



NARSIS

New Approach to Reactor Safety Improvements

WP6: Dissemination and Communication activities

D6.6 - Proceedings of the Final Workshop (France)



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1 Executive Summary

This deliverable provides the presentations of the Final NARSIS Workshop, held fully online on February 16th & 17th, due to the sanitary crisis still on-going in France.

This workshop was dedicated to presenting the research achievements produced by NARSIS, during four sessions covering the five technical workpackages (WP1 to WP5). It was also the occasion to bring different communities together, coming from the nuclear and chemical industries, having in common the probabilistic approaches as governing principle to work with. Hence, four invited talks were given by experts outside NARSIS, to provide an overview of the probabilistic approaches, uncertainty quantification, stochastic modelling, safety assessment, etc. within the various fields of application.

A final round table helped fostering discussions and exchanges on the possible impacts, regarding NARSIS results and perspectives for use (e.g., in practice by engineers) and for future research or regulation activities.

75 people have registered and attended to the different sessions of this workshop, with an average of 45 people per session. We hope that this unusual format has helped to broaden the circle to share the outcomes of our project with a wider audience.

2 Flyer of the final workshop

The flyer can be found on the NARSIS web at:

http://www.narsis.eu/sites/default/files/upload/documents/h2020_narsis_final_workshop_flyer_vf_0.pdf

3 Agenda of the final workshop

The final agenda can be found on the NARSIS web at:

http://www.narsis.eu/sites/default/files/upload/documents/narsis_agenda_vf_0.pdf

4 Presentations

All presentations can be found on the NARSIS web at the following links:

- General introduction:

http://www.narsis.eu/sites/default/files/upload/documents/narsis_finalworkshop_cea_introduction.pdf

- Topic#1: Multi-Hazard Assessment for nuclear facilities:

http://www.narsis.eu/sites/default/files/upload/documents/presentations_topic1_-_multihazards.zip

- Topic#2: Fragility Assessment for nuclear SSC:

http://www.narsis.eu/sites/default/files/upload/documents/presentations_topic2_-_fragility.zip

- Topic#3: Multi-Risk integration for PSA of NPP:

http://www.narsis.eu/sites/default/files/upload/documents/presentations_topic3_-_multirisks.zip

- Topic#4: Applying & comparing various approaches for PSA:

http://www.narsis.eu/sites/default/files/upload/documents/presentations_topic4_-_safety_applications.zip

- Topic#5: Severe Accident Management:

http://www.narsis.eu/sites/default/files/upload/documents/presentations_topic5_-_sam.zip

- Topic#6: Possible impacts and wider perspectives:

http://www.narsis.eu/sites/default/files/upload/documents/presentation_topic6_narsis-recommendations.pdf

- Invited talk#1: Shahan Poghosyan (IAEA, Austria):

http://www.narsis.eu/sites/default/files/upload/documents/s.poghosyan_-_expanding_psa_horizons_-_iaea_perspective.pdf

- Invited talk#2: Moustapha Maliki (ETH Zürich, Switzerland):

http://www.narsis.eu/sites/default/files/upload/documents/invited_talk2_narsis_maliki.pdf

- Invited talk#3: Dennis Henneke (GE-Hitachi Nuclear Energy, USA):

http://www.narsis.eu/sites/default/files/upload/documents/invited_talk3_mupsa_multi_hazard_s-henneke-2-2022.pdf

- Invited talk#4: François Masse (INERIS, France):

http://www.narsis.eu/sites/default/files/upload/documents/invited_talk4_chemical_industry_masse.pdf