> (chair), Guenter Vollmer<sup>5</sup>.

- **Hearing Experts:**

Tony Fletcher<sup>6</sup>

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:** Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden, Alain-Claude Roudot and Henk Van Loveren.

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<sup>1</sup> Participated from 1300-1700h (CET)

<sup>2</sup> Participated from 1000-1700h (CET)

<sup>3</sup> Participated from 1000-1300h (CET)

<sup>4</sup> Participated from 1000-1300h & 1400-1700h (CET)

<sup>5</sup> Participated from 1000-1100h (CET)

<sup>6</sup> Participated from 1500-1600h (CET)

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>7</sup> and the Decision of the Executive Director on Competing Interest Management<sup>8</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 32<sup>nd</sup> held on 12 December 2018 were agreed.

## **5. Scientific topic(s) for discussion**

### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>9</sup>**

The sub-working group discussed the updates made to the sections of the opinion on Experimental Animal Toxicity, Biomonitoring and Human Observations. A discussion in relation to the overall approach for the risk assessment took place, including the possible application of a mixture approach.

Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

16 January 2019

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<sup>7</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>8</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>9</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 32nd meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 12 December 2018**

**(Agreed on 19 December 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Jean-Pierre Cravedi, Thorhallur Ingi Halldorsson, Line S. Haug, Ron Hoogenboom, Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Marco Binaglia, Karen Mackay

- **Others:** Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden, Alain-Claude Roudot and Helle Knutsen.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 31A held on 10 December 2018 were agreed.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The sub-working group discussed human epidemiological study data together with the updates made to the sections of the opinion on Biomonitoring and Human observations.

Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

14 January 2019

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 31A meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 10 December 2018**

**(Agreed on 19 December 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line S. Haug, Ron Hoogenboom, Niklas Johansson, Helle Knutsen, Martin Rose, Tanja Schwerdtle (chair), Henk Van Loveren,

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Marco Binaglia, Karen Mackay

- **Others:** Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden, Laurent Bodin, Alain-Claude Roudot and Guenter Vollmer.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**



In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 31st Sub-Working Group meeting held on 07 December 2018 were agreed.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

A short meeting was held to further discuss the strategy for this 2<sup>nd</sup> opinion with regards to PFOS and PFOA and the possible application of a mixture approach.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

12 December 2018

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 31st meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 07 December 2018**

**(Agreed on 19 December 2018)**

#### **Participants**

- **Working Group Members:**

Ron Hoogenboom, Niklas Johansson, Tanja Schwerdtle (chair), Martin Rose

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay,

Evidence Management Unit: Francesca Riolo, Davide Arcella

- **Others:** Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden and Line S. Haug.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>1</sup> and the Decision of the Executive Director on Competing Interest Management<sup>2</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 30th Working Group meeting held on 13 November 2018 were agreed.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

Updates to the sections on chemistry and environmental fate were reviewed. The occurrence in food data and approaches for the exposure assessment were further discussed.

Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

10 December 2018

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<sup>1</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 30th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 13 November 2018, Parma, Italy**

**(Agreed on 23 November 2018)**

#### **Participants**

- **Working Group Members:**

Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Tanja Schwerdtle (chair), Henk Van Loveren, Guenter Vollmer<sup>1</sup>

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Participated from 1500h by teleweb

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 29th Working Group meeting were agreed on 24 October 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>4</sup>**

The sub-WG discussed the updates to the sections of the opinion on toxicokinetics and toxicity in experimental animals.

Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

07 December 2018

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<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 29th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

Held by WEB-conference, 08 - 09 October 2018

(Agreed on 24 October 2018)

#### Participants

- **Working Group Members:**

Lars Barregård<sup>1</sup>, Laurent Bodin, Jean-Pierre Cravedi<sup>1</sup>, Bettina Grasl-Kraupp<sup>1</sup>, Thorhallur Ingi Halldorsson<sup>1</sup>, Line S. Haug, Ron Hoogenboom, Niklas Johansson<sup>2</sup>, Martin Rose<sup>2</sup>, Alain-Claude Roudot<sup>1</sup>, Tanja Schwerdtle (chair), Henk Van Loveren<sup>1</sup>, Guenter Vollmer<sup>1</sup>

- **Hearing Experts:**

Helle Knutsen<sup>1</sup>

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay, Marco Binalgia<sup>1</sup>  
Evidence Management Unit: Francesca Riolo<sup>2</sup>

- **Others:** Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### 2. Adoption of agenda

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<sup>1</sup> Participated on 08 Oct 2018 only

<sup>2</sup> Participated on 09 Oct 2018 only

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 28th Working Group meeting held on 05 September were agreed.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>5</sup>**

The comments received during the September CONTAM Plenary to the sections on chemistry, methods of analysis, production & use, environmental fate, toxicokinetics and toxicity in experimental animals were discussed. In addition, the recent updates to the section on repeated dose toxicity were reviewed.

Occurrence in food data and approaches for the exposure assessment were discussed.

Further tasks were allocated.

#### **5.2 Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-00526)<sup>6</sup>**

A discussion took place on points in relation to the divergence meeting. Helle Knutsen (CONTAM Panel Chair 2015-2018) joined as hearing expert.

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

13 November 2018



## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 28th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 05 September 2018**

**(Agreed on 05 September 2018)**

#### **Participants**

- **Working Group Members:**

Line S. Haug, Niklas Johansson, Martin Rose and Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Francesca Riolo, Davide Arcella

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 27th Working Group meeting were agreed on 04 September 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The sub-working group discussed the recent updates to the section on Environmental Fate. In addition, the current occurrence data were discussed.

Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

08 & 09 October 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 27th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 04 September 2018**

**(Agreed on 04 September 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line S. Haug, Ron Hoogenboom<sup>1</sup> and Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Participated from 1300-1500h

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 26th Working Group meeting were agreed on 03 September 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>4</sup>**

The sub-working group discussed human epidemiological studies. Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

05 September 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 26th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 03 September 2018**

**(Agreed on 03 September 2018)**

#### **Participants**

- **Working Group Members:**

Laurent Bodin<sup>1</sup>, Bettina Grasl-Kraupp<sup>2</sup>, Tanja Schwerdtle (chair), Henk Van Loveren and Guenter Vollmer

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Participated from 1030-1130h

<sup>2</sup> Participated from 0900-1130h

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 25th Working Group meeting were agreed on 20 July 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>5</sup>**

The sub-working group discussed the recent updates to the sections of the opinion on toxicity in experimental animals and mode of action.

Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

04 September 2018

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 25th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

Held by WEB-conference, 02 July 2018

(Agreed on 20 July 2018)

#### Participants

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>1</sup>, Thorhallur Ingi Halldorsson, Line S. Haug, Alain-Claude Roudot and Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### 2. Adoption of agenda

The agenda was adopted without changes.

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<sup>1</sup> Participated until 1230h

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 24th Working Group meeting were agreed on 01 July 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>4</sup>**

The sub-working group discussed the updates to the sections on toxicokinetics, human observations, mechanism of action, and benchmark dose modelling. Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

03-05 September 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 24th meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 26 June 2018**

**(Agreed on 01 July 2018)**

#### **Participants**

- **Working Group Members:**

Line S. Haug, Martin Rose and Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Francesca Riolo

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden and Niklas Johansson.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 23rd Working Group meeting were agreed on 30 May 2018.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The sub-working group discussed the occurrence data and possible approaches for the dietary exposure assessment. The recent updates to the sections of the opinion on food processing and non-dietary exposure were reviewed. Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

02 July 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 23rd meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

Held by WEB-conference, 23 May 2018

(Agreed on 30 May 2018)

#### Participants

- **Working Group Members:**

Lars Barregård<sup>1</sup>, Laurent Bodin<sup>1</sup>, Bettina Grasl-Kraupp<sup>1</sup>, Line S. Haug, Martin Rose<sup>2</sup>, Alain-Claude Roudot<sup>1</sup>, Tanja Schwerdtle (chair) and Guenter Vollmer<sup>3</sup>.

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Francesca Riolo<sup>2</sup> and Davide Arcella<sup>2</sup>

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden and Thorhallur Ingi Halldorsson.

#### 2. Adoption of agenda

<sup>1</sup> Participated from 0900-1215h

<sup>2</sup> Participated from 1215-1300h

<sup>3</sup> Participated from 0930-1215h

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>4</sup> and the Decision of the Executive Director on Declarations of Interest<sup>5</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 22nd Working Group meeting were agreed on 08 May 2018.

### **5. Scientific topic(s) for discussion**

#### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>6</sup>**

The working group discussed the recent updates to the sections of the opinion on toxicity, human observations and biomonitoring and reviewed the available occurrence data. Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

26 June 2018

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<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>5</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 22nd meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

Held on 23-24 April 2018, Parma, Italy

(Agreed on 08 May 2018)

#### Participants

- **Working Group Members<sup>1</sup>:**

Lars Barregård<sup>2</sup>, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson<sup>3</sup>, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Francesca Riolo<sup>4</sup>

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

<sup>1</sup> Sandra Ceccatelli resigned from the WG on 07 April 2018

<sup>2</sup> Participated on 23 April 2018

<sup>3</sup> Participated by tele/web 23 & 24 April 2018

<sup>4</sup> Participated on 24 April 2018 (AM)

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden, Guenter Vollmer and Alain-Claude Roudot.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>5</sup> and the Decision of the Executive Director on Declarations of Interest<sup>6</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 21-b were agreed on 03 April 2018.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>7</sup>**

The working group discussed the possible approaches for the risk assessment and the recent updates made to the sections of the opinion on hazard identification, environmental fate, previous risk assessments, occurrence/ exposure. In addition, the available occurrence data was discussed. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

22 & 23 May 2018

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<sup>5</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>6</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>7</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 21-bis meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 26 March 2018**

**(Agreed on 03 April 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Thorhallur Ingi Halldorsson, Line S. Haug, Alain-Claude Roudot, Tanja Schwerdtle (chair)

- **Hearing Experts:**

None

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 21<sup>st</sup> Working Group meeting were agreed on 26 March 2018.

#### **5. Scientific topic(s) for discussion**

##### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The WG discussed the recent requests to the authors of human studies and the responses/information received. Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

23-24 April 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>



## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 21st meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 09 March 2018**

**(Agreed on 26 March 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Line S. Haug, Alain-Claude Roudot, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Philippe Grandjean<sup>1</sup>, Esben Budtz-Jørgensen<sup>2</sup>

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Participated from 0915-1015h

<sup>2</sup> Participated from 0915-1015h

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Agreement of the minutes of the previous Working Group meeting

The minutes of the 20<sup>th</sup> Working Group meeting were agreed on 08 March 2018.

### 5. Scientific topic(s) for discussion

#### 5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>5</sup>

Philippe Grandjean and Esben Budtz-Jørgensen participated as hearing experts for a discussion on the Grandjean et al. (2012) paper "*Serum vaccine antibody concentrations in children exposed to perfluorinated compounds*".

The WG discussed the recent updates made to the biomonitoring section of the draft opinion.

#### 5.2 Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-000526)<sup>6</sup>

The WG finalised the discussions on the draft opinion and agreed to the final amendments to be done. The chair of the WG decided that after the amendments have been completed, the draft opinion will be presented at the next CONTAM Panel meeting, in March 2018, for discussion and possible adoption.

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencypolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-000526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

26 March 2018

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 20<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 15-16 February 2018, Parma, Italy**

**(Agreed on 08 March 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Sandra Ceccatelli<sup>1</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug<sup>2</sup>, Niklas Johansson, Henk Van Loveren, Alain-Claude Roudot<sup>3</sup>, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Davide Arcella<sup>4</sup>, Francesca Riolo<sup>5</sup>

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

<sup>1</sup> Participated by tele/web on 16 February 2018 (PM)

<sup>2</sup> Participated by tele/web on 15 & 16 February 2018

<sup>3</sup> Participated by tele/web on 15 & 16 February 2018

<sup>4</sup> Participated on 15 February 2018 (AM)

<sup>5</sup> Participated on 15 February 2018 (AM)

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>6</sup> and the Decision of the Executive Director on Declarations of Interest<sup>7</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 19th were agreed on 25 January 2018.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>8</sup>**

The working group discussed the sections related to occurrence, exposure, hazard identification and characterisation. Recent updates made to the additional information sections (i.e. chemistry, methods of analysis, production & use and environmental fate) were reviewed. The possible approaches for the risk assessment were further discussed and tasks allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

09 March 2018

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<sup>6</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>7</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>8</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 19<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 09-10 January 2018**

**(Agreed on 25 January 2018)**

#### **Participants**

- **Working Group Members:**

09 January 2018:

Line S. Haug, Niklas Johansson, Martin Rose and Tanja Schwerdtle (chair)

10 January 2018:

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line S. Haug, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair) and Günter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Sandra Ceccatelli and Veerle Vanheusden.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 18<sup>th</sup> Working Group meeting were agreed on 08 January 2018.

## **5. Scientific topic(s) for discussion**

### **5.1 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>3</sup>**

The WG discussed the updates made to the sections under additional information, biomonitoring, toxicokinetics and toxicity. The possible approaches for the risk assessment were discussed and further tasks allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

15-16 February 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 18<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 08 December 2017**

**(Agreed on 08 January 2018)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Line S. Haug, Thorhallur Ingi Halldorsson, Henk Van Loveren and Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**



In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 17<sup>th</sup> Working Group meeting were agreed on 07 December 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-00526)<sup>3</sup>**

The Working Group (WG) discussed the sections of the opinion on critical effects, PBPK modelling and uncertainty, and agreed on the final amendments to be done.

The chair of the WG decided that after the amendments have been completed, the draft opinion will be presented at the next CONTAM Panel meeting for discussion and possible adoption.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

09 January 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 17<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 29 November 2017**

**(Agreed on 07 December 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi<sup>1</sup>, Bettina Grasl-Kraupp, Line S. Haug, Thorhallur Ingi Halldorsson, Niklas Johansson, Henk Van Loveren, Martin Rose, Alain-Claude Roudot, Tanja Schwerdtle (chair) and Günter Vollmer<sup>2</sup>

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

- **None**

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from and Sandra Ceccatelli and Veerle Vanheusden.

#### **2. Adoption of agenda**

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<sup>1</sup> Participated from 1015-1315h

<sup>2</sup> Participated from 1300-1400h

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 16b were agreed on 09 November 2017.

### **5. Scientific topic(s) for discussion**

#### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-00526)<sup>5</sup>**

The Working Group discussed the comments following the discussion of the draft opinion at the November CONTAM Plenary. Further tasks were allocated.

#### **5.2 Draft opinion on perfluoroalkylated substances other than PFOS and PFOA in food (EFSA-Q-2017-00549)<sup>6</sup>**

The WG discussed possible approaches for the risk assessment and drafting tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

08 December 2017

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencpolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2017-00549>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 16b of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 09 November 2017**

**(Agreed on 09 November 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson, Niklas Johansson, Henk Van Loveren, Martin Rose Alain-Claude Roudot, Tanja Schwerdtle (chair) and Günter Vollmer

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Sandra Ceccatelli, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Line S. Haug and Veerle Vanheusden

#### **2. Adoption of agenda**

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the sub-Working Group meeting 16c were agreed on 09 November 2017.

### **5. Scientific topic(s) for discussion**

#### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The Working Group (WG) discussed the draft opinion on PFOS and PFOA in food, particularly the supporting information, hazard identification and characterisation, conclusions and recommendations. The WG finalised the discussions on the draft opinion and agreed to the final amendments to be done. The chair of the WG decided that after the amendments have been completed, the draft opinion will be presented at the next CONTAM Panel meeting for discussion and possible adoption.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

29 November 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the meeting 16c of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 08 November 2017**

**(Agreed on 08 November 2017)**

#### **Participants**

- **Working Group Members:**

Line S. Haug, Martin Rose and Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Marco Binaglia, Karen Mackay  
Evidence Management Unit: Davide Arcella

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 16th were agreed on 06 November 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The sub-Working Group discussed points related to the occurrence data and the exposure assessment.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

09 November 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencpolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 16<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 27 October 2017**

**(Agreed on 06 November 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>1</sup>, Line S. Haug, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair) and Günter Vollmer<sup>2</sup>

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from and Thorhallur Ingi Halldorsson, Martin Rose and Veerle Vanheusden.

#### **2. Adoption of agenda**

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<sup>1</sup> Participated from 1200-1300h

<sup>2</sup> Participated from 1200-1300h



The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 15b were agreed on 26 October 2017.

### **5. Scientific topic(s) for discussion**

#### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>5</sup>**

The Working Group reviewed the updated sections of the opinion on Toxicokinetics and Mode of action. The Critical effects and dose response modelling were also discussed. Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

09 November 2017

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 15b of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 20 October 2017**

**(Agreed on 26 October 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Thorhallur Ingi Halldorsson, Alain-Claude Roudot, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 15<sup>th</sup> Working Group meeting were agreed on 18 October 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The sub-Working Group discussed human studies and the modelling of data used in the dose response assessment.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

27 October 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 15<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 09 October 2017**

**(Agreed on 18 October 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Henk Van Loveren, Alain-Claude Roudot, Martin Rose, Tanja Schwerdtle (chair),

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from and Laurent Bodin, Sandra Ceccatelli, Jean-Pierre Cravedi, Petra Gergelova Niklas Johansson, Veerle Vanheusden and Guenter Vollmer.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 14<sup>th</sup> Working Group meeting were agreed on 22 September 2017.

### **5. Scientific topic(s) for discussion**

#### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The Working Group discussed the updated sections of the opinion, including the sections on Environmental fate, Previous risk assessments, Comparison of previous and current occurrence, Genotoxicity, Human observations, Critical effects and dose response with regards benchmark dose modelling. Further tasks were allocated.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

20 October 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencpolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 14<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 07 -08 September 2017, Parma, Italy**

**(Agreed on 22 September 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Sandra Ceccatelli<sup>1</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug<sup>2</sup>, Niklas Johansson, Henk Van Loveren, Alain-Claude Roudot, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Veerle Vanheusden and Petra Gergelova.

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<sup>1</sup> Participated by tele/web on 07 September 2017

<sup>2</sup> Participated by tele/web on 07 & 08 September 2017

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 13c were agreed on 14 August 2017.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>5</sup>**

The working group reviewed the sections of the opinion relating to hazard identification and characterisation, exposure and occurrence, as well as the sections covering additional information (i.e. chemistry, methods of analysis, production & use, synthesis and environmental fate). The updates to the section of the opinion describing the critical effects and the dose response assessment, together with benchmark dose and PBPK modelling were also discussed.

Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **7. Next meeting**

09 October 2017



## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 13c of the Working Group on perfluoroalkylated substances (PFAS) in food

Held by WEB-conference, 27 July 2017,

(Agreed on 14 August 2017)

#### Participants

- **Working Group Members:**

Lars Barregård, Thorhallur Ingi Halldorsson, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Philippe Grandjean

- **European Commission and/or Member States representatives:**

Frans Verstraete

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay, Marco Binaglia

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants.

#### 2. Adoption of agenda

The agenda was adopted without changes.

#### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 13th Working Group meeting were agreed on 22 June 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on Perfluorooctane sulfonate (PFOS) and Perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The approach for the risk assessment on PFOS and PFOA was presented and discussed.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

07-08 September 2017

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 13b of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 27 July 2017,**

**(Agreed on 14 August 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Line Småstuen Haug, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

Frans Verstraete.

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 13<sup>th</sup> Working Group meeting were agreed on 22 June 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on Perfluorooctane sulfonate (PFOS) and Perfluorooctanoic acid (PFOA) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The working group discussed the PBPK modelling and the Toxicokinetics section for PFOS and PFOA. Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

07-08 September 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 13<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 22 June 2017,**

**(Agreed on 22 June 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Frans Verstraete.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 12<sup>th</sup> Working Group meeting were agreed on 19 June 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The working group discussed the PBPK modelling and sections on toxicokinetics for PFOS and PFOA. Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

07-08 September 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 12<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 19 June 2017,**

**(Agreed on 19 June 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Frans Verstraete.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

#### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

#### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 11<sup>th</sup> Working Group meeting were agreed on 08 June 2017.

#### **5. Scientific topic(s) for discussion**

##### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The working group discussed the human observations including the critical endpoints and BMD modelling for PFOS and PFOA. Further tasks were allocated.

#### **6. Any Other Business**

Not Applicable

#### **7. Next meeting**

22 June 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>



## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 11<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 23-24 May 2017, Oslo (Norway)**

**(Agreed on 08 June 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp<sup>1</sup>, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Alain-Claude Roudot, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova<sup>2</sup>

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Frank Swartenbroux and Sandra Ceccatelli.

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<sup>1</sup> Participated by tele/web on 23 & 24 May 2017

<sup>2</sup> Participated by tele/web on 23 May 2017

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Working Group meeting 10b were agreed on 26 April 2017.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>5</sup>**

The working group discussed the following sections of the draft opinion: occurrence & exposure, chemistry, production & uses, environmental fate, toxicokinetics, PBPK modelling, mode of action, human observations and BMD modelling.

Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

19 June 2017

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 10b of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 18 April 2017**

**(Agreed on 26 April 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Thorhallur Ingi Halldorsson<sup>1</sup>, Line Småstuen Haug, Henk Van Loveren, Alain-Claude Roudot, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)<sup>2</sup>

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants. Apologies were received from Frank Swartenbroux (European Commission DG SANTE)

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<sup>1</sup> Participated from 1100-1300h

<sup>2</sup> Participated from 0900-1100h

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 10<sup>th</sup> Working Group meeting were agreed on 06 April 2017.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>5</sup>**

The Working Group discussed benchmark dose modelling and the recent updates to the human observations section. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

23-24 May 2017

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 10<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 27-28 March 2017, Brussels (Belgium)**

**(Agreed on 06 April 2017)**

#### **Participants**

- **Working Group Members:**

Lars Barregård<sup>1</sup>, Laurent Bodin, Sandra Ceccatelli<sup>2</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug<sup>3</sup>, Niklas Johansson, Henk Van Loveren, Alain-Claude Roudot, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Marco Zeilmaker<sup>4</sup> (RIVM)

Tony Fletcher<sup>5</sup> (Public Health England)

- **European Commission and/or Member States representatives:**

Frank Swartenbroux<sup>6</sup>

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova

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<sup>1</sup> Participated by tele/web from 0900h on 27 March, until 1515h on 28 March 2017

<sup>2</sup> Participated by tele/web from 1300-1600h on 28 March 2017

<sup>3</sup> Participated by tele/web from 0900h on 27 March, until 1130h on 28 March 2017

<sup>4</sup> Participated from 1330-1730 on 27 March 2017

<sup>5</sup> Participated by tele/web until from 1000-1200h on 28 March 2017

<sup>6</sup> Participated on 27 March 2017 (AM)

- **Others:**

Not Applicable

## **1. Welcome and apologies for absence**

The Chair welcomed the participants.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>7</sup> and the Decision of the Executive Director on Declarations of Interest<sup>8</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 9<sup>th</sup> Working Group meeting were agreed on 17 March 2017.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>9</sup>**

The working group discussed sections of the draft opinion, including occurrence & exposure, chemistry, production & uses, environmental fate, PBPK modelling, toxicokinetics, animal toxicity, human observations and BMD modelling. Further tasks were allocated.

Hearing experts, Marco Zeilmaker and Tony Fletcher were invited to present/discuss information on PBPK modelling and human observations, respectively, with regards to PFASs.

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<sup>7</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>8</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>9</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

18 April 2017

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 9<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 13-14 February 2017, Parma (Italy)**

**(Agreed on 17 March 2017)**

#### Participants

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug<sup>1</sup>, Niklas Johansson, Henk Van Loveren, Alain-Claude Roudot, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

Frank Swartenbroux<sup>2</sup>

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova<sup>3</sup>

Scientific Committee and Emerging Risks Unit: Jean-Lou Dorne

- **Others:**

Not Applicable

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<sup>1</sup> Participated by web conference

<sup>2</sup> Participated on 14 February 2016, from 0915-1000h

<sup>3</sup> Participated on 14 February 2016, from 0900-1100h



## **1. Welcome and apologies for absence**

The Chair welcomed the participants.  
Apologies were received from Sandra Ceccatelli.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>4</sup> and the Decision of the Executive Director on Declarations of Interest<sup>5</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Sub-Working Group meeting (8b) were agreed on 31 January 2017.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>6</sup>**

The working group discussed sections of the draft opinion, including chemistry, occurrence and exposure, toxicokinetics and PBPK modelling, toxicity, human observations and BMD modelling. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

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<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>5</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **7. Next meeting**

27-28 March 2017

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 8b of the Sub-Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 23 January 2017,**

**(Agreed on 31 January 2017)**

#### **Participants**

- **Sub-Working Group Members:**

Lars Barregård, Laurent Bodin, Jean-Pierre Cravedi, Line Småstuen Haug and Tanja Schwerdtle.

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Scientific Committee and Emerging Risks Unit: Jean-Lou Dorne

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Thorhallur Ingi Halldorsson, Alain-Claude Roudot and Frank Swartenbroux (European Commission DG SANTE).

#### **2. Adoption of agenda**

The agenda was adopted without changes.

### **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 8th Working Group meeting were agreed.

### **5. Scientific topic(s) for discussion**

#### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The Working Group experts discussed the possible approaches for PBPK modelling.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

13-14 February 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 8<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 09 & 10 January 2017,**

**(Agreed on 22 January 2017)**

#### Participants

- **Working Group Members:**

Lars Barregård, Laurent Bodin, Sandra Ceccatelli, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren<sup>1</sup>, Martin Rose, Tanja Schwerdtle (chair), Guenter Vollmer<sup>2</sup> (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova<sup>3</sup>

Scientific Committee and Emerging Risks Unit: Jean-Lou Dorne<sup>4</sup>

- **Others:**

Not Applicable

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<sup>1</sup> Participated on 09 January 2017 only

<sup>2</sup> Participated on 09 January 2017 only

<sup>3</sup> Participated on 10 January 2017 only

<sup>4</sup> Participated on 09 January 2017 only

## **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Alain-Claude Roudot and Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>5</sup> and the Decision of the Executive Director on Declarations of Interest<sup>6</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 7<sup>th</sup> Working Group meeting held on 30 November – 01 December 2016 were agreed.<sup>7</sup>

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>8</sup>**

The working group discussed the latest version of the draft opinion, including the sections on occurrence and exposure, biomonitoring, toxicokinetics, toxicity and human observations. Further tasks were allocated.

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<sup>5</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencypolicy.pdf>

<sup>6</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>7</sup> <https://www.efsa.europa.eu/sites/default/files/contamwqpfasfood.pdf>

<sup>8</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

23 January 2017

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 7<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 30 November - 01 December 2016, Gothenburg (Sweden)**

**(Agreed on 15 December 2016)**

#### Participants

- **Working Group Members:**

Lars Barregård, Sandra Ceccatelli<sup>1</sup>, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Alain-Claude Roudot<sup>2</sup>, Tanja Schwerdtle (chair), Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova<sup>3</sup>

- **Others:**

Not Applicable

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<sup>1</sup> Participated on 30 November 2016

<sup>2</sup> Participated on 30 November 2016 from 1500 - 1830h by web conference

<sup>3</sup> Participated on 01 December 2016 from 0915 - 1200h by web conference



## **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Jean-Pierre Cravedi and Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>4</sup> and the Decision of the Executive Director on Declarations of Interest<sup>5</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 6<sup>th</sup> Working Group meeting held on 19-20 October 2016 were agreed.<sup>6</sup>

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>7</sup>**

The working group discussed the latest version of the draft opinion, including the sections on chemistry, methods of analysis, food processing, occurrence and exposure, toxicity, biomonitoring and human observations. Further tasks were allocated.

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<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencypolicy.pdf>

<sup>5</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>6</sup> <https://www.efsa.europa.eu/sites/default/files/contamwqpfasfood.pdf>

<sup>7</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

09-10 January 2017

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 6<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 19-20 October 2016, Parma (Italy)**

**(Agreed on 20 October 2016)**

#### Participants

- **Working Group Members:**

Lars Barregård<sup>1</sup>, Sandra Ceccatelli<sup>2</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Guenter Vollmer (vice-chair)<sup>3</sup>

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay<sup>4</sup>

Evidence Management Unit: Petra Gergelova<sup>5</sup>

- **Others:**

Not Applicable

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<sup>1</sup> Delegated chair for 6<sup>th</sup> WG meeting, from 1200h on 19 October, to close of meeting on 20 October 2016

<sup>2</sup> Participated on 19 October 2016 from 0945 - 1230h, by web conference

<sup>3</sup> Participated on 19 October 2016 from 0930 - 1130h and on 20 October 2016 from 1315-1415h, by web conference

<sup>4</sup> Delegated chair for 6<sup>th</sup> WG meeting from 0900 - 1200h on 19 October 2016

<sup>5</sup> Participated on 19 October 2016 from 1615-1700h

## **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Tanja Schwerdtle (chair) and Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>6</sup> and the Decision of the Executive Director on Declarations of Interest<sup>7</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 5<sup>th</sup> Working Group meeting held on 05-06 September 2016 were agreed.<sup>8</sup>

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>9</sup>**

The working group discussed the latest version of the draft opinion, including the sections on chemistry, methods of analysis in food, food processing, occurrence data, toxicokinetics, toxicity, biomonitoring, human observations. Further tasks were allocated.

## **6. Any Other Business**

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<sup>6</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencpolicy.pdf>

<sup>7</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>8</sup> <https://www.efsa.europa.eu/sites/default/files/contamwqpfasfood.pdf>

<sup>9</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

Not Applicable

## **7. Next meeting**

30 November – 01 December 2016

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 5<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 05-06 September 2016, Parma (Italy)**

**(Agreed on 06 September 2016)**

#### Participants

- **Working Group Members:**

Lars Barregård, Sandra Ceccatelli<sup>1</sup>, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair) and Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

None

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova<sup>2</sup>

- **Others:**

Not Applicable

#### 1. Welcome and apologies for absence

The Chair welcomed the participants.

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<sup>1</sup> Participated on 06 September 2016, from 1045 - 1230h, by web conference

<sup>2</sup> Participated on 06 September 2016, from 0930 - 1000h

Apologies were received from Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 4<sup>th</sup> Working Group meeting held on 11-12 July 2016 were agreed.<sup>5</sup>

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>6</sup>**

The working group discussed the latest version of the draft opinion, in particular the sections on toxicokinetics, toxicity, biomonitoring, human observations and exposure. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

19-20 October 2016

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencpolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <https://www.efsa.europa.eu/sites/default/files/contamwqpfasfood.pdf>

<sup>6</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 4<sup>th</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 11-12 July 2016, Parma (Italy)**

**(Agreed on 12 July 2016)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren<sup>1</sup>, Martin Rose, Tanja Schwerdtle (chair) and Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Petra Gergelova (Evidence Management Unit) and Frank Swartenbroux (European Commission DG SANTE).

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<sup>1</sup> participated by webconference



## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the Sub-Working Group meeting (3b) were agreed on 22 June 2016.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>4</sup>**

The working group (WG) discussed the latest version of the draft opinion, including the sections on previous assessments, chemistry, environmental fate, methods of analysis, toxicokinetics, toxicology, biomonitoring and human observations. An update on the literature search was given. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

05-06 September 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of meeting 3b of the Sub-Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 22 June 2016,**

**(Agreed on 22 June 2016)**

#### **Participants**

- **Working Group Members<sup>1</sup>:**

Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Martin Rose and Tanja Schwerdtle.

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Frank Swartenbroux (European Commission DG SANTE).

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<sup>1</sup> Only Working Group members involved in exposure assessment were invited.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 3rd Working Group meeting were agreed by written procedure on 17 June 2016.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>4</sup>**

The Working Group experts discussed the occurrence data submitted by Member States and the approach for the exposure assessment.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

11 - 12 July 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 3rd meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 08 June 2016,**

**(Agreed on 17 June 2016)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair) and Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Petra Gergelova

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 2<sup>nd</sup> Working Group meeting were agreed by written procedure on 07 June 2016.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The working group (WG) discussed the latest contributions to the draft opinion, in particular the sections on 'Production, use and environmental fate', 'Chemistry', 'Immunotoxicity' and 'Genotoxicity'. New literature search terms were presented and discussed, additional terms were proposed. Further tasks were allocated.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

22 June 2016

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 2<sup>nd</sup> meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held on 28-29 April 2016, Parma (Italy)**

**(Agreed on 07 June 2016)**

#### **Participants**

- **Working Group Members:**

Lars Barregård, Jean-Pierre Cravedi, Bettina Grasl-Kraupp, Thorhallur Ingi Halldorsson, Line Småstuen Haug, Niklas Johansson, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair) and Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

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- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

Evidence Management Unit: Davide Arcella<sup>1</sup>

Food Ingredients and Packaging Unit: Eric Barthelemy<sup>2</sup>

- **Others:**

Not Applicable

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<sup>1</sup> Participated on 28 April 2106, from 1415-1515h

<sup>2</sup> Participated on 29 April 2106, from 0930-1030h

## **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Frank Swartenbroux (European Commission DG SANTE).

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest<sup>4</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

The minutes of the 1<sup>st</sup> Working Group meeting were agreed by written procedure on 29 March 2016.

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>5</sup>**

The working group (WG) discussed the latest version of the draft opinion, including the sections on chemistry, methods of analysis, toxicology, biomonitoring and human observations. The available occurrence data was also discussed. Further tasks were allocated.

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>5</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

08 June 2016



## Scientific Panel on Contaminants in the Food Chain

### Minutes of the 1st meeting of the Working Group on perfluoroalkylated substances (PFAS) in food

**Held by WEB-conference, 15 March 2016**

**(Agreed on 29 March 2016)**

#### **Participants**

- **Working Group Members:**

Lars Barregard, Jean-Pierre Cravedi, Thorhallur Ingi Halldorsson, Henk Van Loveren, Martin Rose, Tanja Schwerdtle (chair) and Guenter Vollmer (vice-chair)

- **Hearing Experts:**

Not Applicable

- **European Commission and/or Member States representatives:**

Frank Swartenbroux (DG SANTE)

- **EFSA:**

Biological hazards and contaminants Unit: Karen Mackay

- **Others:**

Not Applicable

#### **1. Welcome and apologies for absence**

The Chair welcomed the participants.

Apologies were received from Bettina Grasl-Kraupp.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest<sup>2</sup>, EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

## **4. Agreement of the minutes of the previous Working Group meeting**

Not applicable

## **5. Scientific topic(s) for discussion**

### **5.1. Draft opinion on perfluoroalkylated substances (PFAS) in food (EFSA-Q-2015-0000526)<sup>3</sup>**

The working group (WG) discussed the terms of reference, the structure of the draft opinion and the WG meeting plan. Based on areas of expertise, sections of the opinion were allocated to the WG members for drafting.

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

28-29 April 2016

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>3</sup> <http://registerofquestions.efsa.europa.eu/roqFrontend/questionLoader?question=EFSA-Q-2015-00526>