



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

MINUTES OF THE 5th MEETING OF THE WORKING GROUP ON THE ENVIRONMENTAL RISK ASSESSMENT (ERA) OF GENE DRIVE MODIFIED ORGANISMS (GENE DRIVE ERA)

TELE-conference, 17 June 2019

(Agreed on 17 June 2019)¹

Participants

- Working Group Members:
Andrea Crisanti, Fabien Nogué and Ernst Wimmer
- Hearing Experts²:
Not Applicable
- European Commission and/or Member States representatives:
Anastasia Pagida (DG SANTE)
- EFSA:
GMO Unit: Ana M Camargo, Yann Devos and Konstantinos Paraskevopoulos
- Others:
Not Applicable

¹ Minutes should be published within 15 working days of the final day of the relevant meeting.

² As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Ilaria Ciabatti.

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 Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 4th Working Group meeting held on 11 June 2019, TELE-conference

The minutes of the 4th Working Group meeting held on 11 June 2019 were agreed.⁵

5. Scientific topics for discussion

5.1. Assessment of EFSA GMO Panel (2012)⁶

EFSA staff/experts tested/discussed the suitability of several sections of the EFSA GMO Panel (2012) guidance for the molecular characterisation of gene drive modified insects.

6. Any Other Business

6.1. Not Applicable

7. Next meeting

25-26 June 2019 (Parma)

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

⁵ <http://www.efsa.europa.eu/sites/default/files/wgs/gmo/wg-gene-drive-era.pdf>

⁶ <https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2012.2501>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

MINUTES OF THE 4th MEETING OF THE WORKING GROUP ON THE ENVIRONMENTAL RISK ASSESSMENT (ERA) OF GENE DRIVE MODIFIED ORGANISMS (GENE DRIVE ERA)

TELE-conference, 11 June 2019

(Agreed on 11 June 2019)¹

Participants

- Working Group Members:
Michael Bonsall, Leslie G Firbank and John Mumford
- Hearing Experts²:
Not Applicable
- European Commission and/or Member States representatives:
Ilaria Ciabatti (DG SANTE)
- EFSA:
GMO Unit: Fernando Álvarez, Ana M Camargo and Yann Devos
- Others:
Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies for absence were received.

¹ Minutes should be published within 15 working days of the final day of the relevant meeting.

² As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



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 Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 3rd Working Group meeting held on 30 April 2019, TELE-conference

The minutes of the 3rd Working Group meeting held on 30 April 2019 were agreed.⁵

5. Scientific topics for discussion

5.1. Workshop

EFSA staff/experts discussed the main points raised at EFSA's stakeholder workshop "Problem formulation for the environmental risk assessment of gene drive modified insects"⁶, held on 15 May 2019.

5.2. Assessment of EFSA GMO Panel (2013)⁷

EFSA staff/experts tested/discussed the suitability of several sections of the EFSA GMO Panel (2013) guidance for the environmental risk assessment of gene drive modified insects.

5.3. Outline/structure of the mandated output

EFSA staff/experts discussed the potential outline and structure of the mandated output.

6. Any Other Business

6.1. Not Applicable

7. Next meeting

17 June 2009 (TELE-conference)

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

⁵ <http://www.efsa.europa.eu/sites/default/files/wgs/gmo/wg-gene-drive-era.pdf>

⁶ <https://www.efsa.europa.eu/en/events/event/190515>

⁷ <https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2013.3200>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

MINUTES OF THE 3rd MEETING OF THE WORKING GROUP ON THE ENVIRONMENTAL RISK ASSESSMENT (ERA) OF GENE DRIVE MODIFIED ORGANISMS (GENE DRIVE ERA)

**TELE-conference, 30 April 2019
(Agreed on 30 April 2019)¹**

Participants

- Working Group Members:
Andrea Crisanti, Leslie G Firbank (chair), John Mumford, Fabien Nogu e and Ernst A Wimmer
- Hearing Experts²:
Not Applicable
- European Commission and/or Member States representatives:
Ilaria Ciabatti (DG SANTE)
- EFSA:
GMO Unit: Ana M Camargo and Yann Devos
- Others:
Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Michael Bonsall.

2. Adoption of agenda

The agenda was adopted without changes.

¹ Minutes should be published within 15 working days of the final day of the relevant meeting.

² As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 2nd Working Group meeting held on 19 March 2019, TELE-conference

The minutes of the 2nd Working Group meeting held on 19 March 2019 were agreed.⁵

5. Scientific topics for discussion

5.1. Workshop

EFSA staff/experts discussed the preparation of EFSA's stakeholder workshop "Problem formulation for the environmental risk assessment of gene drive modified insects"⁶.

5.2. Assessment of EFSA GMO Panel (2013)⁷

EFSA staff/experts tested/discussed the suitability of several sections of the EFSA GMO Panel (2013) guidance for the environmental risk assessment of gene drive modified insects.

6. Any Other Business

6.1. Not Applicable

7. Next meeting

11 June 2019 (TELE-conference)

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

⁵ <http://www.efsa.europa.eu/sites/default/files/wgs/gmo/wg-gene-drive-era.pdf>

⁶ <https://www.efsa.europa.eu/en/events/event/190515>

⁷ <https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2013.3200>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

MINUTES OF THE 2nd MEETING OF THE WORKING GROUP ON THE ENVIRONMENTAL RISK ASSESSMENT (ERA) OF GENE DRIVE MODIFIED ORGANISMS (GENE DRIVE ERA)

TELE-conference, 19 March 2019

(Agreed on 19 March 2019)

Participants

- Working Group Members:
Michael Bonsall, Andrea Crisanti, Leslie G Firbank (chair), John Mumford, Fabien Nogué and Ernst A Wimmer
- Hearing Experts¹:
Not Applicable
- European Commission and/or Member States representatives:
Ilaria Ciabatti (DG SANTE)
- EFSA:
GMO Unit: Fernando Álvarez, Ana M Camargo, Yann Devos and Konstantinos Paraskevopoulos
- Others:
Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

¹ As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 1st Working Group meeting held on 7 February 2019, TELE-conference

The minutes of the 1st Working Group meeting held on 7 February 2019 were agreed.⁴

5. Scientific topics for discussion

5.1. Expertise needs

EFSA staff/experts discussed additional expertise needs for the working group.

5.2. Workshop

EFSA staff/experts discussed the briefing notes of EFSA's stakeholder/EU Member state workshop "Problem formulation for the environmental risk assessment of gene drive modified insects"⁵.

5.3. EFSA GMO Panel (2013) for GM insects⁶

EFSA staff/experts tested/discussed the conceptual structure of the EFSA GMO Panel (2013) guidance for the environmental risk assessment of GM insects.

5.4. Outline/structure of the mandated output

EFSA staff/experts discussed the potential outline and structure of the mandated output.

6. Any Other Business

6.1. Not Applicable

7. Next meeting

30 April 2019 (TELE-conference)

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

⁴ <http://www.efsa.europa.eu/sites/default/files/wgs/gmo/wg-gene-drive-era.pdf>

⁵ <https://www.efsa.europa.eu/en/events/event/190515>

⁶ <https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2013.3200>

Scientific Panel on Genetically Modified Organisms

Minutes of the 1st meeting of the Working Group on the environmental risk assessment (ERA) of gene drive modified organisms (Gene Drive ERA)

**Held on 7 February 2019 – TELE/WEB
(Agreed on 7 February 2019)**

Participants

- **Working Group Members:**

- Michael Bonsall, Andrea Crisanti, Leslie G Firbank, John Mumford, Fabien Nogué and Ernst A Wimmer

- **Hearing Experts¹:**

- None

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

- None

- **EFSA:**

- GMO Unit: Fernando Álvarez, Ana M Camargo, Yann Devos and Konstantinos Paraskevopoulos

- **Others:**

- None

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies for absence were received from Ilaria Ciabatti (DG SANTE).

¹ As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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. Scientific topics for discussion

4.1. Introduction to the mandate

EFSA staff introduced European Commission's mandate⁴ and its scope, as well as the associated timeline and expected deliverables. The way forward to address the mandate was discussed.

4.2. Expertise needs

EFSA staff/experts discussed additional expertise needs for the working group.

4.3. Workshop

EFSA staff/experts discussed the outline of the 1-day stakeholder workshop "problem formulation for the environmental risk assessment of gene drive modified insects"⁵.

5. Next meeting

To be determined.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

⁴ <http://registerofquestions.efsa.europa.eu/roqFrontend/ListOfQuestionsNoLogin?0&panel=ALL>

⁵ <https://www.efsa.europa.eu/en/events/event/190515>