

M07072020

Minutes

ELEVENTH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Location: Web-meeting

Date: Wednesday, 17th June 2020

NERIS Bureau:

Thierry Schneider, CEPN: Chair

Florian Gering, BfS: Vice-chair

Deborah Oughton, NMBU: Treasurer

Wolfgang Raskob, KIT: Secretary

Participants: See list attached

1. OPENING OF THE TENTH GENERAL ASSEMBLY

The eleventh NERIS General Assembly was held via web-meeting, on June 17th 2020.

Thierry Schneider welcomed and opened the General Assembly at 15:00 pm, as President of the NERIS Platform. He noticed the large participation of NERIS members for this General Assembly despite the special circumstances with the pandemic crisis of COVID-19 imposing the organisation of the General Assembly remotely. The list of representatives participating at the General Assembly is provided in Annex 1 for the NERIS Bureau and Annex 2 for the NERIS Supporting Organisations.

The proposed agenda, Annex 3, was adopted by the General Assembly.

2. ANNUAL REPORT

Thierry Schneider presented the main activities of the NERIS Platform for the year 2019. The annual report presenting in details the NERIS activities for 2019 can be downloaded on the NERIS website (<https://eu-neris.net/>).

▶ **New membership**

In 2019, the Federal Agency of Nuclear Control - FANC (Belgium) joined the NERIS Platform as a supporting organisation.

Since the last general assembly, due to a revision of its activities, the University of Warwick (UK) withdrew from the Supporting Organisations. Thierry Schneider would like to thanks Simon French, now retired, for his active involvement in NERIS and post-accident management since the beginning of 90s. 2 new organisations joined the NERIS Platform as member: the Canadian Nuclear Laboratories - CNL (Canada), and the Ruder Boskovic Institute – IRB (Croatia).

At the end of 2019, 67 organisations were members of NERIS with 27 Supporting Organisations. For further details, see the list in Annex 4.

▶ **For the year 2019, the detailed list of meetings involving NERIS is provided in Annex 5. The president noted the main activities since the last general Assembly:**

- Update of the NERIS SRA and Roadmap,
- Adoption of the Joint Roadmap for RP research,
- Finalisation of several European research projects within CONCERT: CONFIDENCE, TERRITORIES, ENGAGE, SHAMISSEN-SINGS,
- Contribution to ICRP TG93 report public consultation,
- Webinars:
 - Contribution to SHARE-NERIS webinar on transition phase,
 - Organisation of a NERIS webinar on Chernobyl fires.

In addition, Thierry Schneider underlined the consequences of the special situation with the COVID-19 pandemic crisis: the cancellation of the CONCERT final event, the NERIS workshop, and ERPW2020.

▶ **For 2020, the president highlighted the following points as the main challenges:**

- The continuing of actions to make NERIS visible through:
 - New webinars, newsletters, preparing the next NERIS workshop in 2021,
 - Publication of results in scientific journals (SRA, Roadmap, special issues of research projects, etc...);
- Strengthening the cooperation within MEENAS, the coordination structure set up between the European RP research platforms (MELODI, EURADOS, EURAMED, NERIS, ALLIANCE and SHARE);
- Continuing the reflection on the NERIS roadmap with due considerations of the game changers;
- Drawing the lessons from the management of COVID-19 for emergency and recovery preparedness and response;
- Consolidating the cooperation with European and international organisations:
 - HERCA, NUGENIA...
 - ICRP, NEA, IAEA, WHO...

The annual report of the NERIS Platform for 2019 was adopted by the General Assembly.

3. FINANCIAL ISSUES

Deborah Oughton (NMBU), Treasurer of the NERIS Platform, presented the main figures of the financial results for 2019 (workload days, costs and resources).

3.1. Results of 2019

Deborah Oughton presented, for 2019, the expenses, and the resources provided by the fees of the supporting organisations, the NERIS workshop and the participation to the CONCERT EJP. The total of the expenses is 64,289.79 € and the total of the resources is 66,116.39 €. This leads to a positive result for 2019 of 1,826.60 €. The details of NERIS operating costs, resources and the result for 2019 are available in Annex 6.1.

Thierry Schneider mentioned that the expenses and resources were audited and certified by an external accountant.

The participants validated the financial results for 2019.

The General Assembly agreed to add the positive financial results (1,826.60 €) to the NERIS financial reserves.

3.2. Proposed budget for 2020

For 2020, Deborah Oughton proposed the same distribution of workload, costs and resources. It was noted that the Workshop of 2020 was cancelled due to the outbreak of COVID-19, leading to the absence of income from the workshop for this year. Equilibrium between expenses and resources is expected for 2020. The proposed budget for 2020 is available in Annex 6.2.

For 2021, the same fees for the supporting organisations were proposed: 2000€ for College 1 and 1000€ for College 2.

The participants of the NERIS General Assembly validated the proposed budget for 2020 as well as the fees amount for 2021.

4. REVIEW OF THE PLATFORM ACTIVITIES

4.1. NERIS R&D Committee and update of NERIS SRA

Johan Camps (SCK•CEN), Chair of the NERIS R&D Committee, presented the main activities of the committee since the last General Assembly.

Johan Camps explained that the update was performed in the context of EJP CONCERT WP2 on Strategic Research development. In a first phase the SRA was reviewed during a 1-day meeting (NERIS MB and R&D committee members) at CEPN in Fontenay-aux-Roses on 25th July 2019.

Changes were proposed, originating from a brainstorming session during 5th NERIS workshop in Roskilde (Denmark) and the progress made during the different CONCERT projects (mainly CONFIDENCE, TERRITORIES, ENGAGE and SHAMISEN-SINGS). A new version was made available for public consultation during 1 month from mid-September to mid-October 2019. Then, the NERIS R&D Committee met at the end of the European Radiation Protection week 2019 in October in Stockholm and discussed the feedback on the SRA from the open consultation and implemented changes.

Finally, the SRA was published in November 2019 as part of the deliverable D2.13 of CONCERT. Johan Camps outlined that the new updated SRA can be found on the NERIS web-site.

Johan Camps concluded by presenting proposals for the continuation of the R&D Committee activities for 2020: brainstorming meetings, webinars, review of works etc.

4.2. Update of the NERIS Roadmap

Thierry Schneider explained that the Roadmap was updated within the scope of CONCERT WP2, following the publication of the new NERIS SRA in November 2019 and the Joint Roadmap in February 2020.

Wolfgang Raskob (KIT) summarized result of the work carried out by the working group:

- ▶ The former separation of in 5 years slots was broken up for more realistic timescales (e.g. Phase 1 based on former EU projects);
- ▶ Links between Research Areas were introduced;
- ▶ Tasks from Topic 10 (Uncertainty and incomplete information handling) were redistributed to mainly Area 2 and Area 3 Topic 8 (Stakeholder engagement, involvement of the public & communication);
- ▶ A Gantt Chart was added to better define the representation of the time scales.

Pascal Croüail (CEPN) underlined that the NERIS roadmap has been published at the end of May 2020 as part of CONCERT deliverable. This is a first version and the roadmap has to be considered as a living document. Therefore, he encouraged those who didn't participate in the working group to share their point of view and make comments on the new version of the Roadmap.

Thierry Schneider addressed the main issues for the Roadmap. He pointed out that to address the complexity of the emergency and recovery situation, the experience shows that it requires to:

- ▶ Establish a robust, transparent and inclusive decision making-process addressing the different phases of the accident from early response to the long-term phase;
- ▶ Assess the consequences of the accident and the efficiency of the protective actions, relying on good science, advanced monitoring tools and framework and powerful and adequate assessment and simulation models;
- ▶ Elaborate strategies to protect the people and the environment;
- ▶ Challenge the protective strategies based on the evaluation provided by advanced decision-support systems;
- ▶ Adopt good ethical values;
- ▶ Address properly economic, societal and environmental challenges and set up an adequate health surveillance.

Thierry Schneider presented the two main game changers identified by the platform, addressing the evolution of the scientific, technological and societal contexts:

- ▶ Change of radiological impact assessments, decision support and response and recovery strategy by Artificial Intelligence and big data;
- ▶ Further development of risk assessment and risk management approaches and technological capabilities to cope with novel threats and accident scenarios arising from new and future nuclear and radiological technologies.

In addition, it was underlined that other challenges developed in the Joint Roadmap will also contribute to the research in the scope of NERIS:

- ▶ Radioecology: Better understand radiation-related effects on non-human biota and ecosystems and to further develop an integrated approach to environmental exposure and risk assessment from ionizing radiation;
- ▶ Low dose: Integrate epidemiological estimates of cancer risk with a more complete understanding of radiological disease pathogenesis to improve cancer risk assessment and define the risks of non-cancer diseases at low and intermediate dose levels (100 - 500 mGy and below);
- ▶ Dosimetry: Improve the understanding of spatial correlations of radiation interaction events by improved measurement and simulation techniques;
- ▶ Social Science and Humanities: Better alignment of research and practice in RP with the values, needs and expectation of society.

He concluded that there is now a need for sharing the roadmap together with the new NERIS SRA by preparing publications on the vision from NERIS for the future of the RP research in emergency and recovery issues and to further investigate the role of game changers for NERIS research activities.

4.3. Activities of the NERIS Working Groups

▶ Working Group on ICRP recommendations

Wolfgang Raskob reminded that there was a NERIS consultation meeting on updates of Pub. 109 and Pub. 111 (version of June 2019), on 27 July 2019 in Fontenay-aux-Roses (France) at CEPN.

This meeting allowed to consolidate the comments to be provided by September 5th on general aspects such as the optimization process, co-expertise, protection of the environment, aquatic models, urban countermeasures, uncertainties, stakeholder, preparedness etc.

▶ Working Group on Contaminated Goods

Thierry Schneider presented the activities related to the Working Group on Contaminated Goods (ConGoo) on behalf of Sylvie Charron (IRSN), who was participating to the meeting by phone. He presented the results of the meeting on 2nd April 2019 held in Roskilde. During this meeting Pascal Crouail presented the practical feedbacks of the work conducted by the French delegation (CEPN, IRSN) in Japan during the summer 2018. The discussion led to a list of proposals for the continuation of the Working Group:

- Uploading documents dedicated to the management of contaminated goods in PA situations;
- Considering updating existing handbooks and guidelines;
- Identifying how to analyse new topics (other goods, compensations, monitoring strategies, water management) in future research projects.

Thierry Schneider also presented the proposals for the continuation of work in 2020:

- Upload documents dedicated to the management of contaminated goods in PA situations and to consider the update existing handbooks and guidelines;
- Better understand stakeholder engagement feedback in local initiatives and their role in restoring conditions for the return of population to the territories evacuated after the Fukushima accident and also their impact on consumer confidence (in/out of Fukushima Prefecture).
- Investigate some other issues such as economical activities and compensation process

It is also proposed to organize before the end of 2020 a sharing meeting with WG ConGoo Members with the possible following topics:

- Presentation and discussion of the bibliographical update existing data analysis;
- Exchange with NEA's Committee on Radiological Protection on Public Health (CRPPH), in particular with WG dedicated to "Recovery Management" which includes a topic on management of contaminated goods in post-accident situations.

This sharing meeting could be also an opportunity to ask to ConGoo Members European Organizations who carry out work on contaminated management to present their ongoing different projects.

▶ Working Group on Information, Participation and Communication

Eduardo Gallego presented the activities of the Working Group dedicated to 'Information, Participation and Communication'. In 2019, a meeting was organised after the 10th General Assembly in Roskilde (3rd April). The objectives of the group were updated:

- To elaborate on the conclusions and recommendations of NERIS research projects with regard to:
 - information to the public,
 - communication among experts and stakeholders, and
 - the participation of the relevant stakeholder in the EPR processes.
- To have a forum of exchange of ideas and experiences within NERIS and with international organisations or groups interested in the WG topics.

In this scope, Eduardo Gallego underlined the importance of the interaction with the SHARE Platform.

Eduardo Gallego detailed the list of actions to be taken in 2020:

1. Improve the sections “Projects” and “Library” of the NERIS website:
 - Identify and organize relevant deliverables from previous projects (EURANOS; NERIS-TP; PREPARE; SHAMISEN) and recent projects (CONFIDENCE; TERRITORIES; ENGAGE; SHAMISEN-SINGS);
 - Archive and make available materials and conclusions from the national stakeholder panels;
 - Give visibility to reports / posters / presentations;
 - Increase visits to NERIS website.
2. Compile and share through NERIS website existing informative material (infographics for instance) with key messages and recommendations for different target stakeholders:
 - Already existing communication material (printed leaflets, reports, videos) on emergency preparedness and response, including post-accident recovery, could be very useful for many NERIS partners and stakeholders.;
 - Also, it will avoid duplicating some efforts and will increase visibility of NERIS and visits to the website.
3. Compiling a list of potential target NERIS stakeholders, with collaboration of all NERIS members in their respective countries.
4. Maintain and increase the presence of NERIS in international organizations (IAEA; ICRP; IRPA; NEA; NTW ...).
5. Develop NERIS presence in social networks.

It was noted from the members that the presence in social media is crucial in the current context and there should be at least sharing tools via Twitter or Facebook on the website. It was also proposed to have a mobile-friendly version of the website. Thierry Schneider proposed to discuss the topic with the Management Board to see how to improve the website in that direction.

Tatiana Duranova (VUJE) invited members to interact with the RP societies of their respective countries to have further exchanges of information and participation.

In addition, Thierry Schneider encouraged members to reflect on these proposals and send comments to the Secretariat.

4.4. Activities of the ARGOS Users Group

Jan Pehrsson (PDC) presented the activities of the ARGOS Users Group (AUG). He explained that a meeting was organised on 3-4 September 2019 in Copenhagen (Denmark). Following are the presented topics:

- ▶ New Dose calculation procedure; Peder Kock, SSM
- ▶ Uncertainties in ADM, AVESOME- and SLIM-projects; Jens Havskov, DMI
- ▶ Latest on ERMIN-development; Tom Charnock, PHE
- ▶ Particle-sizes and radiological contamination; Kasper Andersson, DTU
- ▶ ARGOS Operator Training & Accreditation; Darren Simon, CFA
- ▶ Using automated runs - a new approach to ADM by SSM; Anna Maria Blixt Buhr, SSM
- ▶ AUG-members to participate in IAEA CRP initiative? ; Anna Maria Blixt Buhr, SSM and Blake Orr, ARPANSA

Jan Pehrsson explained that the ARGOS User Group meeting was planned on 30th March – 1st April 2020 in Oslo but was cancelled due to the outbreak of COVID-19. He proposed to find a date in 2020 to meet or have a video conference.

4.5. Activities of the RODOS Users Group

Florian Gering (BfS) presented the activities of the RODOS Users Group. The last RODOS Users Group (RUG) meeting was held on 6-7 May 2019 in Bilthoven, (The Netherlands), and was hosted by RIVM.

There were 46 participants from 17 countries, and the goal of the meeting was to inform all users of the RODOS decision support system about the current status of the system (e.g. recent developments). The use of RODOS in the RUG member countries was reported and discussed, as well as the need for further development of the system.

The next RODOS User Group meeting was planned for 18-19 May 2020 at the National Centre for Nuclear Research (NCBJ) in Otwock-Swierk, Poland but due to the COVID-19 crisis the meeting had to be postponed. A new date not yet decided but next meeting will take place in the same place in Poland.

4.6. Webinars

Thierry Schneider and Johan Camps summarized the webinars that took place in May 2020. The records of the webinars are available online on the NERIS website.

On 13th May 2020, a SHARE-NERIS webinar was held on “Key challenges for managing a transition phase: lessons from Chernobyl and Fukushima accidents”. In this webinar the following topics were addressed:

- ▶ Reflection on the lessons from Chernobyl and Fukushima on ‘the transition phase’;
- ▶ Insights from a variety of experts on transition phase activity in nuclear or radiological emergency situations and relationships to the Covid-19 context.

The webinar was very interactive and a large number of questions from participants were discussed.

On 28th May 2020, a NERIS Webinar was held on the Chernobyl wildfires of April 2020, the following topics were discussed:

- ▶ Re-distribution of radioactive contamination;
- ▶ Local and regional radiological impacts;
- ▶ Use of Atmospheric dispersion and transport capabilities in combination with observation by different institutes across Europe and International networks;
- ▶ Response of different organizations, including communication of assessments made;
- ▶ Effect of fires on ecosystem/wildlife (in collaboration with ALLIANCE);
- ▶ Collaboration between institutes and further research needs.

Thierry Schneider presented some elements concerning the continuation of such webinars within the year 2020 and for the future as there is a need to cope with the cancellation of the Workshop and the European Radiation Protection Week in 2020.

There is a need for exchange of research and dialogue in nuclear and radiological emergency preparedness, response and recovery, also for young scientist with formal requirements for giving presentations during International For a for instance.

In that sense, Thierry Schneider indicated that webinars could form a partial alternative, and should be set in autumn 2020. The subjects could be both general and specific, with a flexible form.

In the future it is also considered to have webinars, allowing to present specific material outside of the Workshop.

4.7. Cooperation with the other European platforms: MEENAS

Thierry Schneider informed the participants about the current process for the signature of a Memorandum of understanding (MoU) for an integrative approach to European Radiation Protection Research. The role of this MoU is to:

- ▶ promote the integration and the efficiency of European R&D in radiation protection to better protect humans (public, patients and workers) and environment;
- ▶ advance scientific excellence;
- ▶ develop and implement the joint R&D roadmap;
- ▶ maintain and develop European research capacity;
- ▶ encourage scientific education and training and foster key research infrastructures in the field of radiation protection;
- ▶ foster international collaboration and collaboration with sister organisations and networks in a non-exclusive manner by open interaction with the wider research community and stakeholders.

5. OTHER ISSUES

Information on the status of possible future research calls



Thierry Schneider explained that the scope of the next EJP is under discussion with the European Research Platforms for Radiation Protection with MEENAS. Further information will be provided according to the evolution of the discussion between MEENAS and the EC.

NERIS Workshop 2021 and date & venue of the next General Assembly

Thierry Schneider proposed to have the Workshop either in September 2021 associated with the European Radiation Protection Week, or to have a separate workshop in spring, possibly in Barcelona, hosted by ISGlobal. The last option was adopted by the General Assembly.

6. CLOSING OF THE ELEVENTH GENERAL ASSEMBLY

Thierry Schneider thanked all the participants and closed the General Assembly at 17:00 PM

LIST OF ANNEXES

- **Annex 1: List of Participants: NERIS Bureau**
- **Annex 2: List of Participants: Supporting Organisations**
- **Annex 3: Agenda of the eleventh NERIS General Assembly**
- **Annex 4: Membership of the NERIS platform**
- **Annex 5: List of the meetings and activities of the NERIS Platform in 2019**
- **Annex 6: NERIS Financial issues**
 - Annex 6.1: Operating costs, resources and result for 2019
 - Annex 6.2: Expectations for 2020

Annex 1. List of Participants: NERIS Bureau

Chair: Thierry Schneider (CEPN)

Name: SCHNEIDER
Organisation: CEPN
Signature: 

Vice-chair: Florian Gering (BfS)

Name: Florian Gering
Organisation: BfS
Signature: F. Gering

Deborah Oughton, NMBU: Treasurer

Name: DEBORAH OUGHTON
Organisation: NMBU
Signature: 

Wolfgang Raskob, KIT: Secretary

Name: Wolfgang Raskob

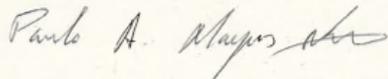
Organisation: Karlsruhe Institute of Technology (KIT)

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Annex 2. List of Participants: Supporting Organisations

Name: Paulo Alexandre Marques Nunes

Organisation: Agência Portuguesa do Ambiente, APA (Portuguese Environment Agency)

Signature: 

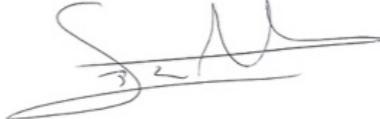
Name: Florian Gering

Organisation: BFS

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Name: SCHNEIDER

Organisation: CEPN

Signature: 

Name: Milagros Montero

Organisation: CIEMAT

Signature: 

Name: Astrid Liland

Organisation: Norwegian Radiation and Nuclear Safety Authority (DSA)

Signature: 

Name: Kasper G. Andersson

Organisation: DTU – Technical University of Denmark

Signature: 

Name: ROBERT RYAN

Organisation: ENVIRONMENTAL PROTECTION AGENCY

Signature: Robert Ryan

Name: JOHNNY NEHME

Organisation: SWISS FEDERAL OFFICE OF PUBLIC HEALTH

Signature: 



European Platform
Radiological E

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re:

Name: Wolfgang Raskob

Organisation: Karlsruhe Institute of Technology (KIT)

Signature: 

Name: Spyridon Andronopoulos

Organisation: NCSR Demokritos

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Date: 2020.06.18 10:20:15 +03'00'

Name: Slawomir Potemski

Organisation: National Centre for Nuclear Research (NCBJ), Poland

Signature: 

Name: *DEBORAH OUGHTON*

Organisation: *NMBU*

Signature: 

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Name: **Johan Camps**

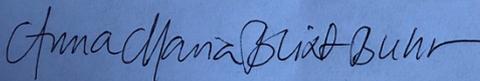
Organisation: **Belgian Nuclear Research Centre (SCK CEN)**

Signature:



Name: *ANNA MARIA BLIXT BUHR*

Organisation: *SWEDISH RADIATION SAFETY AUTHORITY*

Signature: 

Name: **Maarit Muikku**

Organisation: **STUK – Radiation and Nuclear Safety Authority**

Signature: 

Name: **Jan Helebrant**

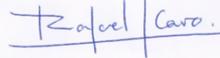
Organisation: **National Radiation Protection Institute (SÚRO), Prague, Czech Republic**

Signature: 

Name: RAFAEL J. CARO

Organisation: TECNATOM S.A.

Signature:



Name: Marie Claire Cantone

Organisation: University of Milan, Italy

Signature:



Name: Eduardo GALLEGO

Organisation: Universidad Politécnica de Madrid (UPM)

Signature:

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Name:

Tatiana Duranova

Organisation:

VUJE

Signature:



ELEVENTH GENERAL ASSEMBLY OF THE NERIS PLATFORMWednesday 17th June, 2020

15.00 – 17.00

*Web-meeting***AGENDA****Opening of the General Assembly and adoption of the agenda***(President – Thierry Schneider - CEPN)***Annual report** *(President – Thierry Schneider - CEPN)*

- ▶ Activities and evolution of the memberships
 - Adoption of the report by the GA

Financial issues *(Report of the treasurer: Deborah Oughton – NMBU)*

- ▶ Results of 2019
 - Adoption of the results of 2019
- ▶ Budget proposal for 2020
 - Adoption of the budget for 2020
- ▶ Adoption of the fees for 2021

Review of the Platform activities

- ▶ Update of the NERIS SRA *(Johan Camps)*
- ▶ Update of the NERIS Roadmap and contribution to the Joint Roadmap *(Pascal Croüail, Johan Camps, Wolfgang Raskob, Thierry Schneider)*
- ▶ Activities of the NERIS Working groups & Users Groups *(Sylvie Charron, Eduardo Gallego, Florian Gering, Jan Pehrsson)*
- ▶ Organisation of webinars *(Thierry Schneider, Johan Camps)*
- ▶ MEENAS: Coordination of the European radiation protection research platforms *(Thierry Schneider)*
- ▶ Information on the status of possible future research calls *(Thierry Schneider)*

Other issues

- ▶ NERIS Workshop 2021
- ▶ Date and venue of the next General Assembly

Closing remarks*(President – Thierry Schneider - CEPN)*

Annex 4. Membership of the NERIS platform

Supporting organisations:

1. [APA](#) - Agencia Portuguesa do Ambiente (Portugal)
2. [BfS](#) - Federal Office for Radiation Protection (Germany)
3. [CEPN](#) - Nuclear Evaluation Protection Centre (France)
4. [CIEMAT](#) - Research Centre for Energy, Environment and Technology (Spain)
5. [DSA](#) - Norwegian Radiation and Nuclear Safety Authority (Norway)
6. [DTU](#) - Technical University of Denmark (Denmark)
7. [EPA](#) - Environmental Protection Agency (Ireland)
8. [FANC](#) - Federal Agency of Nuclear Control (Belgium)
9. [FOPH](#) - Federal Office of Public Health, Radiological Protection (Switzerland)
10. [GAEC](#) - Greek Atomic Energy Commission (Greece)
11. [IRSN](#) - French Institute for Radiological Protection and Nuclear Safety (France)
12. [IST](#) - Instituto Superior Técnico, the Lisbon School of Engineering, Science and Technology (Portugal)
13. [KIT](#) - Karlsruhe Institute of Technology (Germany)
14. [MUTADIS](#) (France)
15. [NCSR D](#) - National Centre for Scientific Research "Demokritos" (Greece)
16. [NCBJ](#) - National Centre for Nuclear Research (Poland)
17. [NMBU](#) - Norwegian University of Life Sciences (Norway)
18. [PHE](#) - Public Health England (United Kingdom)
19. [PDC](#) - Prolog Development Center (Denmark)
20. [SCK.CEN](#) - Belgian Nuclear Research Centre (Belgium)
21. [SSM](#) - Swedish Radiation Safety Authority (Sweden)
22. [STUK](#) - Finnish Radiation and Nuclear Safety Authority (Finland)
23. [SURO](#) - National Radiation Protection Institute (Czech Republic)
24. [Tecnatom](#) (Spain)
25. [UNIMI](#) - University of Milan (Italy)
26. [UPM](#) - Universidad Politécnica de Madrid (Spain)
27. [VUJE](#) - Nuclear Power Plants Research Institute (Slovakia)

Members:

28. [AgroParisTech](#) - Paris Institute of Technology for Life, Food and Environmental Sciences (France)
29. [AIT](#) - Austrian Institute of Technology (Austria)
30. [ANCCLI](#) - National Association of Liaison Committee (France)
31. [ASN](#) - French Safety Authority (France)
32. [BIR](#) - Bundeswehr Institute of Radiobiology (Germany)
33. [CNL](#) - Canadian Nuclear Laboratories (Canada)
34. [DEMA](#) - Danish Emergency Management Agency (Denmark)
35. [DZZZ](#) - Office for Radiological and Nuclear Safety (Croatia)
36. [ENEA](#) - Italian National Agency for New Technologies, Energy and Sustainable Economic Development (Italy)
37. [EVIRA](#) - Finnish Food Safety Authority (Finland)
38. [GRS](#) - Gesellschaft für Anlagen und Reaktorsicherheit (Germany)
39. [Hungarian Academy of Sciences Centre for Energy Research](#) (Hungary)
40. [Institute of Environmental Geochemistry](#) under NAS (Ukraine)
41. [IFIN HH](#) - National Institute of Physics and Nuclear Engineering (Romania)
42. [IRB](#) - Ruđer Bošković Institute (Croatia)
43. [ISGlobal](#) - Barcelona Institute for Global Health - (Spain)
44. [JSI](#) - Jozef Stefan Institute (Slovenia)
45. [ISP NPP](#) - Institute for Safety Problems of Nuclear Power Plants (Ukraine)
46. [ISS](#) - Istituto Superiore di Sanità (Italy)
47. [KWR](#) - Watercycle Research Institute (Netherlands)
48. [MBS](#) - University of Manchester (United Kingdom)
49. [NAEA](#) - National Atomic Energy Agency (Poland)

50. [NPP-OSI](#) -NPP Operation Support Institute (Ukraine)
51. [NRG](#) - Nuclear Research and Consultancy Group (Netherlands)
52. [PMA](#) - Pays de Montbéliard Agglomération (France)
53. [Regional Environmental Center](#) (Slovenia)
54. [RIKILT](#) - Institute of Food Safety (Netherlands)
55. [RIR](#) - Research Institute of Radiology (Belarus)
56. [RIVM](#) - National Institute for Public Health and the Environment (Netherlands)
57. [SCN](#) - Institute for Nuclear Research (Romania)
58. [SNSA](#) - Slovenian Nuclear Safety Administration (Slovenia)
59. [SSTC NRS](#) - State Scientific and Technical Center for Nuclear and Radiation Safety (Ukraine)
60. TRPA - Taiwan Radiation Protection Association (Taiwan)
61. [UBB](#) - University babes-Bolyai (Romania)
62. [UCEWP](#) - Ukrainian Center of Environmental and Water Projects (Ukraine)
63. [UJV Rez. as](#) - Nuclear Research Institute Rez (Czech Republic)
64. [University of Warwick](#) (United Kingdom)
65. [UOI](#) - University of Ioannina (Greece)
66. [UV](#) - University of Valencia (Spain)
67. [UVM.BWL](#) - Ministerium für Umwelt, Naturschutz und Verkehr Baden-Württemberg (Germany)

Annex 5. List of the meetings and activities of the NERIS Platform in 2019

| Event | Date | Venue |
|--|---|--|
| NERIS Management Board Meetings | | |
| 37 th NERIS Management Board | 18 th February 2019 | Skype meeting |
| 38 th NERIS Management Board | 10 th April 2019 | Skype meeting |
| 39 th NERIS Management Board | 20 th September 2019 | Skype meeting |
| 40 th NERIS Management Board | 17 th October 2019 | European Radiation Protection Week 2019, Stockholm, Sweden |
| R&D Committee meetings | | |
| R&D Committee | 2 nd April 2019 | DTU Nutech, Roskilde, Denmark |
| R&D Committee on the SRA | 25 th July 2019 | Fontenay-aux-Roses, France |
| R&D Committee | 18 th October 2019 | European Radiation Protection Week 2019, Stockholm, Sweden |
| Working Groups / User groups | | |
| WG on ICRP recommendations | 26 th February 2019 | Boulogne-Billancourt, France |
| WG on Contaminated goods | 2 nd April 2019 | DTU Nutech, Roskilde, Denmark |
| WG on information, communication, participation | 3 rd April 2019 | DTU Nutech, Roskilde, Denmark |
| WG on ICRP recommendations | 26 th July 2019 | Fontenay-aux-Roses, France |
| General Assembly | | |
| 10 th General Assembly | 3 rd April 2019 | DTU Nutech, Roskilde, Denmark |
| Workshops | | |
| 5 th NERIS Workshop | 3 rd – 5 th April 2019 | DTU Nutech, Roskilde, Denmark |
| CONCERT Project | | |
| TERRITORIES Final Workshop | 12 th – 14 th November 2019 | Aix-en-Provence, France |
| CONFIDENCE Dissemination Workshop | 2 nd -5 th December 2019 | Bratislava, Slovak Republic |
| Participation to other Workshops | | |
| European Radiation Protection Week 2019 | 14 th -18 th October 2019 | Stockholm, Sweden |
| Other cooperation | | |
| 23rd Nuclear Medical Defence Conference, CONRAD 2019 | 13 th - 16 th May 2019 | Munich, Germany |
| SLO ICRP - NERIS | 17 th September 2019 | London, United-Kingdom |

Annex 6. NERIS Financial issues
Annex 6.1 Operating costs, resources and result for 2019

| NERIS 2019 OPERATING COSTS | | | | | | | | | |
|-----------------------------------|--|---------------|--------------------|---------------------------|--------------------------|-------------------------------|------------------|--------------|-----------------|
| NERIS COSTS | Items | Workload days | Workload days paid | Daily cost VAT excluded € | Total cost VAT excuded € | Total cost VAT included 20% € | T&S and others € | Subtotal F € | Total € |
| NETWORK SECRETARIAT (CEPN) | | | | | | | | | |
| NERIS Steering Group & Management | General management (manager) | 5 | 3 | 1400,00 | 4200,00 | 5040,00 | | 5040,00 | |
| | Assistance (junior researcher) | 15 | 11 | 600,00 | 6600,00 | 7920,00 | | 7920,00 | |
| NERIS Workshops (NERIS+ERPW) | Workshops organisation (manager) | 2 | 1 | 1400,00 | 1400,00 | 1680,00 | | 1680,00 | |
| | Workshops organisation (junior researcher) | 15 | 9 | 600,00 | 5400,00 | 6480,00 | 1887,67 | 8367,67 | |
| WG & sub-network management | Management (manager) | 1 | 1 | 1400,00 | 1400,00 | 1680,00 | | 1680,00 | |
| | Assistance (junior researcher) | 3 | 2 | 600,00 | 1200,00 | 1440,00 | | 1440,00 | |
| NERIS Newsletters | Editorial board (manager) | 1 | 0 | 1400,00 | 0,00 | 0,00 | | 0,00 | |
| | Realisation (junior researcher) | 6 | 4 | 600,00 | 2400,00 | 2880,00 | | 2880,00 | |
| NERIS website | Maintenance, upgrading (senior researcher) | 4,5 | 3 | 800,00 | 2400,00 | 2880,00 | | 2880,00 | |
| | Maintenance, upgrading (junior researcher) | 3 | 2 | 600,00 | 1200,00 | 1440,00 | | 1440,00 | |
| Contacts with Intl. Organisations | Management (manager) | 2,5 | 2 | 1400,00 | 2800,00 | 3360,00 | | 3360,00 | 33327,67 |
| European projects | CONCERT Projects (manager) | 0 | 0 | 1400,00 | 0,00 | 0,00 | | 0,00 | |
| | Stakeholders Travel expenses | | | | | | 7941,49 | 7941,49 | 7941,49 |
| Reception | Lunches, dinner (AB, SG) | | | | | | 458,78 | 458,78 | |
| Workshop | Workshop organisation - Neris 2019 | | | | | | 10679,78 | 10679,78 | |
| Others | Auditor certification | | | | | | 500,00 | 500,00 | |
| | Web domain (neris.eu), stamp, banking... | | | | | | 22,07 | 22,07 | |
| | Allowance for doubtful accounts | | | | | | 6000,00 | 6000,00 | 17660,63 |
| NERIS COST for coordination | | 58 | 38 | | 29000,00 | 34800,00 | 27489,79 | | 62289,79 |
| Contributions | RPW | | | | | | 2000,00 | | 2000,00 |
| NERIS COST for support | | | | | | | 2000,00 | | 2000,00 |
| TOTAL NERIS COSTS | | 58,0 | 38,0 | | | 34800,00 | 29489,79 | | 64289,79 |

| NERIS 2019 RESOURCES | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|-----------------|
| Fees | members of NERIS - supporting organisations | | | | | | | | 42000,00 |
| European financial support | CONCERT project s | | | | | | | | 0,00 |
| | CONCERT travel expenses supported | | | | | | | | 5666,39 |
| Workshop | Registrations - Roskilde | | | | | | | | 18450,00 |
| TOTAL NERIS RESOURCES | | | | | | | | | 66116,39 |

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|----------------|
| RESULT | | | | | | | | | 1826,60 |
|---------------|--|--|--|--|--|--|--|--|----------------|

Annex 6.2 Expectations for 2020

| NERIS 2020 OPERATING COSTS | | | | | | | | | |
|-----------------------------------|--|---------------|--------------------|---------------------------|--------------------------|-------------------------------|------------------|--------------|-----------------|
| NERIS COSTS | Items | Workload days | Workload days paid | Daily cost VAT excluded € | Total cost VAT excuded € | Total cost VAT included 20% € | T&S and others € | Subtotal F € | Total € |
| NETWORK SECRETARIAT (CEPN) | | | | | | | | | |
| NERIS Steering Group & Management | General management (manager) | 5 | 3 | 1400,00 | 4200,00 | 5040,00 | | 5040,00 | |
| | Assistance (junior researcher) | 15 | 12 | 600,00 | 7200,00 | 8640,00 | | 8640,00 | |
| NERIS Workshops (NERIS+ERPW) | Workshops organisation (manager) | 2 | 1 | 1400,00 | 1400,00 | 1680,00 | | 1680,00 | |
| | Workshops organisation (junior researcher) | 10 | 9 | 600,00 | 5400,00 | 6480,00 | 300,00 | 6780,00 | |
| WG & sub-network management | Management (manager) | 2 | 1 | 1400,00 | 1400,00 | 1680,00 | | 1680,00 | |
| | Assistance (junior researcher) | 3 | 2 | 600,00 | 1200,00 | 1440,00 | | 1440,00 | |
| NERIS Newsletters | Editorial board (manager) | 1 | 0 | 1400,00 | 0,00 | 0,00 | | 0,00 | |
| | Realisation (junior researcher) | 5 | 4 | 600,00 | 2400,00 | 2880,00 | | 2880,00 | |
| NERIS website | Maintenance, upgrading (senior researcher) | 4 | 2 | 800,00 | 1600,00 | 1920,00 | | 1920,00 | |
| | Maintenance, upgrading (junior researcher) | 3 | 2 | 600,00 | 1200,00 | 1440,00 | | 1440,00 | 31500,00 |
| Contacts with Intl. Organisations | Management (manager) | 6 | 2 | 1400,00 | 2800,00 | 3360,00 | | 3360,00 | 3360,00 |
| European projects | CONCERT Projects (manager) | 3 | 0 | 1400,00 | 0,00 | 0,00 | | 0,00 | |
| | Stakeholders Travel expenses | | | | | | 2000,00 | 2000,00 | 2000,00 |
| Reception | Lunches, dinner (AB, SG) | | | | | | 450,00 | 450,00 | |
| Workshop | Workshop organisation | | | | | | 2500,00 | 2500,00 | |
| Others | Auditor certification | | | | | | 500,00 | 500,00 | |
| | Web domain (neris.eu), stamp, banking... | | | | | | 150,00 | 150,00 | 3600,00 |
| NERIS COST for coordination | | 59 | 38 | | 28800,00 | 34560,00 | 5900,00 | | 40460,00 |
| Contributions | RPW | | | | | | 2000,00 | | 2000,00 |
| NERIS COST for support | | | | | | | 2000,00 | | 2000,00 |
| TOTAL NERIS COSTS | | 59,0 | 38,0 | | | 34560,00 | 7900,00 | | 42460,00 |

| NERIS 2020 RESOURCES | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|-----------------|
| Fees | members of NERIS - supporting organisations | | | | | | | | 41000,00 |
| European financial support | CONCERT project s | | | | | | | | 0,00 |
| | CONCERT travel expenses supported | | | | | | | | 1404,75 |
| Workshop | Registrations - workshop | | | | | | | | |
| TOTAL NERIS RESOURCES | | | | | | | | | 42404,75 |

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|--------------|
| RESULT | | | | | | | | | -5,25 |
|---------------|--|--|--|--|--|--|--|--|--------------|