

M01072023

Minutes

14TH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Location: Online-meeting

Date: Tuesday, 15th June 2023

NERIS Bureau:

Olivier Isnard, CEPN: Chair

Florian Gering, BfS: Vice-chair

Deborah Oughton, NMBU: Treasurer

Pieter De Meutter, SCK CEN : Secretary

Participants: See list attached

1. OPENING OF THE TWELFTH GENERAL ASSEMBLY

The 14th NERIS General Assembly was held via online-meeting, on June 15th, 2023.

Olivier Isnard welcomed and opened the General Assembly at 14:00 PM, as President of the NERIS Platform. 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 president of the platform pointed out the particular context of emergency and preparedness radiation protection at the time of the meeting, given the recent invasion of Ukraine leading to new challenges in Europe.

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

2. ANNUAL REPORT

Olivier Isnard presented the main activities of the NERIS Platform for the year 2022. The full annual report presenting in details the NERIS activities for 2022 can be downloaded on the NERIS website (<https://eu-neris.net>).

▶ New membership:

At the end of 2022, 64 organisations were members of NERIS with 25 Supporting Organisations. MUTADIS withdrew from Supporting Organisations since the cessation of its activities. Olivier Isnard also welcomed CNL as a new Supporting organisation which joined in early 2023. For further details, see the list in Annex 4.

▶ For the year 2022, the president of the platform noted the main activities since the last General Assembly:

- The organisation of the 7th NERIS Workshop as a satellite workshop of the ERPW in Estoril (Portugal), with 14 presentations dedicated to the issues of “Uncertainty quantification, data assimilation, monitoring strategies, and inverse modelling” and “Lessons learned and optimization of management strategies”. It gathered around 70 participants.
- Participation to the ERWP 2022 where Deborah Oughton (NMBU) and Kasper Andersson (DTU) from the R&D Committee and Management Board of NERIS, chaired the session on the topic of "Emergency Preparedness, Response and Recovery". It constated in 6 presentations of 15 minutes each, followed by a discussion time with the speakers.
- Participation to webinars:
 - MEENAS Webinar, 6th May 2022, web-meeting: with the participation of members of the NERIS Management Board and Olena Pareniuk (ISP NPP) who presented an overview of the situation in the Chernobyl exclusion zone, the Zaporizhzhya NPP, and the "Neutron Source" nuclear facility in the context of the Russian invasion in Ukraine.
 - NEA/CRPPH/EGRM workshop on “Building a Framework for Post Nuclear Accident Recovery Preparedness: National-Level Guidance” 23rd May 2022, web-meeting: The Expert Group on Recovery Management (EGRM) of the Committee on Radiological Protection and Public Health (CRPPH) of the OECD's Nuclear Energy Agency (NEA) organized an online meeting to present its new report titled "Building a Framework for Post Nuclear Accident Recovery Preparedness: National-Level Guidance." Members of the NERIS Management Board participated in this seminar with the aim of sharing the NEA's directions on the subject with its members.
- The NERIS Management Board participated in the launch of the PIANOFORTE research partnership in radioprotection (June 14, 2022, Fontenay-aux-Roses, France), representing NERIS as a partnering research platform. Specifically on resilience in disaster situations the latter topic, the NERIS platform shared with its members the framework for future project

calls associated with the partnership and officially initiated the cooperative momentum of the platform.

- ▶ For 2023, the president highlighted the following points as the main challenges:
 - For the upcoming PIANOFORTE 1st call, it is important for the community to continue to mobilize itself in order to answer properly to the calls.
 - The community must progress and build knowledge on growing and urgent topics linked with EP&R:
 - Armed conflicts,
 - SMRs,
 - NRBC,
 - Climate change.
 - This will have to go through a new dynamic within the R&D Committee by proposing new working groups or workshops, for instance to benchmark other calls.

The annual report of the NERIS Platform for 2022 was adopted by the General Assembly.

3. FINANCIAL ISSUES

Pieter de Meutter (SCK CEN), as Secretary of the platform presented the main figures of the financial results for 2022 (workload days, costs and resources) on behalf of Deborah Oughton (NMBU), Treasurer of the NERIS Platform, who couldn't attend the meeting for this part of the General Assembly.

The details of NERIS operating costs, resources and the result for 2022 are available in Annex 5.1 ; the proposed budget for 2023 is available in Annex 5.2.

3.1. Results of 2022

Pieter De Meutter presented, for 2022, the expenditures, and the income provided mainly by the fees of the supporting organisations. The total of the expenditures is 39 216 € and the total of income is 43 083,39 €. This leads to a positive result for 2021 of 3 867,46 €. The accounts were audited and certified validated by an external account.

The participants validated the financial results for 2022.

The General Assembly agreed to add the positive financial results (3 867,46 €) to the NERIS financial reserves.

3.2. Proposed budget for 2023

For 2023, Pieter De Meutter proposed the same distribution of workload. Income would be lower from the withdrawal of MUTADIS from the Supporting Organisation, adding up to 38 000 €. Costs would rise to 39 286 € from publication costs of the *Radioprotection* paper on the NERIS SRA. The result would be -1 386 € and could be absorbed from the reserve.

For 2024, the same fees for the supporting organisations were proposed: 2 000€ for College 1 and 1 000€ for College 2.

The participants of the NERIS General Assembly validated the proposed budget for 2023 as well as the fees amount for 2024.

4. REVIEW OF THE PLATFORM ACTIVITIES

For more details on the reporting of NERIS Activities, please consult the presentation in Annex 7. The president highlighted that the reduced work from NERIS Working Groups other than the User Groups is explained by the high demand from PIANOFORTE call preparation throughout 2022.

4.1. Activities of the ARGOS Users Group

Jan Pehrsson presented the activities of the ARGOS Users Group (AUG). He explained that in 2022, the group met with a workshop on 12-14 September 2022, with 11 presentations from European, Australian, Canadian and Brazilian homologues on a wide variety of topics.

The AUG also had a meeting on 5-6 April 2022, and was the occasion to share points of view for handling the system with regards to the situation in Ukraine, among regular topics such as the follow up on the 2020 exercise, inverse modelling and source localization.

4.2. Activities of the RODOS Users group

Clemens Woda (BfS) summarized the activities of the RODOS Users Group (RUG) since last General Assembly in 2022. On 25th January 2022, the RUG met online with more than 100 participants from many countries, to address the implementation of JRodos in Gulf Cooperation Council countries, Balkan countries and ASEAN countries, the participation in Convex 3 exercises of IAEA in 2021.

Two special RODOS meetings were held online on 19th July 2022 and 1st December 2022 to analyze the 1st and 2nd RUG small exercises. Those exercises, organized by BfS, ENCO and KIT consisted in scenarios with : an accident with a radiation source that was melted in a steel plant, leading to a release of Cs-137 into the environment, and a nuclear accident caused by a collision between a nuclear icebreaker and a heavy bulk carrier ship in Danish coastal waters. Results were delivered by around 30 organizations from 24 countries. Results were discussed with recommendations as an output of this work.

Next regular RODOS Users Group (RUG) meeting (online or hybrid?) would be organized on 18th October 2023 (to be confirmed).

4.3. Organisation of next issue of the NERIS Workshop at ERPW 2023

Antony Bexon (UKHSA) presented the update on the NERIS Workshop at the occasion of the upcoming ERPW in Dublin (Ireland), foreseen on 9^h October 2023, with around 23 papers in the topic of Emergency Preparedness and Recovery.

5. INFORMATION ON THE STATUS OF PIANOFORTE

Olivier Isnard informed participants on the status of the PIANOFORTE call at the time of the General Assembly with available details on the schedule and let members of R&D committee share their commitment in current proposals. Among them, Pascal Crouail (CEPN) presented contents of a proposal for answer called RRADEW, focused on the resilience to radiological events in wartime (Topic 3), where it was proposed to allocate parts of funds from PIANOFORTE for NERIS to be used for the invitation of stakeholders in meetings and events.

6. CLOSING OF THE 14TH GENERAL ASSEMBLY

Olivier Isnard thanked all the participants, and invited the Management Board and R&D Committee to stay in contact up until the Workshop and ERPW for the preparation to PIANOFORTE calls. The General Assembly closed at 17:00.

LIST OF ANNEXES

- **Annex 1: List of Participants: NERIS Bureau**
- **Annex 2: List of Participants: Supporting Organisations**
 - Annex 2bis: List of Participants: Supporting Organisations : signatures
- **Annex 3: Agenda of the 13th NERIS General Assembly**
- **Annex 4: NERIS membership**
- Erreur ! Source du renvoi introuvable.: Erreur ! Source du renvoi introuvable.**21**
- **Annex 5: NERIS Financial issues**
 - Annex 5.1: Operating costs, resources and result for 2021
 - Annex 5.2: Expectations for 2022
- **Annex 6: Presentation of NERIS activities**
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Annex 1. List of Participants: NERIS Bureau

European Platform on Preparedness for Nuclear and
Radiological Emergency Response and Recovery

14th General Assembly

15th June 2023, 14.00-17.00 CET

Via online-meeting

Members of the Bureau of the NERIS Platform

Olivier Isnard, IRSN	Chair	
Florian Gering, BfS	Vice-chair	Excused
Pieter De Meutter, SCK CEN	Secretary	
Deborah Oughton, NMBU	Treasurer	

Annex 2. List of Participants: Supporting Organisations

Supporting Organisation	Represented by
APA - Agencia Portuguesa do Ambiente (Portugal)	Paulo Nunes on behalf of Paulo Nunes
BfS - Federal Office for Radiation Protection (Germany)	Clemens Woda on behalf of Florian Gering
CEPN - Nuclear Evaluation Protection Centre (France)	Thierry Schneider
CIEMAT - Research Centre for Energy, Environment and Technology (Spain)	Milagros Montero
DSA - Norwegian Radiation and Nuclear Safety Authority (Norway)	Astrid Liland
DTU - Technical University of Denmark (Denmark)	Kasper Andersson
EPA - Environmental Protection Agency (Ireland)	Robert Ryan
ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development (Italy)	Ignazio Vilardi on behalf of Federico Rocchi
FANC - Federal Agency of Nuclear Control (Belgium)	Thibault Vanaudenhove on behalf of Geert Biermans
IRSN - French Institute for Radiological Protection and Nuclear Safety (France)	Olivier Isnard
IST - Instituto Superior Técnico, the Lisbon School of Engineering, Science and Technology (Portugal)	Mario Capucho dos Reis
KIT - Karlsruhe Institute of Technology (Germany)	Angelika Bohnstedt
NCSR D - National Centre for Scientific Research "Demokritos" (Greece)	Spyros Andronopoulos
NCBJ - National Centre for Nuclear Research (Poland)	Anna Wawrzyńczak-Szaban on behalf of Sławomir Potępski
NMBU - Norwegian University of Life Sciences (Norway)	Deborah Oughton
PHE - Public Health England (United Kingdom)	Antony Bexon
PDC - Prolog Development Center (Denmark)	Jan Perhsonn
SCK.CEN - Belgian Nuclear Research Centre (Belgium)	Pieter De Meutter
SSM - Swedish Radiation Safety Authority (Sweden)	Anna Maria Blixt Buhr
STUK - Finnish Radiation and Nuclear Safety Authority (Finland)	Tuomas Peltonen on behalf of Maarit Muikku
SURO - National Radiation Protection Institute (Czech Republic)	Irena Cespirova on behalf of Jan Helebrant
Tecnatom (Spain)	Rafael J. Caro
UNIMI - University of Milan (Italy)	Marie-Claire Cantone
UPM - Universidad Politécnica de Madrid (Spain)	Milagros Montero on behalf of Eduardo Gallego

Annex 3. Agenda of the 13th NERIS General Assembly**14TH GENERAL ASSEMBLY OF THE NERIS PLATFORM**15th June 2023, 14.00 – 17.00*Web-meeting***AGENDA****Opening of the General Assembly and adoption of the agenda***(President – Olivier Isnard - IRSN)***Annual report** *(President – Olivier Isnard - IRSN)*

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

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

- ▶ Results of 2022
Adoption of the results of 2022
- ▶ Budget proposal for 2023
Adoption of the budget for 2023
- ▶ Adoption of the fees for 2024

Review of the Platform activities

- ▶ Activities of the NERIS Working groups & Users Groups
- ▶ Organisation of the NERIS Workshop at next ERPW *(Antony Bexon)*

Information on the status of the answer to the PANOFORTE call**Other issues**

- ▶ Date and venue of the next General Assembly

Closing remarks*(President – Olivier Isnard)*

Annex 4. NERIS membership at the time of the General Assembly (June 2023)**Supporting Organisations**

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

Members in 2022

27. [AgroParisTech](#) - Paris Institute of Technology for Life, Food and Environmental Sciences (France)
28. [AIT](#) - Austrian Institute of Technology (Austria)
29. [ANCCLI](#) - National Association of Liaison Committee (France)
30. [ASN](#) - French Safety Authority (France)
31. [BIR](#) - Bundeswehr Institute of Radiobiology (Germany)
32. [DEMA](#) - Danish Emergency Management Agency (Denmark)
33. [DZZZ](#) - Office for Radiological and Nuclear Safety (Croatia)
34. [EVIRA](#) - Finnish Food Safety Authority (Finland)
35. [GRS](#) - Gesellschaft für Anlagen und Reaktorsicherheit (Germany)
36. [Hungarian Academy of Sciences Centre for Energy Research](#) (Hungary)
37. [Institute of Environmental Geochemistry](#) under NAS (Ukraine)
38. [IFIN HH](#) - National Institute of Physics and Nuclear Engineering (Romania)
39. [IRB](#) - Ruđer Bošković Institute (Croatia)
40. [ISGlobal](#) - Barcelona Institute for Global Health - (Spain)
41. [JSI](#) - Jozeph Stefan Institute (Slovenia)
42. [ISP NPP](#) - Institute for Safety Problems of Nuclear Power Plants (Ukraine)
43. [ISS](#) - Istituto Superiore di Sanità (Italy)
44. [KWR](#) - Watercycle Research Institute (Netherlands)
45. [MBS](#) - University of Manchester (United Kingdom)
46. [NAEA](#) - National Atomic Energy Agency (Poland)
47. [NPP-OSI](#) -NPP Operation Support Institute (Ukraine)
48. [NRG](#) - Nuclear Research and Consultancy Group (Netherlands)
49. [PMA](#) - Pays de Montbéliard Agglomération (France)
50. [Regional Environmental Center](#) (Slovenia)
51. [RIKILT](#) - Institute of Food Safety (Netherlands)
52. [RIVM](#) - National Institute for Public Health and the Environment (Netherlands)
53. [SCN](#) - Institute for Nuclear Research (Romania)
54. [SNSA](#) - Slovenian Nuclear Safety Administration (Slovenia)
55. [SSTC NRS](#) - State Scientific and Technical Center for Nuclear and Radiation Safety (Ukraine)
56. TRPA - Taiwan Radiation Protection Association (Taiwan)
57. [UBB](#) - University babes-Bolyai (Romania)
58. [UCEWP](#) - Ukrainian Center of Environmental and Water Projects (Ukraine)
59. [UJV Rez, as](#) - Nuclear Research Institute Rez (Czech Republic)
60. [UOI](#) - University of Ioannina (Greece)
61. [UV](#) - University of Valencia (Spain)
62. [UVM.BWL](#) - Ministerium für Umwelt, Naturschutz und Verkehr Baden-Württemberg (Germany)
63. [VUJE](#) - Nuclear Power Plants Research Institute (Slovakia)

Annex 5. NERIS Financial issues
Annex 5.1 Operating costs, resources and result for 2022

NERIS 2022 OPERATING COSTS - RESULT										
NERIS COSTS	Items	Workload days	Workload days paid	Daily cost VAT excluded €	Total cost VAT excluded €	Total cost VAT included 20% €	T&S and others €	Subtotal F €	Total €	
NETWORK SECRETARIAT (CEPN)										
NERIS Steering Group & Management	General management (director)			1550,00	0,00	0,00		0,00		
	Management (project manager)	6	3	1200,00	3600,00	4320,00	1433,97	5753,97		
	Assistance (junior researcher)	13	8	570,00	4560,00	5472,00	1014,82	6486,82		
NERIS Workshops (NERIS+ERPW)										
	Workshops organisation (director)			1550,00	0,00	0,00		0,00		
	Workshops organisation (project manager)	5	3	1200,00	3600,00	4320,00		4320,00		
	Workshops organisation (junior researcher)	8	6	570,00	3420,00	4104,00		4104,00		
WG & sub-network management										
	Management (director)			1550,00	0,00	0,00		0,00		
	Management (project manager)	2	2	1200,00	2400,00	2880,00		2880,00		
	Assistance (junior researcher)	3	3	570,00	1710,00	2052,00		2052,00		
NERIS Newsletters	Editorial board (project manager)	0,5	0,0	1200,00	0,00	0,00		0,00		
	Realisation (junior researcher)	6	5	570,00	2850,00	3420,00		3420,00		
NERIS website	Maintenance, upgrading (senior researcher)	2	0	850,00	0,00	0,00		0,00		
	Maintenance, upgrading (junior researcher)	3	1	570,00	570,00	684,00		684,00	29700,79	
Contacts with intl. Organisations	Management (director)			1550,00	0,00	0,00		0,00	0,00	
European projects	Projects (project manager)	3	3	1200,00	3600,00	4320,00	0,00	4320,00	4320,00	
	Stakeholders Travel expenses/Publications						0,00	0,00		
Reception	Lunches, dinner (AB, SG)						0,00	0,00		
Workshop	Workshop organisation						2069,65	2069,65		
Others	Auditor certification						600,00	600,00		
	Web domain (neris.eu), stamp, banking...						25,49	25,49	2695,14	
NERIS COST for coordination		515	34		26310,00	31572,00	5143,93	36715,93	36715,93	
Contributions	ERPW 2022						2500,00	2500,00	2500,00	
NERIS COST for support							2500,00	2500,00	2500,00	
TOTAL NERIS COSTS		515	34+0			31572,00	7643,93		39215,93	

FEES 2022			Fees €	
NERIS RESOURCES	Members of NERIS - supporting organisations			
1	Belgium	SCK-CEN	Belgian Nuclear Research Center	1000,00
2	Belgium	AFCN	Agence Fédérale Contrôle Nucléaire	2000,00
3	Czech Rep.	SURO	National Radiation Protection Institute	1000,00
4	Denmark	DTU	Technical University of Denmark	1000,00
5	Denmark	PDC	Prolog Development Center	1000,00
6	Finland	STUK	Radiation and Nuclear Safety Authority	2000,00
7	France	MUTADIS	Mutadis	1000,00
8	France	CEPN	Nuclear Evaluation Protection Center	1000,00
9	France	IRSN	Institute for Radiological Protection and Nuclear Safety	2000,00
10	Germany	BFS	Federal Office for Radiation Protection	2000,00
11	Germany	KIT	Karlsruhe Institute of Technology	1000,00
12	Greece	DEMOKRIT	National Center for Scientific Research DEMOKRITOS	1000,00
13	Ireland	EPA	Environmental Protection Agency	2000,00
14	Italy	UNIMI	University of Milan	1000,00
15	Italy	ENEA	Italian National Agency for New Technologies, Energy and Sustainable Economic Development	2000,00
16	Norway	DSA	Norwegian Radiation Protection and nuclear safety Authority	2000,00
17	Norway	NMBU	Norwegian University of Life Science	1000,00
18	Poland	NCNR	National Centre for Nuclear Research	1000,00
19	Portugal	IST	Technical Institute of Lisbon	1000,00
20	Portugal	APA	Agencia Portuguesa do Ambiente	2000,00
21	Spain	UPM	Technical University of Madrid	1000,00
22	Spain	CIEMAT	Ciemat	2000,00
23	Spain	TECNATOM	Tecnatom	2000,00
24	Sweden	SSM SRSA	Swedish Radiation Safety Authority	2000,00
25	Switzerland	OFSP	Swiss Federal Office of Public Health	2000,00
26	United Kingdom	UKHSA	United Kingdom Health Security Agency - Radiation Protection division - UKHSA	2000,00
TOTAL FEES			39000,00	
NERIS 2022 RESOURCES				
Fees	members of NERIS - supporting organisations		39000,00	
European financial support	CE - Pianoforte 1st payment		1989,64	
Workshop	Registrations - workshop		0,00	
Financial incomes			93,75	
Recovery on doubtful accounts			2000,00	
TOTAL NERIS RESOURCES			43083,39	
RESULT			3867,46	

Annex 5.2 Expectations for 2023

NERIS 2023 OPERATING COSTS - PREVISIONAL										
NERIS COSTS	Items	Workload days	Workload days paid	Daily cost VAT excluded €	Total cost VAT excluded €	Total cost VAT included 20% €	T&S and others €	Subtotal F €	Total €	
NETWORK SECRETARIAT (CEPN)										
NERIS Steering Group & Management	General management (director)			1550,00	0,00	0,00		0,00		
	Management (project manager)	6	3	1200,00	3600,00	4320,00	1200,00	5520,00		
	Assistance (junior researcher)	13	9	570,00	5130,00	6156,00	1200,00	7356,00		
NERIS Workshops (NERIS+ERPW)	Workshops organisation (director)			1550,00	0,00	0,00		0,00		
	Workshops organisation (project manager)	5	3	1200,00	3600,00	4320,00		4320,00		
	Workshops organisation (junior researcher)	8	6	570,00	3420,00	4104,00		4104,00		
WG & sub-network management	Management (director)			1550,00	0,00	0,00		0,00		
	Management (project manager)	2	2	1200,00	2400,00	2880,00		2880,00		
	Assistance (junior researcher)	3	3	570,00	1710,00	2052,00		2052,00		
NERIS Newsletters	Editorial board (project manager)	0,5	0,0	1200,00	0,00	0,00		0,00		
	Realisation (junior researcher)	6	5	570,00	2850,00	3420,00		3420,00		
NERIS website	Maintenance, upgrading (senior researcher)	0	0	850,00	0,00	0,00		0,00		
	Maintenance, upgrading (junior researcher)	2	1	570,00	570,00	684,00		684,00	30336,00	
Contacts with intl. Organisations	Management (director)			1550,00	0,00	0,00		0,00		
European projects	Projects (project manager)	3	3	1200,00	3600,00	4320,00		4320,00		
	Stakeholders Travel expenses/Publications						0,00	0,00		
Reception	Lunches, dinner (AB, SG)						500,00	500,00		
Workshop	Workshop organisation						1600,00	1600,00		
Others	Auditor certification						600,00	600,00		
	Web domain (neris.eu), stamp, banking...						30,00	30,00	2730,00	
NERIS COST for coordination		48,5	35		26880,00	32256,00	5130,00		37386,00	
Contributions	ERPW 2022						2000,00		2000,00	
NERIS COST for support							2000,00		2000,00	
TOTAL NERIS COSTS		48,5	35,0			32256,00	7130,00		39386,00	

FEES 2023					
NERIS RESOURCES	Members of NERIS - supporting organisations				Fees €
1	Belgium	SCK-CEN	Belgian Nuclear Research Center	1000,00	
2	Belgium	AFCN	Agence Fédérale Contrôle Nucléaire	2000,00	
3	Czech Rep.	SURO	National Radiation Protection Institute	1000,00	
4	Denmark	DTU	Technical University of Denmark	1000,00	
5	Denmark	PDC	Prolog Development Center	1000,00	
6	Finland	STUK	Radiation and Nuclear Safety Authority	2000,00	
7	France	MUTADIS	Mutadis	0,00	
8	France	CEPN	Nuclear Evaluation Protection Center	1000,00	
9	France	IRSN	Institute for Radiological Protection and Nuclear Safety	2000,00	
10	Germany	BFS	Federal Office for Radiation Protection	2000,00	
11	Germany	KIT	Karlsruhe Institute of Technology	1000,00	
12	Greece	DEMOKRIT	National Center for Scientific Research DEMOKRITOS	1000,00	
13	Ireland	EPA	Environmental Protection Agency	1000,00	
14	Italy	UNIMI	University of Milan	1000,00	
15	Italy	ENEA	Italian National Agency for New Technologies, Energy and Sustainable Economic Development	2000,00	
16	Norway	DSA	Norwegian Radiation Protection and nuclear safety Authority	2000,00	
17	Norway	NMBU	Norwegian University of Life Science	1000,00	
18	Poland	NCNR	National Centre for Nuclear Research	1000,00	
19	Portugal	IST	Technical Institute of Lisbon	1000,00	
20	Portugal	APA	Agencia Portuguesa do Ambiente	2000,00	
21	Spain	UPM	Technical University of Madrid	1000,00	
22	Spain	CIEMAT	Ciemat	2000,00	
23	Spain	TECNATOM	Tecnatom	2000,00	
24	Sweden	SSM SRSA	Swedish Radiation Safety Authority	2000,00	
25	Switzerland	OFSP	Swiss Federal Office of Public Health	2000,00	
26	United Kingdom	UKHSA	United Kingdom Health Security Agency - Radiation Protection division - UKHSA	2000,00	
TOTAL FEES					38000,00
NERIS 2023 RESOURCES					
Fees	members of NERIS - supporting organisations				38000,00
European financial support	CE - Pianoforte 1st payment				0,00
Workshop	Registrations - workshop				0,00
Recovery on doubtful accounts					0,00
TOTAL NERIS RESOURCES					38000,00
RESULT					-1386,00

Annex 6. Presentation of NERIS activities

ARGOS User Group Activities



ARGOS User Group (AUG), Sep. 12-14, 2022

- Progress on update of Reference Accident for visiting Nuclear Powered Vessels; Blake Orr, ARPANSA
- Prognoses for specific accident scenarios with regard to the consequences of the war in Ukraine; Agnieszka Hac-Heimburg, DEMA
- Nuclear device simulations in ARGOS; Henrik Roed, DEMA
- Operative mode a new approach to bomb assessment; Anna Maria Blixt Buhr and Jonas Lindgren, SSM
- New features in ARGOS 9.10/10.0; Jan Pehrsson, PDC-ARGOS
- Update from IAEA CRP on Dose Tools in EPR; Blake Orr, ARPANSA
- Using the BATCH function for APRANSA assessment; Kath Gouin and James DeCorrado, ARPANSA
- Source term estimation for Komsomolets; Naem Syed, DSA
- “Winter is coming” – accidental release at dawn at Angra site; Pedro Paulo de Lima-e-eSilva CNEN
- Convex3 exercise, EPA-experience; Robert Ryan, EPA
- Canadian experience in working with ARGOS; Mirela Tabra and Ahmad Al-Nasser, RPB HC, Canada

PDC-ARGOS



RODOS Users Group

- ▶ Regular RODOS Users Group (RUG) meeting (*online*):
25th January 2022 (9 – 11 am)
 - >100 participants from many countries
 - Special topic: Implementation of JRodOS in Gulf Cooperation Council countries, Balkan countries and ASEAN countries
- ▶ 2 special RODOS Users Group (RUG) meetings (*online*):
19th July 2022 and
1st December 2022
 - Special topic: Evaluation of the 1st and 2nd RUG small exercises



RODOS Users Group

- ▶ New Idea (in 2022): organization of small RUG exercises
 - Idea: Organisation of **small exercises for nuclear/radiological emergencies** (table top)
 - Purpose: Provide an opportunity for JRODOS users to
 - (regularly) test the operational use of JRODOS system
 - (regularly) train JRODOS operators
 - compare own results with results from other users
 - learn from other users (best practices)
 - Frequency: about **1-2 times per year**
 - Duration: about **2 hours** (within a 2 week period!)
 - Participants: any JRODOS user (who is interested)
 - Release scenarios: all possible release scenarios relevant for off-site emergency management
 - Release sites: worldwide
 - Evaluation: self-evaluation by comparison of own results with results from KIT and/or other RUG members

- ▶ 1st small RUG exercise in June/July 2022:
 - Organised by BfS, ENCO and KIT; BfS distributed the exercise material on 20.06.2022 to all RUG members.
 - The scenario described an accident with a **radiation source that was melted in a steel plant**, leading to a release of Cs-137 into the environment. This accident was designed with reference to the Acerinox accident in 1998.
 - The participants had two weeks of time to perform the simulations with the corresponding JRodos models and to provide a list of results and recommendations. All results were stored at KIT and were open to all other participants.
 - Results were delivered by **25 participating organisations from 24 different countries**. Staff from KIT (Christian Staudt) summarized the results.
 - During a special RUG meeting on 19.07.2022, the exercise participants discussed the results and recommendations.

- ▶ 2nd small RUG exercise in Nov/Dec 2022:
 - Again organised by BfS, ENCO and KIT; exercise description was send out to the RUG members on 17th November 2022
 - The scenario for this exercise was a **nuclear accident caused by a collision between a nuclear icebreaker and a heavy bulk carrier ship** in Danish coastal waters.
 - Until 30th November 2022, results were delivered by **30 organizations from 24 countries**
 - In a special RUG meeting on 01.12.2022 it was noticed that most results were quite similar. Deviations were discussed between the participants. Some of the variances were due to the use of wrong coordinates but also the use of different dispersion models and varying weather data sets had an influence.

- ▶ Next regular RODOS Users Group (RUG) meeting (*online or hybrid?*):
18th October 2023 (9 – 12 am) (*still to be confirmed*)
- ▶ Next small RUG exercise:
exercise period: **11th – 22nd September 2023**,
exercise evaluation planned as part of the regular RODOS Users Group
(RUG) meeting (see above)