



Network on Nanotechnologies in food and feed Minutes of the 12th meeting

Held on 24-25 October 2022, web-conference

(Agreed on 17 November 2022)

Participants

- Network Representatives of Member States (including EFTA Countries):**

**Countries represented by a member of the ccWG Nano*

Country	Name
AUSTRIA	Veronika Plichta
BELGIUM*	Jan Mast
BELGIUM	Eveline Versleyesen (Alternate)
BULGARIA	Aksinia Antonova (Alternate)
CROATIA	Ivana Vinković Vrček
CYPRUS	Demetris Kafouris (Alternate)
CZECH REPUBLIC	<i>Apologies</i>
DENMARK	Katrin Loeschner
ESTONIA	Kaja Kasemets
FINLAND	Pertti Koivisto
FRANCE	Bruno Teste
FRANCE	Fernando Aguilar
GERMANY	Albert Braeuning (ad-hoc replacement)
GREECE	Aristotelis Xenakis
GREECE	Nikolaos Katerelos
HUNGARY	Zsafia Keresztes
IRELAND	Patrick O'Mahony
IRELAND	Cristina Arroyo-Casabona (Alternate)
ITALY*	Francesco Cubadda
LITHUANIA	Simona Pilevičienė
LITHUANIA	Žygimantas Janeliūnas (Alternate)
LUXEMBOURG	Micheline Rosch
NETHERLANDS*	Jacqueline Castenmiller
NETHERLANDS	Agnes Oomen (Alternate)
NORWAY	Gro H. Mathisen
NORWAY	Nana Yaa Boahene
POLAND	<i>Apologies</i>

PORTUGAL	Maria de Lourdes Bastos
PORTUGAL	Helena Carmo (Alternate)
ROMANIA	Georgeta Popovici
SLOVAKIA	Peter Simon
SLOVAKIA	Jana Tulinska (Alternate)
SLOVENIA	Viviana Golja
SPAIN	Angeles Jos (Alternate)
SWEDEN	Sara Gunnare

- **Members of the Cross-cutting WG on Nanotechnologies (ccWG Nano)**

Mohammad Chaudhry, Jacqueline Castenmiller (also Network member, The Netherlands), Francesco Cubadda (also Network member, Italy), Jan Mast (also Network member, Belgium), Alicja Mortensen, Agnes Oomen (also Network member, The Netherlands)

- **European Commission & EU Agencies:**

Panagiotis Daskaleros (DG SANTE); Kirsten Rasmussen, Juan Riego Sintes and Josefa Barrero and Susanne Bremer-Hoffmann (DG JRC); Andrej Kobe (DG ENV); Laurence Deydier, Frank Le Curieux (ECHA)

- **Observers:**

Mar Gonzalez (OECD); Anil Patri (FDA)

- **EFSA:**

MESE Unit: Djien Liem (Chair), Maria Chiara Astuto, Irene Cattaneo, Sara Levorato
 FEEDCO: Orsolya Holczknecht
 IDATA Unit: Edoardo Carnesecchi (for agenda point 15.1)
 FIP Unit: Ana Rincon, Eric Barthelemy
 NIF Unit: Reinhard Ackerl, Paolo Angelo Colombo
 RAL Unit: Ana Lambergar

24/10/2022

1. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Czech Republic, Poland, Roland Franz, David Gott, Hubert Rauscher and Stefan Weigel (ccWG Nano members).

2. Adoption of agenda

The agenda was adopted without changes.

3. Minutes of the 11th meeting of the Nano Network and Report of EFSA Networks for 2021

The minutes of the 11th meeting of the Nano Network held on 29 October, web-conference, were agreed by written procedure on 24 November 2021 and published on the EFSA website on 24 November 2021¹.

The Report of activities of EFSA Networks for the year 2021 is available for future reference on the EFSA website².

4. Declaration of interest (DOI) and Confidentiality

In line with Article 12 of the EFSA Management Board Decision the Nano Network members, alternates and observers were requested to submit their Declaration of Interest (DOI), confidentiality agreement, and commitment, via the EU Survey tool.

5. Terms of Reference (ToR) of the Nano Network: specific objectives and deliverables

The Chair, Djien Liem, presented to the Network members the Terms of Reference of the EFSA Scientific Network for Risk Assessment of the use of Nanotechnologies in Food and Feed (Nano Network) renewed in 2021³. The main objectives of the Nano Network are to facilitate harmonisation of methodologies by sharing guidance, best practices and experience, promoting information exchange between EFSA and EU Member States. Furthermore, the Network ensures international coordination, mutual cooperation, surveillance on national applications, and flags priority research needs. EFSA may entrust certain tasks to the Network, such as collection of data and identification of emerging risks, as well as organisation of national conferences/trainings/workshops on the EFSA relevant guidance documents with interested and relevant stakeholders. The Terms of Reference for the Nano Network were recently approved by the EFSA Advisory Forum and are confirmed until 2024.

6. Draft Annex on 'Degradation/dissolution rate under acidic conditions', produced to update the Guidance on Particle – Technical Requirements (2021)

Maria Chiara Astuto (EFSA) presented the draft Annex on 'Degradation/dissolution rate under acidic conditions' produced by the cross-cutting WG on Nanotechnologies (ccWG Nano) to update the recently published Guidance on technical requirements for regulated food and feed product applications to establish the presence of small particles including nanoparticles (2021) (Guidance on Particle – Technical Requirements)⁴. The aim of this new Annex is to provide

¹ <https://www.efsa.europa.eu/sites/default/files/2021-11/11th-scientific-network-risk-assessment-nanotechnologies-food-and-feed-minutes.pdf>

² [Report of activities of EFSA Networks for the year 2021](#)

³ <https://www.efsa.europa.eu/sites/default/files/Nanonetwork.pdf>

⁴ EFSA Scientific Committee, 2021. Guidance on technical requirements for regulated food and feed product applications to establish the presence of small particles including nanoparticles. EFSA Journal 2021;19(8):6769, 48 pp. <https://doi.org/10.2903/j.efsa.2021.6769>

more detailed recommendations on the design of the studies to determine the dissolution rate for substances that only dissolve under acidic pH and on the thresholds applicable to infants and children. At the April Scientific Committee (SC) plenary meeting, a draft version of this new Annex was endorsed for a first round of internal consultation with relevant EFSA Panels and Units. Based on the comments received, an updated version of the draft Annex was presented for discussion and possible endorsement by the SC in July 2022 for an external consultation with the Nano Network. During the present meeting, the comments received from the Nano Network were discussed. The intention is to present a final draft of this Annex for possible adoption at the next SC Plenary Meeting, which is scheduled for 16-17 November 2022.

7. Examples of implementation of the Nano Guidances, experience gained, and lesson learnt

7.1. Examples of implementation to Feed Additives

Orsolya Holczknecht (EFSA) presented the experience gained and the lesson learnt during the implementation of the EFSA Nano Guidances^{5,5} to examples of feed additives (e.g., technological feed additives (clay minerals), nutritional additives (trace elements), and coccidiostats). The assessment of feed additives is covered both by sectoral guidance documents issued by the EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP) and by guidance documents of cross-cutting nature, as the Nano Guidances. Currently, the EFSA Feed and Contaminants (FEEDCO) Unit, supported by the ccWG Nano, is working to ensure smooth implementation of the Nano Guidances and consistency with the sectoral Guidance on characterisation of feed additives (EFSA FEEDAP Panel, 2021⁶). The implementation strategy includes to i) update the FEEDAP Guidance on characterisation of feed additives, as agreed in May 2022 during the 161st EFSA FEEDAP Panel Plenary⁷, ii) instruct applicants on the correct implementation of the Nano Guidances, and iii) consult the ccWG Nano to seek support in the assessment of submitted data and bring to light specificities to be considered for feed additives.

7.2. Tour de table

A tour de table to collect feedback from Member States on the application of the Nano Guidances was held. Most of the participants did not report relevant updates. General positive feedback on the usability and the impact of the Guidances among stakeholders and interested parties was collected. Maria Bastos and Helena Carmo (Portugal) reported an ongoing project related to the implementation of the Nano Guidances to food contact materials (FCM). Updates on this activity will be reported at the next annual Nano Network meeting.

⁵ EFSA Scientific Committee, 2021. Guidance on risk assessment of nanomaterials to be applied in the food and feed chain: human and animal health. EFSA Journal 2021;19(8):6768, 111 pp. <https://www.efsa.europa.eu/it/efsajournal/pub/6768>

⁶ EFSA FEEDAP Panel, 2021. Guidance on the identity, characterisation and conditions of use of feed additives. EFSA Journal 2017;15(10):5023, 12 pp. <https://doi.org/10.2903/j.efsa.2017.5023>

⁷ https://www.efsa.europa.eu/sites/default/files/2022-05/feedap20220504_m.pdf

8. ANSES Risk Assessment methodology for nanomaterials

Bruno Teste (France) presented ANSES' recent activities in the field of nanotechnology and nanomaterials risk assessment. In 2021 ANSES published a specific 'Health risk assessment guide for nanomaterials in food'⁸, and at the end of 2022 will publish an 'Opinion on Nano specific risk assessment implementation to Titanium Dioxide (TiO₂)' as proof of concept case of the implementation of the methodology developed. The methodology consists of a tiered approach made of four pillars and focuses on the fraction of nanoparticles in the food additive under assessment. This nanofraction is identified through Electron Microscopy analysis, which is considered as gold standard technique for the identification of nanomaterials. If the material is classified as engineered nanomaterial or does not fully dissolve, nanospecific exposure assessment and hazard identification and characterisation will follow. Further discussion will be organised between EFSA and ANSES to exchange on the respective testing strategies, discussing possibilities for mutual improvements and harmonisation.

9. ECHA guidelines for nanoforms for human health & ongoing developments in the field of environmental risk assessment

Frank Le Curieux (ECHA) presented the current activities in the field of nanomaterials under REACH (defined as nanoforms in REACH legal text), the Compliance Check (CCH) strategy of dossiers containing nanoforms (CCH strategy & substances with ongoing Annex VI CCH) and the ECHA Guidelines for nanoforms for human health together with ongoing developments in the field of environmental risk assessment. The registration process of nanoforms, through joint registrations, and the data set of information required (i.e., nanospecific characterisers, hazard information and exposure assessment) were presented. With regard to the ECHA Compliance Check strategy, two tiered compliance check of dossiers containing nanoforms were presented: the first one is the targeted CHH related to Annex VI of the REACH Regulation, while the second one is the CHH of Annexes VII-X. Lastly, the Nano Network was updated on the publication of several nano related appendices on the ECHA Guidance for Human Health in 2021⁹, the ECHA 'Appendix for nanoforms applicable to the Guidance on Registration and Substance Identification' in January 2022¹⁰, while it was announced that the ECHA 'Appendix R7-1 for nanoforms applicable to Chapter R7a Endpoint specific guidance (Version 4.0)¹¹' is currently at the last stage of commenting and will be published late 2022 or early 2023.

⁸ <https://www.anses.fr/en/content/specific-health-risk-assessment-guide-nanomaterials-food>

⁹ <https://echa.europa.eu/guidance-documents/guidance-on-information-requirements-and-chemical-safety-assessment>

¹⁰ https://echa.europa.eu/documents/10162/17250/how_to_register_nano_en.pdf/f8c046ec-f60b-4349-492b-e915fd9e3ca0?t=1643716680095

¹¹ https://echa.europa.eu/documents/10162/2324909/appendix_r71_chapter_r7a_env_v4_peq_en.pdf/7dcbcd6e-4786-8020-d9a3-8f7478c53893?t=1639639126148

10. Conclusive remarks from Day 1 session and introduction to Day 2

Further discussion will be organised between EFSA and ANSES to exchange on the respective testing strategies, discussing possibilities for mutual improvements and harmonisation.

25/10/2022

11. Wrap-up from Day 1 and adoption of the Day 2 agenda

The Chair welcomed all participants and introduced the agenda for the second day of the network meeting.

12. The Revision of the 'engineered nanomaterial' definition of the Novel Food Regulation (EU) 2015/2283

Takis Daskaleros (DG SANTE) presented the ongoing activities to revise the definition of engineered nanomaterial of the Novel Food Regulation (EU) 2015/2283 by the Commission Expert Group on Nanomaterials in Food, in accordance with the Article 31 of the Regulation. This revision is following the adoption of the Commission Recommendation on nanomaterial, published in June 2022, and will consider regulatory, technical and scientific basis and developments. Member States and technical experts are invited to participate in this exercise. The first meeting of the group was held by web conference on 13th October 2022.

13. JRC's ongoing activities and recent experience in the field of nanotechnologies, including possible research needs and ongoing trainings

The Nano Network was presented by Kirsten Rasmussen (JRC) with the current JRC activities and work in support of the nanomaterials and nanotechnology areas. The first part of the presentation was focused on the previous JRC's work on developing a Guidance for the Recommendation on the definition of nanomaterial¹², adopted by the Commission in 2011. An overview of the already existing tools and guidance documents for the implementation of the previous definition of nanomaterial were presented^{13,14,15,16,17}. The JRC is currently working

¹² JRC, 2015. Towards a review of the EC Recommendation for a definition of the term "nanomaterial". Part 1 (<https://data.europa.eu/doi/10.2788/36237>), Part 2 (<https://data.europa.eu/doi/10.2787/97286>) and Part 3 (<https://data.europa.eu/doi/10.2788/678452>).

¹³ An overview of concepts and terms used in the European Commission's definition of nanomaterial, EUR 29647 EN, Publications Office of the European Union, Luxembourg, 2019, ISBN 978-92-79-99660-3, doi:10.2760/459136

¹⁴ Identification of nanomaterials through measurements, EUR 29942 EN, Publications Office of the European Union, Luxembourg, 2019, ISBN 978-92-76-10372-1, doi:10.2760/7644

¹⁵ JRC, 2020. The NanoDefine methods manual: 2020, Publications Office of the European Union, 2020, <https://data.europa.eu/doi/10.2760/79490>

¹⁶ <http://www.nanodefine.eu/index.php/nanodefiner-e-tool>

¹⁷ ECHA Guidance 'Appendix for nanoforms applicable to the Guidance on Registration and Substance Identification'. https://echa.europa.eu/documents/10162/13655/how_to_register_nano_en.pdf/f8c046ec-f60b-4349-492b-e915fd9e3ca0

on a new guidance document reflecting the new Recommendation¹⁸, and on how identify nanomaterials through measurements with a new decisional flowchart. Publication is expected for the first quarter of 2023.

Josefa Barrero (JRC) presented the ongoing JRC-DG SANTE Project 'Nanomaterials in Food Ingredients and Products (NANOinFood)', which aims at addressing and map the needs of Member States (MSs), competent authorities and control laboratories for nanomaterials risk assessment, risk management, regulation implementation and enforcement. The project takes into account challenges related to analytical methods, measurement of nanomaterials and small particles and the need for capacity building at EU level and for developing/validating methods and producing reference materials. The project consists of four main types of activities: training, networking, method development and standardisation, among groups of MSs expert laboratories starting from a list of selected case studies of regulatory relevance and will provide scientific and technical support to the ongoing revision of the definition of engineered nanomaterial in the Novel Food Regulation.

Susanne Bremer-Hoffmann (JRC) completed the presentation with an overview of potentials and limitations of the use of New Approach Methodologies (NAMs) for the hazard characterisation of nanomaterials in food. The JRC is contributing to the ongoing EFSA NAMs Project on Nanocellulose¹⁹ and will support the upcoming EFSA NAMS4NANO Project²⁰.

14. OECD's ongoing activities and recent achievements in the field of Nanotechnologies

The Nano Network was presented by Mar Gonzalez (OECD) with a summary of the main activities in the field of Nanotechnologies at the OECD Working Party on Manufactured Nanomaterials (WPMN) which consist of: Testing and Assessment, Exposure Measurements and Exposure Mitigation, Risk Assessment and Regulatory Programmes, Advanced Materials and Safer and Sustainable Innovation Approach. One of the main areas of work at OECD is the development of Guidelines for the testing of chemicals, covered by the Mutual Acceptance of Data System, and their accompanying Guidance Documents which provide detailed explanations and flexibility to adapt the guidance. Recently, the OECD Test Guideline 125: Nanomaterial Particle Size and Size Distribution of Nanomaterials²¹ and OECD Test Guideline 124: Determination of the Volume Specific Surface Area of Manufactured Nanomaterials²² were published. A list of completed, ongoing and future projects in different areas concerning Nanomaterials was presented. Among the ongoing projects, the revision of the

¹⁸ Commission Recommendation of 10 June 2022 on the definition of nanomaterial (Text with EEA relevance) 2022/C 229/01. [https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32022H0614\(01\)](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32022H0614(01))

¹⁹ EFSA Project on the use of New Approaches Methodologies (NAMs) for the hazard assessment of nanocellulose (GP/EFSA/SCER/2020/03_Lot1)

²⁰ EFSA NAMS4NANO Project: Integration of New Approach Methodologies results in chemical risk assessments: Case studies addressing nanoscale considerations (GP/EFSA/MESE/2022/01)

²¹ OECD (2022), Test No. 125: Nanomaterial Particle Size and Size Distribution of Nanomaterials, OECD Guidelines for the Testing of Chemicals, Section 1, OECD Publishing, Paris, <https://doi.org/10.1787/af5f9bda-en>

²² OECD (2022), Test No. 124: Determination of the Volume Specific Surface Area of Manufactured Nanomaterials, OECD Guidelines for the Testing of Chemicals, Section 1, OECD Publishing, Paris, <https://doi.org/10.1787/abb72f8f-en>

Guidance on Sample Preparation and Dosimetry (GSPD), the OECD Guidance on Grouping of Chemicals (GD 194) including section 6.9. addressing “Initial considerations applicable to manufactured nanomaterials” and the reviewing of remaining needs on TG/GD for Nanomaterials and Advanced Materials considerations were briefly explained. Most recently, the OECD WPNM has started working on Advanced Materials having the opportunity to further promote the dialogue between innovators and regulators and focusing on safety, innovative and sustainable aspects of emerging materials. In this context, it is developing a Strategic Approach for Advanced Materials, to support innovation and to ensure that nanomaterials and advanced materials are developed in a safe and sustainable way supported by a circular economy. OECD is currently working on developing an SSbD (Safe- and Sustainable-by-Design) Tool Classification to identify and classify existing tools related to nanotechnologies.

15. New scientific developments, ongoing activities and/or emerging issues of concern

15.1. New EFSA NAMs4NANO Project²³

The Nano Network was presented by Maria Chiara Astuto (EFSA) with an overview of the EFSA NAMS4NANO project, designed in the context of the EFSA Strategy 2027²⁴ and of the implementation of the EFSA Roadmap on New Approach Methodologies (NAMs)²⁵, which identified ‘NAMs data integration’ as research area to be prioritised. The NAMS4NANO project will be developed under two phases. A first phase will be focused on the design of relevant case studies around nanomaterials integrating NAMs and existing data and on the development of methodologies to promote the use of NAMs data and its integration in EFSA risk assessments. The second phase will be launched from 2023 and will be focused on the design of case studies on nanoplastics, develop a risk assessment guidance for nano contaminants and promote international risk assessment for nanoplastics. The objectives of both phases of the project were presented. The results from this project in terms of developing data integration approaches will be combined with those from other ongoing EFSA Projects on NAMs.

Edoardo Carnesecchi (EFSA) provided a more detailed insight on the concept of data integration within the project. In 2019 the European Commission published the European Green Deal²⁶, which includes in its action plan the Chemicals Strategy for Sustainability²⁷ (CSS). One of the main identified objectives of the CSS is focusing on data, that should be easily findable and accessible, and data, tools and platforms should be developed according to the current format (e.g., IUCLID and IPCHEM for exposure data) in order to contribute to the overall development of a Common Data Platform on Chemicals. IUCLID has been selected as basis for collecting and disseminating hazard data. The EFSA OpenFoodTox

²³ GP/EFSA/MESE/2022/01 - NAMS4NANO: Integration of New Approach Methodologies results in chemical risk assessments: Case studies addressing nanoscale considerations.

<https://www.efsa.europa.eu/it/art36grants/article36/gpefsamese202201-nams4nano-integration-new-approach-methodologies-results>

²⁴ EFSA Strategy 2027. <https://op.europa.eu/webpub/efsa/strategy-2027/en/>

²⁵ Development of a Roadmap for Action on New Approach Methodologies in Risk Assessment, 2022. 19(6): 153 pp. [doi:10.2903/sp.efsa.2022.EN-7341](https://doi.org/10.2903/sp.efsa.2022.EN-7341)

²⁶ https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6691

²⁷ <https://ec.europa.eu/environment/pdf/chemicals/2020/10/Strategy.pdf>

database has been identified by the European Commission as a starting point for the repository of health-based limit values and the OpenFoodTox 3.0 project will be integrated in the Open Data Platform of Chemicals. The NAMS4NANO project includes a specific Work Package on data integration, with specific objectives on the development of templates for reporting NAMs-based data into IUCLID and collecting and integrating nanomaterials NAMs-based data into IUCLID resulting from the “Nano proof of concept case studies”.

After the launch of an open call for a grant agreement with Member State organisations, closed in September 2022, EFSA will evaluate the proposals received. The European Commission’s Joint Research Centre (EC-JRC) will work together with EFSA during the development of this project.

15.2. NANOCELLUP Project

The Nano Network was presented by Francesco Cubadda (ISS) with an update on the status and results of the NANOCELLUP Project, that aims (i) to design and conduct a set of NAM-based studies for addressing the current data gaps on nanocellulose (NC) hazards and (ii) to offer a proposal for including the results in the regulatory hazard assessment of NC for consumers exposed via food. Results from Tier 1 studies (information on the cellular responses following exposure to a panel of NC materials belonging to the three NC types) have been used for the final selection of the NC (2-3 materials) for further investigation in Tier 2, which focuses on digestion/degradation of NC by the microbiome, uptake from the gastrointestinal tract and assessment of local effects. The material showing the most remarkable effect in Tier 2 testing, will be submitted to Tier 3 testing, in which repeated dose toxicity will be investigated. The project includes the preparation of an IATA (Integrated Approach to Testing and Assessment) and updated detailed study protocols for each proposed NAM-based study for assessing NC oral exposure hazards. The NANOCELLUP Project represents the Lot1 of the “EFSA Project on NAMs for the hazard assessment of nanofibers”; the second Lot has been assigned to the Italian National Research Council (CNR) and aims at conducting an exploratory work to assess the state of the art and suitability of in vitro gut-on-chip models for regulatory assessments. The project started in March 2021 and is expected to end in the second quarter of 2023.

15.3. Tour de table

Due to time limitations, this agenda item was turned into a written procedure to collect relevant updates on new scientific developments, ongoing activities and/or emerging issues of concern in the area of nanotechnologies.

16. FDA’s ongoing activities and recent achievements in the field of nanotechnologies, and outcome of the 12th Annual Global Summit on Regulatory Science

The Nano Network was presented by Anil Patri (FDA) with an update on the FDA’s activities in the field of nanotechnologies together with the outcome of the 12th Annual Global Summit on Regulatory Science (GSRs) held in Singapore from 19 to 21 October 2022. A brief overview of the U.S. National Nanotechnology Initiative, composed of more than 30 U.S. agencies which meet on a regular basis to discuss and collaborate on nanotechnology aspects, was provided. It was reported that FDA has registered an increased number of submissions of products containing nanomaterials, especially in the pharmaceutical sector. As a result, in

2020 FDA has released the Nanotechnology Task Force Report²⁸, a summary report of the work done so far, and a number of FDA Issued Final Guidances and Draft Guidance Related to Nanotechnology²⁹, developed by regulators within the different areas of FDA's remit. These documents represent non-binding recommendations but provide the current thinking of FDA in the sector. FDA is currently performing Nanotechnology Regulatory Science Research through the Horizon scanning, internal reviews and gap analysis on what needs to be addressed once research is conducted. FDA has presented at the 12th Annual Global Summit on Regulatory Science the status of its capacity building in the nano area, especially in relation to developments of Lipid Nanoparticle mRNA vaccines and Advances in Gene Delivery Systems products; among the identified emerging challenges, the convergence of available technologies with nanotechnology and micro- and nanoplastics. Anil Patri presented the composition of the Organising Committee and the Agenda of the 'GSRS22: Advances in Nanotechnology for Food and Medical Products: Innovations, Safety, and Standards'. The last part of the presentation was focused on the importance of global collaborations to enable advancing in the field of nanotechnology on standards development and micro- and nano- plastics, together with an update on FDA's recent progresses in the fields.

17. Any Other Business and Conclusion

Closure of the meeting

The Chair thanked the members of the Nano Network for their continued contribution and scientific support to the work of EFSA.

²⁸ <https://www.fda.gov/science-research/science-and-research-special-topics/nanotechnology-programs-fda>

²⁹ <https://www.fda.gov/science-research/nanotechnology-programs-fda/nanotechnology-guidance-documents>