

SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

14th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



18-19 April 2024
14:00-18:00 and 09:00-13:00
MINUTES – Agreed on 19 April 2024

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia,

Hearing experts: Jose Sanchez Serrano, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Sara Jacchia, Dafni Maria Kagkli, Estefanía Noriega Fernández, Nikoletta Papadopoulou

FEEDCO Unit: Elisa Pettenati

FIP Unit: Jaime Aguilera Entrena

I. Welcome and apologies for absence

The Chair welcomed the participants.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), 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 the meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 13th Working Group meeting held on 27th March 2024, online.

The [minutes](#) of the 13th [Working Group](#) meeting held on 27th March 2024 were agreed on the 27th March 2024³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed the text of the draft scientific opinion following the closure of the [public consultation](#). The WG discussed received comments and updated the opinion, where relevant.

VI. Next meeting

The 15th WG meeting will be held on 03rd June 2024 remotely.

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

13th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



27 March 2024

09:00-17:00

MINUTES – Agreed on 27 March 2024

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli

Hearing expert: Jose Sanchez Serrano

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli

FIP Unit: Jaime Aguilera Entrena

I. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received by Lorena Ruiz Garcia.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), 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 the meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 12th Working Group meeting held on 1st February 2024, online.

The [minutes](#) of the 12th [Working Group](#) meeting held on 1st February 2024 were agreed on the 1st February 2024³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed the text of the draft scientific opinion that is under [public consultation](#). The WG discussed received comments.

VI. Next meeting

The 14th WG meeting will be held on 18-19th April 2024 in a hybrid mode.

The following dates and (CET) times were identified for the meetings of 2024:

- 15th WG (TC) 03 June

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

12th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



01 February 2024

10:00-18:00

MINUTES – Agreed on 01 February 2024

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia, Kevin Verstrepen

Hearing expert: Jose Sanchez Serrano

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans, Estefanía Noriega Fernández

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), 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 the meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 11th Working Group meeting held on 12th December 2023, online.

The [minutes](#) of the 11th [Working Group](#) meeting held on 12th December 2023 were agreed on the 12th of December 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG finalised the text of the draft scientific opinion. The scientific opinion will be brought to the EFSA GMO Panel for endorsement before the public consultation.

VI. Next meeting

The 13th WG meeting will be held on 4th March 2024 remotely.

The following dates and (CET) times were identified for the meetings of 2024:

- 14th WG (hybrid) 18-19 April
- 15th WG (TC) 03 June

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

11th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



12 December 2023

10:00-17:00

MINUTES – Agreed on 12 December 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans, Estefanía Noriega Fernández, Antonio

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received by Hanspeter Naegeli for the morning session.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. Certain interests were declared orally by the members before the beginning of the meeting. For further details on the outcome of the screening of the Oral Declaration of Interest made at the beginning of the meeting, please refer to the Annex.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 10th Working Group meeting held on 11th November 2023, online.

The [minutes](#) of the 10th [Working Group](#) meeting held on 8th November 2023 were agreed on the 8th of November 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 12th WG meeting will be held on 1th February 2024 remotely.

The following dates and (CET) times were identified for the meetings of 2024:

- 13th WG (TC) 04 March
- 14th WG (hybrid) 18-19 April
- 15th WG (TC) 03 June

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>
<https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



Annex

Interests and actions resulting from the Oral Declaration of Interest done at the beginning of the meeting

With regard to this meeting, Dr. Debora Glandorf declared the following interest: "Working Group Microbiële Gewasbeschermingsmiddelen", which provides input to the Dutch Ministry of Agriculture regarding scientific aspects of the new data requirements for microbial protection products. The role of Debora Glandorf in this Working group consists of providing input on the methodology and data requirements for the environmental risk assessment of GMOs, such as the use of problem formulation approach in the environmental risk assessment. In accordance with EFSA's Policy on Independence and the Decision of the Executive Director on Competing Interest Management, and taking into account the specific matters discussed at the meeting in question, the interest above was not deemed to represent a Conflict of Interest for the Expert concerned.



SCIENTIFIC PANEL ON
GENETICALLY MODIFIED ORGANISMS
10th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



08 November 2023

10:00-17:00

MINUTES – Agreed on 08 November 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans, Estefanía Noriega Fernández

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), 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.

IV. Agreement of the minutes of the 9th Working Group meeting held on 4th October 2023, online.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



The [minutes](#) of the 9th [Working Group](#) meeting held on 4th October 2023 were agreed on the 4th of October 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed and amended the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 11th WG meeting will be held on 12th of December 2023 remotely.

The following dates and (CET) times were identified for the meetings of 2024:

- 12th WG (TC) 01 February
- 13th WG (TC) 04 March
- 14th WG (hybrid) 18-19 April
- 15th WG (TC) 03 June

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>
<https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



**SCIENTIFIC PANEL ON
GENETICALLY MODIFIED ORGANISMS**
9th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



04 October 2023

10:00-17:00

MINUTES – Agreed on 04 October 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Antonio Fernandez Dumont, Andrea Gennaro, Dafni Maria Kagkli

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence¹](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf) and the [Decision of the Executive Director on Competing Interest Management²](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf), 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.

IV. Agreement of the minutes of the 9th Working Group meeting held on 4th October 2023, online.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



The [minutes](#) of the 9th [Working Group](#) meeting held on 4th October 2023 were agreed on the 4th of October 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed and amended the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 10th WG meeting will be held on 8th of November 2023 remotely.

The following dates and (CET) times were identified for the meetings of 2023 and 2024:

- 11th WG (TC) 12 December 2023
- 12th WG (TC) 01 February 2024
- 13th WG (TC) 04 March 2024
- 14th WG (hybrid) 18-19 April 2024
- 15th WG (TC) 03 June 2024

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>
<https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



**SCIENTIFIC PANEL ON
GENETICALLY MODIFIED ORGANISMS**
8th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



07-08 September 2023
13:00-17:00 and 9:00-13:30
MINUTES – Agreed on 08 September 2023

Location: Online and in Parma

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli (online), Lorena Ruiz Garcia (online), Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Antonio Fernandez Dumont, Estefania Noriega Fernandez, Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received by Lorena Ruiz Garcia for the 8th of September

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², 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.

¹ 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/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 8th Working Group meeting held on 7-8th September 2023, online and in Parma.

The [minutes](#) of the 8th [Working Group](#) meeting held on 7-8th September 2023 were agreed on the 8th of September 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed and amended the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 9th WG meeting will be held on 4th of October 2023 remotely.

The following dates and (CET) times were identified for the meetings of 2023 and 2024:

- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) 12 December 2023
- 12th WG (TC) 01 February 2024
- 13th WG (TC) 04 March 2024
- 14th WG (hybrid) 18-19 April 2024
- 15th WG (TC) 03 June 2024

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>

03 July 2023
10:00-17:00
MINUTES – Agreed on 03 July 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Antonio Fernandez Dumont, Andrea Gennaro, Dafni Maria Kagkli, Nikoletta Papadopoulou

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants.
Apologies were received by Lorena Ruiz Garcia

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², 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.

IV. Agreement of the minutes of the 7th Working Group meeting held on 3rd July 2023, via web conference.

¹ 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/competing_interest_management_17.pdf



The [minutes](#) of the 7th [Working Group](#) meeting held on 3rd July 2023 were agreed on the 3rd of July 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The WG discussed and amended the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 8th WG meeting will be held on 7-8th of September 2023 in a hybrid mode (Parma and remotely).

The following dates and (CET) times were identified for the meetings of 2023:

- 9th WG (TC) 4 October: 10:00-17:00
- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>

SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

6th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



30-31 May 2023
13:00-17:00 and 09:00-14:00
MINUTES – Agreed on 31 May 2023

Location: Online and in Parma

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia (online), Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Estefania Noriega Fernandez, Reinhilde Schoonjans

FIP Unit: Jaime Aguilera Entrena

FEEDCO Unit: Elisa Pettenati

FDP Unit: Claudia Parisi

I. Welcome and apologies for absence

The Chair welcomed the participants.
No apologies were received

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², 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.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf
² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 6th Working Group meeting held on 30-31th May 2023, via web conference and on site.

The [minutes](#) of the 6th [Working Group](#) meeting held on 30-31st May 2023 were agreed on the 31st of May 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The experts discussed the findings of the horizon scanning and the call for data launched by EFSA. The WG discussed and amended the identified case studies and worked on the text of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 7th WG meeting will be held on 3rd of July 2023 remotely.

The following dates and (CET) times were identified for the meetings of 2023:

- 7th WG (TC) 3 July: 10:00-17:00
- 8th WG (physical PARMA) 7 September: 13:00-17:00 and 8 September: 09:00-14:00
- 9th WG (TC) 4 October: 10:00-17:00
- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>

SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

5th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



24 April 2023

10:00-17:00

MINUTES – Agreed on 24 April 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia, Kevin Verstrepen

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Estefania Noriega Fernandez, Reinhilde Schoonjans

FIP Unit: Jaime Entrena Aguilera

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants.
No apologies were received

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², 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.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 5th Working Group meeting held on 24th April 2023, via web conference.

The [minutes](#) of the 5th [Working Group](#) meeting held on 24th April 2023 were agreed on the 24th of April 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The Working group adopted the developed protocol through written procedure on the 12/04/2023. The WG discussed identified case studies and worked on the outline of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 6th WG meeting will be held on 30th and 31st of May 2023 in Parma.

The following dates and (CET) times were identified for the meetings of 2023:

- 6th WG (physical PARMA) 30 May: 13:00-17:00 and 31 May: 09:00-14:00
- 7th WG (TC) 3 July: 10:00-17:00
- 8th WG (physical PARMA) 7 September: 13:00-17:00 and 8 September: 09:00-14:00
- 9th WG (TC) 4 October: 10:00-17:00
- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



SCIENTIFIC PANEL ON
GENETICALLY MODIFIED ORGANISMS
4th Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



27 March 2023
10:00-17:00
MINUTES – Agreed on 27 March 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Kevin Verstrepen, Hanspeter Naegeli

o European Commission representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli

FDP Unit: Claudia Parisi

FIP Unit: Jaime Entrena Aguilera

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Lorena Ruiz Garcia, Reinhilde Schoonjans

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², 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.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



IV. Agreement of the minutes of the 4th Working Group meeting held on 27th March 2023, via web conference.

The [minutes](#) of the 4th [Working Group](#) meeting held on 27th March 2023 were agreed on the 27th of March 2023³.

V. Scientific topics for discussion

a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴

The Working group discussed and adopted the protocol developed to address the terms of reference of the mandate. The Working group discussed the outline of the draft scientific opinion. Tasks were distributed to all members of the Working Group. Further discussion is needed in the next meetings.

VI. Next meeting

The 5th WG meeting will be held on 24th April 2023 via web conference.

The following dates and (CET) times were identified for the meetings of 2023:

- 5th WG (TC) 24 April: 10:00-17:00
- 6th WG (physical PARMA) 30 May: 13:00-17:00 and 31 May: 09:00-14:00
- 7th WG (TC) 3 July: 10:00-17:00
- 8th WG (physical PARMA) 7 September: 13:00-17:00 and 8 September: 09:00-14:00
- 9th WG (TC) 4 October: 10:00-17:00
- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>



**SCIENTIFIC PANEL ON
GENETICALLY MODIFIED ORGANISMS**
3rd Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



27 February 2023

10:00-17:00

MINUTES – Agreed on 27 February 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Rodrigo Jimenez Saiz, Hanspeter Naegeli, Lorena Ruiz Garcia

o Hearing expert:

Kevin Verstrepen

o European Commission and/or Member States representatives:

DG SANTE: Kathleen Lehmann

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans

FDP Unit: Claudia Parisi

FIP Unit: Jaime Entrena Aguilera

FEEDCO Unit: Elisa Pettenati

I. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Xavier Zaoui.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with [EFSA's Policy on Independence](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)¹ and the [Decision of the Executive Director on Competing Interest Management](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)², EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



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.

IV. Agreement of the minutes of the 3rd Working Group meeting held on 27th February 2023, via web conference.

The [minutes](#) of the 3rd [Working Group](#) meeting held on 27th February 2023 were agreed on the 27th of February 2023³.

V. Scientific topics for discussion

- a. Mandate M-2022-00146 with [EFSA-Q-2022-00508](#)⁴
The Working group discussed the structure of the protocol development and the outline of the opinion. Tasks were distributed and further discussion is needed in the next meetings.
- b. Horizon scanning updates
The Working Group discussed the updates provided in the interim report of the contractor.

VI. Next meeting

The 4th WG meeting will be held on 27 March 2023 via web conference.

The following dates and (CET) times were identified for the meetings of 2023:

- 4th WG (TC) 27 March: 10:00-17:00
- 5th WG (TC) 24 April: 10:00-17:00
- 6th WG (physical PARMA) 30 May: 14:00-17:00 and 31 May: 09:00-15:00
- 7th WG (TC) 3 July: 10:00-17:00
- 8th WG (physical PARMA) 7 September: 14:00-17:00 and 8 September: 09:00-15:00
- 9th WG (TC) 4 October: 10:00-17:00
- 10th WG (TC) 8 November: 10:00-17:00
- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>

SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

2nd Working Group on New Biotechnology Applied to
Microorganisms (GMM-NGT)



20 January 2023 and 31 January
10:00-13:00 (1st day) and 14:00-17:00 (2nd Day)
MINUTES – Agreed on 31 January 2023

Location: Online

Attendees:

o Working Group Members:

Pier Sandro Cocconcelli, Tamas Dalmay, Debora Glandorf, Lieve Herman, Hanspeter Naegeli, Lorena Ruiz García, Rodrigo Jimenez Saiz

o Hearing expert:

Kevin Verstrepen

o European Commission and/or Member States representatives:

DG SANTE: Kathleen Lehmann

DG JRC: Xavier Zaoui

o EFSA:

NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans

FDP Unit: Claudia Parisi

FIP Unit: Jaime Entrena Aguilera

I. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Lieve Herman (for the 20th of January) and Alexandre Huchelmann (both for 20th and 31st of Jan).

Apologies were received from Reinhilde Schoonjans and Hanspeter Naegeli (for the 31st of January).

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf



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.

IV. Agreement of the minutes of the 2nd Working Group meeting held on 20th and 31st of January 2023, Tele/WEB.

The minutes of the 2nd Working Group meeting held on 20th and 31st of January 2023 were agreed on the 31rd of January 2023.³

V. Scientific topics for discussion

- a. M-2022-00146 with EFSA-Q-2022-00508⁴
The Working group discussed the mandate and the outline of the opinion. Tasks were distributed for most of the sections and for further discussions in the next meetings.

VI. Any other business

- a. Horizon scanning updates

VII. Next meeting

The 3rd WG meeting will be held on 27 February 2023 via web conference.

The following dates and (CET times) were identified for the meetings of 2023:

-3rd WG (TC) February 27: 10.00 am-17.00 pm

-4th WG (TC) March 27: 10.00 am-17.00 pm

-5th WG (TC) April 24: 10.00 am-17.00 pm

-6th WG (physical PARMA) May 30: from 14.00 pm-17.00 pm + May 31 from 09.00 am-15.00 pm

-7th WG (TC) July 3: 10.00 am-17.00 pm

-8th WG (physical PARMA) September 7 from 14.00pm-17.00pm + September 8 from 09.00 am-15.00 pm

- 9th WG (TC) October 4: 10.00 am-17.00 pm

-10th WG (TC) November 8: 10.00 am-17.00 pm

- 11th WG (TC) December (tbc)

³ <http://www.efsa.europa.eu/en/gmo/working-groups> and <https://www.efsa.europa.eu/sites/default/files/2023-01/gmm-ngt-minutes.pdf>

⁴ <https://open.efsa.europa.eu/questions/EFSA-Q-2022-00508>

SCIENTIFIC PANEL ON GENETICALLY MODIFIED ORGANISMS

MINUTES OF 1st WORKING GROUP ON NEW BIOTECHNOLOGY APPLIED TO MICROORGANISMS (GMM-NGT)

Held on 16 December 2022, TELE/WEB
(Agreed on 3 January 2022)

Participants

Working Group Members:

- Pier Sandro Cocconcelli (PSC), Tamas Dalmay (TD), Debora Glandorf, Lieve Herman, Hanspeter Naegeli, Lorena Ruiz Garcia, Rodrigo Jimenez Saiz

Hearing Experts¹:

- None

European Commission and/or Member States representatives:

- EC: Alexandre Huchelmann, Kathleen Lehmann

EFSA:

- NIF Unit: Andrea Gennaro, Dafni Maria Kagkli, Reinhilde Schoonjans (RS)
- FDP Unit: Claudia Parisi (CP)
- FIP Unit: Jaime Entrena Aguilera

Others:

- none

1. Welcome and apologies for absence

The Chair (TD) welcomed the participants.

2. Adoption of agenda

The agenda was adopted without changes.

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:
<https://www.efsa.europa.eu/en/corporate/pub/expertselection>



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.

4. WG composition and set-up and Tour the Table

The Chair of the meeting invited all participants to present themselves focusing on the relevance of their expertise to the scope of the GMM-NGT mandate.

5. Mandate scope clarifications and timeline

RS presented the mandate received by DG SANTE, illustrated its content, clarified its scope and foreseen activities which underlined the need to have all activities finalized by the 30 June 2024.

6. Synthetic biology GMM base line knowledge from previous EFSA opinions

PSC presented the main conclusions and rationale of the adopted EFSA opinion on "Evaluation of existing guidelines for their adequacy for the food and feed risk assessment of microorganisms obtained through synthetic biology" and "Evaluation of existing guidelines for their adequacy for the molecular characterisation and environmental risk assessment of genetically modified plants obtained through synthetic biology". The experts were requested to reflect on the rationale, discussed the conclusions and recommendations of the Opinion and provided suggestions on the drafting of the of the current mandate Opinion.

7. Horizon scanning updates

CP gave an overview of the first draft of the protocol being developed for the literature search, which is assigned to an external contractor. Experts went through it and provided suggestions for improvements.

8. Opinion outline

RS presented the Terms of Reference of the Mandate and made reflections on RA strategies that can be used to structure the current opinion.

9. AOB

A Teams collaborative workspace was created and is supported by EFSA staff (RAL)

The following dates and (CET times) were identified for the meetings of 2023:

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

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



- 2nd WG (TC): January 20: 10.00 am-13.00 pm +January 31: 14.00 pm-17.00pm
- 3rd WG (TC) February 27: 10.00 am-17.00 pm
- 4th WG (TC) March 27: 10.00 am-17.00 pm
- 5th WG (TC) April 24: 10.00 am-17.00 pm
- 6th WG (physical PARMA) May 30: from 14.00 pm-17.00 pm + May 31 from 09.00 am-15.00 pm
- 7th WG (TC) July 3: 10.00 am-17.00 pm
- 8th WG (physical PARMA) September 7 from 14.00pm-17.00pm + September 8 from 09.00 am-15.00 pm
- 9th WG (TC) October 4: 10.00 am-17.00 pm
- 10th WG (TC) November 8: 10.00 am-17.00 pm
- 11th WG (TC) December (tbc)