



Horizon 2020
Programme

METIS

Research and Innovation Action (RIA)

This project has received funding from the European
Union's Horizon 2020 research and innovation programme
under grant agreement No 945121

Start date : 2020-09-01 Duration : 48 Months

Communication and Dissemination plan report

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METIS - Contract Number: 945121

Project officer: Katerina PTACKOVA

Document title	Communication and Dissemination plan report
Author(s)	Mrs. Simone SULLIVAN, Emma Luguterah (LGI) Mya Belden (LGI)
Number of pages	30
Document type	Deliverable
Work Package	WP2
Document number	D2.2
Issued by	EDF Energy
Date of completion	2021-02-23 17:25:15
Dissemination level	Public

Summary

The Communication & Dissemination plan outlines all the communication and dissemination tools and activities for the promotion of METIS.

Approval

Date	By
2021-02-23 17:25:33	Mrs. Simone SULLIVAN (EDF Energy)
2021-03-01 13:40:47	Dr. Irmela ZENTNER (EDF)



METIS

Seismic Risk Assessment
for Nuclear Safety

Research & Innovation Action

NFRP-2019-2020

The Methods and Tools Innovations for Seismic Risk Assessment (METIS) Research and Innovation Action (RIA)

**This project has received
funding from the European
Union's Horizon 2020
research and innovation
programme under grant
agreement No 945121**

**Deliverable Task 2.2: Project dissemination and
communication plan**



Version 4 EL 15/01/2021

Authors: Emma Luguterah (LGI)
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This project has received funding from the Horizon 2020 programme under grant agreement n°945121.





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Document Information

Grant agreement	945121
Project title	Methods And Tools Innovations For Seismic Risk Assessment
Project acronym	METIS
Project coordinator	Dr. Irmela Zentner, EDF
Project duration	1 st September 2020 – 31 st August 2024 (48 months)
Related work package	WP2
Related task(s)	Task 2.2: Project dissemination and communication plan. All tasks in WP2
Lead organisation	EDF
Contributing partner(s)	EDF, LGI, UKC
Due date	M6 29/02/2021 - ongoing
Submission date	M5 29/01/2021
Dissemination level	Public

History

Date	Version	Submitted by	Reviewed by	Comments
11/11/2020	N2	Emma Luguterah		
17/12/2020	N3	Emma Luguterah		
15/02/2021	N4	Mya Belden		



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Abbreviations and Acronyms

Acronym	Description
WP	Work Package
METIS	METHODS AND TOOLS INNOVATIONS FOR SEISMIC RISK ASSESSMENT
EUG	End Users Group
PSHA	Probabilistic Seismic Hazard Assessment
PSA	Probabilistic Safety Assessment

Table 1: Abbreviations and acronyms

About METIS

Launched in September 2020, the METHODS AND TOOLS INNOVATIONS FOR SEISMIC RISK ASSESSMENT (METIS) H2020 Project aims to improve confidence in nuclear safety by advancing the approach utilised for seismic safety assessments for Nuclear Power Plants. The outcome will allow for risk-informed decision-making in the European context and METIS will help to optimise the use of existing and future reactors and will contribute to competitiveness of the European nuclear industry.

METIS is an EU-funded 4-year project under the Horizon 2020 Euratom Research and Training Programme having a total budget of €5 million, of which €4 million is funded from the European Commission.

The project will be delivered by an international consortium gathering 13 European partners from France, Germany, Italy, Greece, UK, Ukraine and Slovenia alongside with 3 organisations from US and Japan. The depth and strength of the consortium partners brings together energy nuclear industry knowledge, expertise in seismic risk assessment and dissemination methods.

More information: <http://metis-h2020.eu>

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Summary

This Communication & Dissemination plan outlines all the communication and dissemination tools and activities for the promotion of METIS.

As stated in this document, this toolkit will be updated and improved based on the monitoring results collected to reach the objectives that have been set.

Keywords

METIS, seismic, hazard, fragility, risk, assessment, nuclear, power plant, communication, dissemination, exploitation and knowledge transfer, website, LinkedIn, ResearchGate



Introduction

For European collaborative research projects funded by the Horizon 2020 programme, Communication and dissemination tasks have become increasingly crucial.

The primary function of this deliverable is to outline the methods utilised, and the communication and dissemination plan of METIS. This report includes a segment on the project's context and details the communications activities, the target audiences and important messages.

The scope includes all actions ascertained and beyond the project when relating to knowledge dissemination, and public communication on the project and its outcomes. This document will be continuously reviewed and updated throughout the project.

1 Context and objectives of the project

There are many contributing partners within this WP2 (Dissemination, exploitation and training). Please see table below that outlines their responsibilities.

Task	Due Date	Leader	Contributors
2.2: Project dissemination and communication plan	M01-M06	Emma Luguterah, UKC	Mya Belden, LGI
2.1: Communication - brand, website and materials to be used at events etc	M01-M48	Mya Belden, LGI	Clara Demange, LGI, Emma Luguterah, UKC, Irmela Zentner, EDF
2.3: Scientific Dissemination	M01-M48	Emma Luguterah, UKC	Konstantin Goldschmidt, TUK, Irmela ZENTNER EDF
2.4: Workshops and webinars	M06-M48	Clara Demange, LGI	Irmela Zentner, EDF, Konstantin Goldschmidt, TUK, Marco Pagani, Kendra Johnson, Robin Gee GEM
2.5: Education and training	M06-M48	Philippe Martinuzzi, UKC	Dimitrios Vamvatsikos/ Ms. Aggeliki Gerontati NTUA, Irmela Zentner, EDF, Ms. Yulia Yesypenko, SSTC-NRS, Konstantin Goldschmidt, TUK, Paolo Bazzurro, Mohsen Kohrangi, Pablo Alfonso Garcia de Quevedo Iñarritu, Nevena Šipčić, IUSS, Marco Pagani,

			Kendra Johnson, Robin Gee, GEM, Matjaž Dolšek, UL
2.6: METIS End Users Group	M01-M48	Ionel Nistor, UKC	Irmela Zentner, EDF, Sylvain Bouley, IRSN
2.7: Final Handbook	M45-M48	Philippe Martinuzzi, UKC	

Table 2: Contributors to WP2

Today, there is a focus on nuclear in the energy industry as the landscape changes to being more sustainable and 'clean' for the environment. The nuclear industry will need to adapt accordingly.

The major goal of METIS is to propose innovations in tools and methodologies for seismic safety assessment of reactors by supporting technology transfer from the research community to the industry.

The outcome of this project will allow for risk-informed decision-making in the European context and METIS will help to optimise the use of existing and future reactors and will contribute to competitiveness of the European nuclear industry.

Led by EDF Group, METIS is a Euratom project that aims to improve confidence in nuclear safety by advancing the approach utilised for seismic safety assessments for Nuclear Power Plants. International partners involved in this project will ultimately provide a new set of state-of-the-art approaches and promote good practices across the community.

2 The METIS brand

In the following section, all the communication and dissemination methodologies have a consistent and clear brand identity for METIS, which reflects the message that the project wishes to portray.

In addition, all of the resources including scientific publications and papers generated by the project, will incorporate the obligatory EU emblem accompanied with the following sentence.



This project has received funding from the Euratom research and training programme 2020-2024 under the grant agreement no 945121

Figure 1: EU Emblem



2.1 Visual identity



Figure 2: METIS logo

The METIS logo uses two fonts: Source Sans Variable and The Sans Black Caps.

One of the first actions to start building the METIS branding was the design of the overall project's visual identity, which included an official logo, a colour palette, a typeface and several templates. These materials were finalised and produced by LGI during the first trimester of the project.

The logo is essential for the identity of the project. In order to make a clear and appealing logo, the topic of seismic risk assessment was examined, and the project coordinator was consulted. The pyramid represents the three facets of risk assessment in line with the spirit and content of the project.

The METIS logo was created to reflect the three key aspects of the project concerning seismic risk assessment (hazard, fragility and consequence) while also including the context and role of nuclear energy within the EU's efforts to reduce carbon emissions. This logo is and will be included in all documentation, tools and promotional material.

In text the correct form to refer to the name of the project is 'METIS.'

2.2 Project Presentation Template

A PowerPoint presentation template was designed to be used by all partners for internal meetings, and when presenting the project at external events (conferences, workshops, meetings with stakeholders...).



Figure 3: METIS presentation template

2.3 Other corporate materials

Flyer:

A flyer will be designed and distributed at workshops and events organised by METIS, as well as during external events. It will include the main message, keywords, consortium members, and the expected results of the project.



Figure 4: METIS flyer

Roll-up poster:

A roll-up will be designed to use at events and conferences. It will include the main message, keywords, consortium members and the expected results of the project.



Figure 5: METIS roll-up poster

Standard presentation:

An initial standard presentation was prepared and will be continuously updated to include the milestones of the project. This will support partners when they present METIS at conferences, events, workshops and meetings with stakeholders.



3 Communication and Dissemination Strategy

3.1 Objectives

Based on the requirements of the project, METIS's main communication objectives are to:

- Communicate and disseminate the project's activities and objectives and support the coordination of its results.
- Consolidate and make available all possible relevant public reports and results of the project.
- Increase awareness of METIS to targeted groups.
- Apprise and educate the general public about METIS and the benefits of this advanced approach for seismic safety assessments.
- Amplify the dissemination of METIS's outcomes by sharing these with the technical and policy communities.
- Actively pursue a dialogue with the scientific community, key stakeholders, policymakers, end-users and the general public.
- Ensure international collaboration with all partners and 3 organisations from the US and Japan.
- Commit to knowledge transfer, especially to the new generation of engineers and researchers within the European context and rest of the world.

3.2 Target audiences

The main target groups of METIS's communication and dissemination strategy are the stakeholders of the project: parties involved in research activities on seismic, as well as the general public and policymakers. These groups are detailed below.

Target audiences	
International scientific community specialised in seismic	International scientists, professors and researchers will benefit from the outcomes of the project, which will be widely disseminated to increase their knowledge about seismic assessment and advanced approaches.
Regulatory authorities and TSOs	Outcomes of the project (including best practices and guidelines) could impact and influence European and worldwide nuclear regulatory authorities in the procedures in nuclear power plants.
Utilities and end-users	Utilities and end-users could be persuaded by the economical and safety aspects of this project.



Nuclear industry	Results of the project could convince industrials to use this seismic assessment for their nuclear power plants.
EU policymakers	Policymakers involved in energy, industry and innovation sectors are important stakeholders, as aspects resulting from the project will be discussed and may lead to legislative initiatives at EU level, with possible new policies in nuclear.
General public	It is important to inform the public about the research funded by the EU which aims to improve the lives of Europeans, and to change public perception.
International students (including PhDs)	Training the next generation of researchers is key to transferring the latest knowledge on seismic and nuclear power plant safety. They will be able to access training material directly on the project website. They will also be able to participate in thematic training schools and international summer schools.

Table 3: Target audiences

3.3 Messages

An initial set of key messages for METIS has been developed to educate and inform the target audiences of the project, as well as seismic assessment and advanced approaches. Additional tailored messages are being drafted to promote METIS in the most effective way.

3.3.1 Initial key messages

Based on the results and analyses carried out in the project, please see table below for the key initial key messages.

Target audiences	
International scientific community specialised in seismic	<ul style="list-style-type: none"> METIS will provide new knowledge on seismic nuclear safety and advanced approaches. METIS will strengthen the seismic community, as well as establish international partnership and dialogue between researchers from Europe, the USA and Japan.
Regulatory authorities and TSOs	<ul style="list-style-type: none"> METIS will contribute to defining new nuclear safety standards by aligning with international regulatory requirements.
Utilities and end-users	<ul style="list-style-type: none"> Advanced approaches developed by METIS would offer improved confidence in nuclear safety.



	<ul style="list-style-type: none"> Results generated by METIS (including EUG survey by UKC) may open new markets and business opportunities for industrials providing an improved safety approach in power plants. METIS will contribute to the long-term development of the seismic safety in nuclear power plants and advanced tools.
Nuclear industry	<ul style="list-style-type: none"> METIS will commit to the long-term development of better practices and using modern tools in Europe and worldwide using final handbook. METIS will improve the innovation capacity of nuclear operators / end users, opening new markets and business opportunities for industrials Results generated by METIS may open new markets and business opportunities for industrials
EU policymakers	<ul style="list-style-type: none"> Through workshops and webinars METIS will provide scientific, economic and technical guidelines to policymakers METIS will continue to improve the public perception and acceptance of nuclear industry and activities especially for seismic nuclear safety.
General public	<ul style="list-style-type: none"> METIS will create a safer nuclear environment due to best practices and advanced tools and approaches.
International students (including PhDs)	<ul style="list-style-type: none"> METIS will participate to educate the future generation of researchers through direct access for international students to materials and participation in summer schools.

Table 4: Initial key messages

3.3.2 METIS description

A text describing METIS has been drafted in two versions (short and long), to ensure a coherent and consistent message about the project. This text will be used by all partners, and in materials dedicated to promoting and communicate on METIS.

Short version

Launched in September 2020, METIS aims to improve confidence in nuclear safety by advancing the approach utilised for seismic safety assessments for nuclear power plants.

For 4 years, experts from Europe, the USA and Japan will work together and seek to develop common guidelines in line with international practice. This project is also dedicated to the development, improvement and use of modern high-performance open source tools.

Led by EDF Group, METIS is a Euratom project which will use the expertise of all consortium partners including seismic risk assessment and dissemination methods. METIS will help to

optimise the use of existing and future reactors and will contribute to competitiveness of the European nuclear industry.

Visit our website for more information: <http://metis-h2020.eu>

Long version

Launched in September 2020, METIS aims to improve confidence in nuclear safety by advancing the approach utilised for seismic safety assessments for nuclear power plants.

For 4 years, experts from Europe, the USA and Japan will work together and seek to develop common guidelines for seismic safety assessment at the European level in line with international practice and consensus. This project is also dedicated to the development, improvement and use of modern high-performance open source tools: OpenQuake engine, code_aster and salome_meca platform, OpenSees, and SCRAM.

Led by EDF Group, METIS is a Euratom project which will use the depth and strength of the consortium partners to bring together energy nuclear industry knowledge, expertise in seismic risk assessment and dissemination methods. The outcome will allow for risk-informed decision-making in the European context and METIS will help to optimise the use of existing and future reactors and will contribute to competitiveness of the European nuclear industry.

Visit our website for more information: <http://metis-h2020.eu>

3.3.3 Content and channels

In order to ease the information flow, a simple yet effective process has been set up to allow all partners, to collaborate on content creation and to relay the information that will be shared through the communication channels described in the next section.

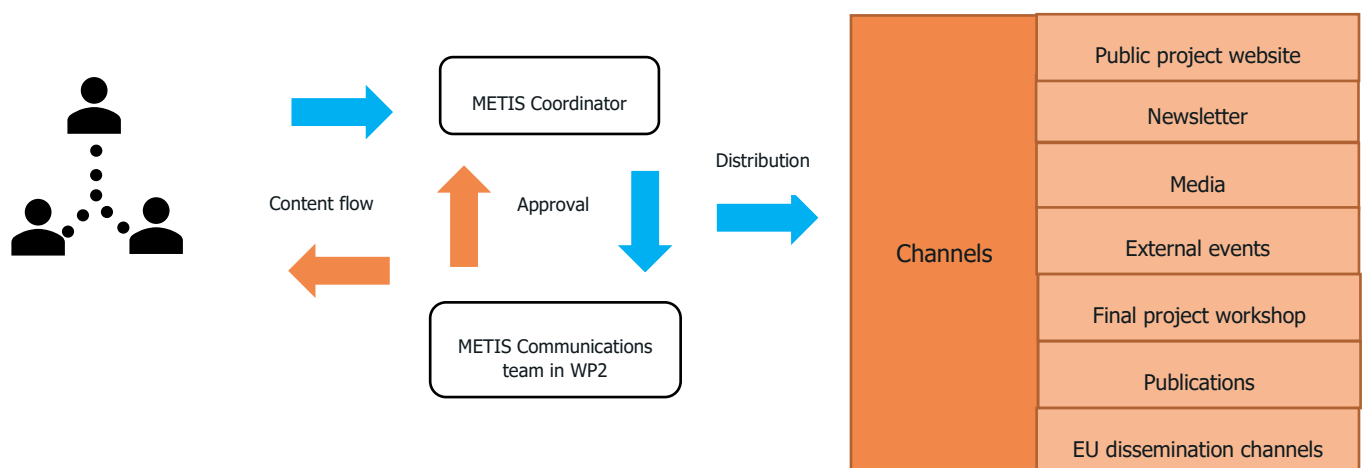


Figure 6: Content information flow

The content generated during the 48 months of the project needs to be communicated through the most effective channels, depending on the target audience and the format of each of these



channels. As shown in the chart above, once the information content has been produced, the partners in charge of communication will decide when to post and what channels to publish on.

3.3.4 Project website

The public METIS website was officially launched in February 2021: <http://metis-h2020.eu>

A complete version of the website will be presented in Deliverable 2.3 - Project website online, expected to be submitted by LGI at M6.

This website will integrate a document sharing platform for internal and external communication. This private area will also ease reporting/monitoring activities, as well as meeting and event management regarding the project.

The public website will provide general information on the project, share news and announcements about the project's progress, give access to the publishable documents produced by the project, and communicate on the project's events. The content of the site will be maintained and updated monthly, in particular the publications and events sections according to the milestones achieved in the project and the needs of external communication.

This is the centralised tool for dissemination: any stakeholder can access it to gain information or contact relevant partners.

The project website will continually be updated following the editorial structure as outlined below.

Month	Activity marker
Month 1: 29/09/2020	• METIS Kick off meeting and start date
Month 6: 29/02/2021	• Project website delivery and due date
Every Month from March 2021	• Scheduled routine website update
Month 48: 31/08/2024	• METIS ending date

Table 5: Website update schedule

To provide useful and relevant information for online visitors, it was decided that the website should provide the answers to the most likely questions posed by both external stakeholders or online visitors, such as:

- What is the METIS project?
- What is the METIS project about?
- What is the project delivering, and why?
- Who are the partners of the project?
- What are the latest news and events of the project?
- Where can they find more information on the topic or related topics?



Homepage

Important information on the METIS project can be directly accessed from the homepage, where highlights of each section, or topic are displayed.

The homepage is a centralised area that provides general information about this project.

Moreover, visitors have direct access to information on:

- the project and its context
- the partners of the consortium
- the activities carried out
- the expected impacts and objectives
- the latest news and upcoming events
- all published reports, newsletters, and promotional materials
- the link to the partner area

METIS+ Communication toolkit (web and communication, dissemination, exploitation & knowledge transfer plan)

D2.2 - Communication & Dissemination Plan Report



SEISMIC RISK ASSESSMENT FOR NUCLEAR SAFETY
A HORIZON 2020 PROJECT

METIS is a Horizon 2020 project that launched in September 2020. Coordinated by Dr. Imeko Zentgraf, expert research engineer at EDF, the goal of the project is to develop and improve tools and methodologies employed in seismic safety assessments of nuclear reactors. METIS will focus on three levels of assessment: hazard, fragility and consequence—and aims to translate this research into practice for industry use.

The project will also develop common guidelines to facilitate periodic safety reviews, promote good practices under the Nuclear Safety Directive and create risk-informed decision-making. Bringing together 15 partners from 9 different countries, the METIS consortium will collaborate to achieve these goals, and as a result, directly contribute to the competitiveness of the European nuclear industry.

15 Partners
9 Countries
48 Months

LATEST NEWS

10 NOV: NEW EURATOM PROJECTS LABELLED BY SNETP
A series of nuclear projects funded under the Horizon 2020 Euratom programme and labelled by one of the SNETP pillars (NATIONAL FDS & NCS) have recently kicked off (see list below).
[READ MORE](#)

05 NOV: EDF GROUP LEADS ON METIS PROJECT THAT ASSESSES THE SEISMIC RISK OF NUCLEAR POWER PLANTS
The methods and tools innovations for seismic risk assessment (METIS) Horizon 2020 project has been officially launched after a recent virtual kick-off meeting.
[READ MORE](#)

30 SEP: THE METIS PROJECT KICKS OFF!
The METIS project kick-off meeting took place on the 29th and 30th of September 2020. Because of the ongoing pandemic and the risks associated with travelling, the meeting was held virtually. Though it was not the same as interacting face-to-face, partners were still able to engage with one another.
[READ MORE](#)

OUR PARTNERS

edf, ENERGORISK, GEM, GEF, GRI, IRSN, IUS, LGI, NC STATE UNIVERSITY, PEER, SSTC NRS, THOMAS UNIVERSITÄT KASERLAUTERN

GET IN TOUCH
Coordinator: Dr. Imeko Zentgraf, EDF
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Find us on LinkedIn: @EURATOM-METIS
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PARTNER AREA
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Figure 7: Screenshot of Homepage



Other landing pages on this website are as follows:

- **The 'About' page** describes the project, its key approach, main contributors, different partners, main goals and expected outcomes.
- **The 'Context' page** provides background information regarding the METIS project, describing previous work and further explaining the need for the project. materials produced during the project.
- **The 'Objectives & Impacts' page** describes the METIS project's main objectives and expected impacts.
- **The 'News' sub-menu** gives access to the 'Events calendar', a useful tool presenting by month or by list, all the past and upcoming events relating to the METIS project. Milestones, results and relevant activities related to METIS project are available in the 'Newsroom' section.
- **The 'Resources' page** will feature all public materials produced during the project, including public deliverables, publications, newsletters, press releases, and promotional materials.
- **The 'Partner area' page** is accessible to METIS partners only. This platform allows all parts of the consortium share documents and work collaboratively. It also holds all key data including contacts, meeting outcomes and analyses of milestones achieved. All documents and files are saved and organised in one place and can be shared with any network at any time and from any location and device.

3.3.5 Other considerations

Browser compatibility: The website is compatible on all web browsers including Internet Explorer, Firefox, Safari, and Chrome. Irrespective of device screen size used, it modifies the layout so that it can be viewed on a desktop, tablet or mobile phone.

LGI to confirm later (tbc) whether Google Analytics will be used. In any case, a tool to monitor the website's KPIs will be implemented.

3.3.6 Social media: LinkedIn, ResearchGate

Professional social media accounts (Researchgate, LinkedIn) were created and will be updated by EDF targeting the scientific community.

LinkedIn

LinkedIn is an important collaborative tool in that it can boost the reputation of the project and widely promote project progress. A LinkedIn account was created in M3 (November 2020): www.linkedin.com/company/euratom-metis.

METIS+ Communication toolkit (web and communication, dissemination, exploitation & knowledge transfer plan)
D2.2 - Communication & Dissemination Plan Report

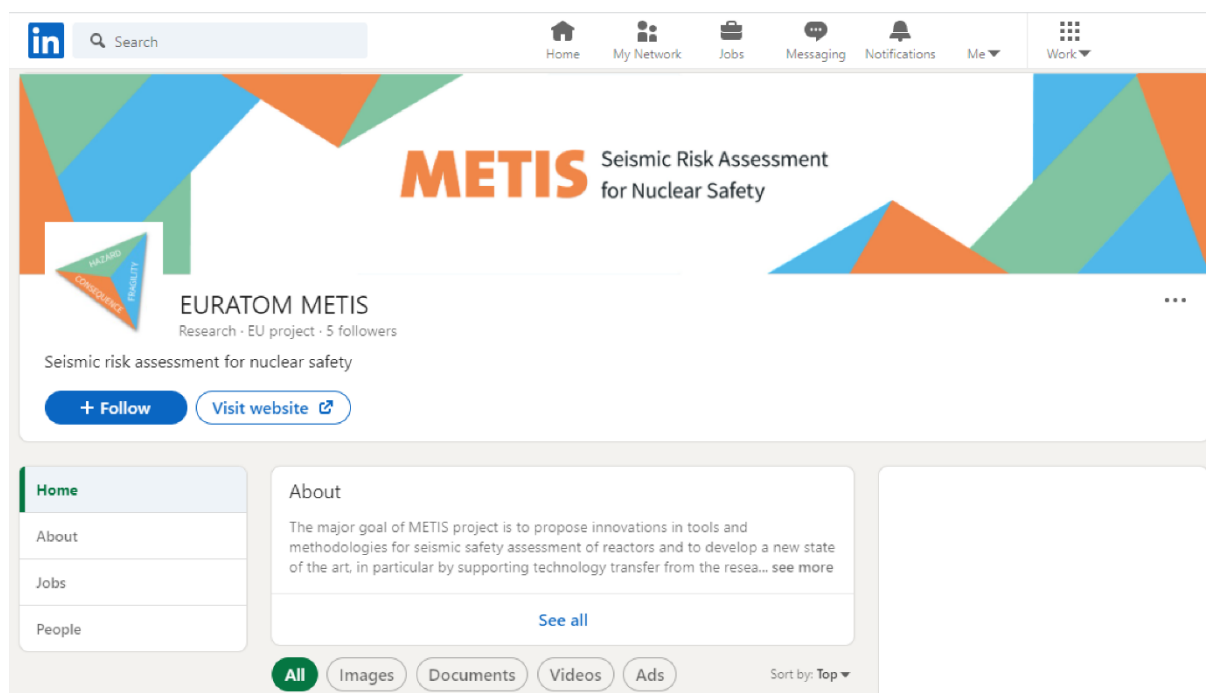


Figure 8: METIS LinkedIn page

ResearchGate

ResearchGate is a platform that enables the sharing of research, collaboration and support throughout different scientific communities. ResearchGate will allow the METIS project to engage with other scientists in the field and broadly disseminate results.

A [ResearchGate account](#) page created for METIS in M3 (November 2020) and currently has 22 followers.

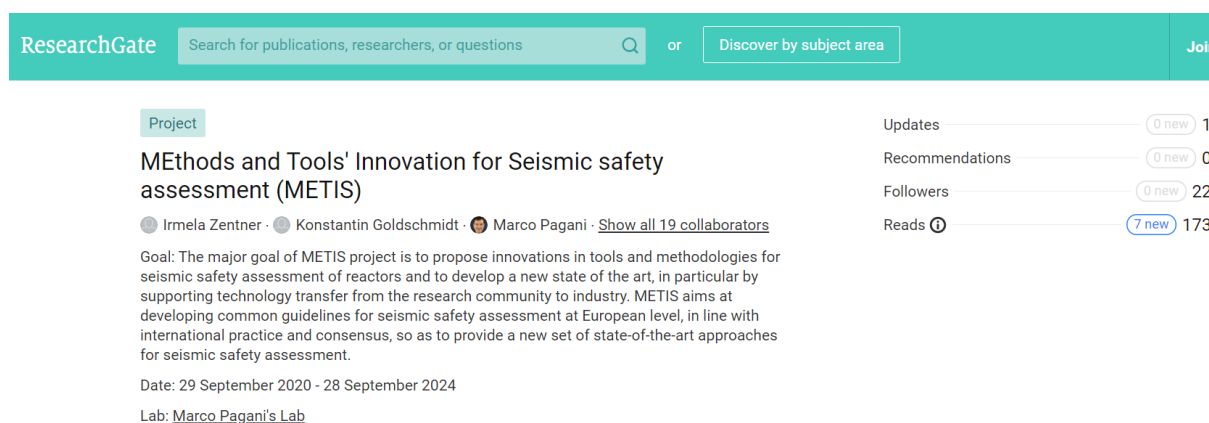


Figure 9: METIS ResearchGate page

Each communication's contact from each partner will also publish on their respective social media channels including LinkedIn and Twitter.



These social media accounts will be used to build the project's community online and disseminate project results. The two main objectives are to:

- maintain closer relationships and engage with the target audiences, as well as disseminate scientific knowledge
- bring the research carried out in METIS closer to the general public, and inform them on nuclear advanced tools and approaches

Main targets

The following targets have been initially identified to follow, like, share, mention and comment.

- Other related EU projects in nuclear safety and power plants
- EU institutions
- Associations or groups in the nuclear sector
- Nuclear utilities and end-users
- Nuclear regulatory authorities
- Industrials with a potential interest for nuclear safety and advanced tools
- EU policymakers
- Influencers in the nuclear safety sector
- General public
- International students

These professional social media accounts will serve as a channel to share any updates from the website including news and advertise events that will be attended by METIS partners or organised by the project and promote the content. The partners in charge of communication activities will follow closely any related content posted on other social media accounts and support its dissemination.

Main actions

The METIS professional social media accounts will be managed weekly.

The following objectives have been set:

- Once a week content will be published on the METIS website or related stories with appropriate or trending topics, including the link to posted content
- Reply to users who posted or mentioned @ResearchGate & @Euratom METIS
- Follow and engage communication with users who post using specific words that relate to METIS activities
- Track specific words, mentions and trending posts to be responsive, efficient and pro-active on the channel. Ensure that best practices for LinkedIn are adhered to.
- An FAQ document will be prepared and updated where necessary to cover technical questions (all partners contribute)

Hashtags

A first list of hashtags related to the METIS project has been established and will be used to increase the project visibility on LinkedIn.

General	Specific
#H2020	#METIS
#Horizon2020	#seismic
#researcheu	#safety
#nuclear	#advanced
#industry	#innovation
#powerplant	#fragility
#assessment	#hazard
#dissemination	#risk

Table 6: Hashtags

3.3.7 Newsletters

Yearly newsletters will be drafted and distributed by LGI to inform stakeholders of the project's progress. It will include a word from the coordinator, a highlight per work package, relevant news, relevant workshops and conferences.

3.3.8 Media

Press Releases

Mainstream and specialised media will be targeted, and press releases will be distributed to the identified stakeholders to promote and raise awareness of the METIS project.

A press release will be published at the beginning and the end of the project, both will be issued by UK Centre.

3.3.9 Events

Events will be an important aspect of the project, this can be a work package leader speaking at a conference or using posters to showcase the project. The results ascertained from these activities will be used to disseminate and later communicate about the knowledge gained aimed at key stakeholders. Attendance at other important meetings within the nuclear sector will also be encouraged to gain maximum exposure.

Other forms of participation include:

D2.2 - Communication & Dissemination Plan Report

- Papers and presentation in a conference
- Participation in a workshop or similar event.
- Posters presentation


Workshops and webinars are essential ways for the progress of the work program within the team and knowledge dissemination. Internal webinars will be organised alongside with international ones open to the community.

There will be three international events with physical attendance where the consortium partners and external experts will be able to present and exchange about the latest project related matters and findings. Workshop proceedings will be published and widely distributed through the website. The topics, locations and partners hosting the workshop envisaged so far are:

- Workshop on site specific PSHA and ground motion organised by GEM (provisionally Spring 2023)
- Workshop dedicated to advances in seismic PSA organised by TUK in Kaiserslautern (provisionally March 2024)

Event Management Plan

- An event management plan was created in Excel to collect and monitor information regarding various events that partners will attend throughout the duration of the project, plus the scientific papers that will be published in the framework of the project. The plan will be updated regularly.
- Promotional materials, including a flyer and a roll-up, will be designed, distributed and presented to promote the project at various events and conferences.

 **Events & Conferences**

Event	Dates	Location	Description	Website	Speech/Presentation topic	Have you promoted it on your social media? (include)	How many participants?	Which METIS partners participated?	Any other items of interest?
Example: EU Sustainable Energy Week	22-26 June 2020	Online	The EU Sustainable Energy Week (EUSEW) will take place 22-26 June 2020 under the theme: "Beyond the crisis: clean energy for green recovery and growth".	https://www.eusew.eu/	N/A	https://www.linkedin.com/posts/eusew_eusew-renewableenergy-energytransition-activity-6673749088865799504-54U	1	Names of partners	Held online this year, started with a European Youth Energy Day

Figure 10: METIS Event Management Plan

3.3.10 Final project workshop

A final workshop (Year 4) will be organised by METIS partner EDF to deliver a final scientific symposium at the end of the project, giving an overview of major scientific outcomes of the project at EDF Lab Paris-Saclay.



3.3.11 Scientific publications

To ensure a proper and wide dissemination of METIS's scientific and technical outcomes, the consortium partners will publish their results in journals and magazines in the nuclear and energy sectors. The UK Centre will coordinate the overall dissemination: identifying relevant events and coordinating the consortium's participation in submitting papers, presenting, promoting and disseminating the project's results at conferences, fairs, forums etc. The scientific communication through publications and communications within congresses/seminars/workshops will rely on all partners involved in technical WPs.

A first list of peer reviewed journals and relevant conferences has been identified:

Peer reviewed journals:

- Nuclear Engineering and Design
- Structural Safety
- Earthquake Spectra
- Earthquake Engineering and Structural Dynamics
- Reliability Engineering and Systems Safety
- Soil Dynamics and Earthquake Engineering
- Engineering Structures
- Probabilistic Engineering Mechanics
- Bulletin of Earthquake Engineering
- Ukrainian scientific journals: Nuclear Power and the Environment; Nuclear and Radiation Safety Journal
- ASCE Journal of Structural Engineering

Conferences:

- World Conference of Earthquake Engineering (WCEE)
- European Conference of Earthquake Engineering (ECEE)
- Structural Mechanics in Reactor Technology (SMIRT)
- International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN)
- European Safety and RELiability Conference (ESREL)
- Probabilistic Safety Assessment and Management (PSAM)
- EGU European Geoscience Union annual General Assembly
- Seismological Society of America (SSA) Annual meeting
- International Conference on Applications of Statistics and Probability in Civil Engineering (ICASP)
- International Conference on Structural Safety and Reliability (ICOSSAR)
- International Conference on Structural Dynamics (EURODYN)
- Technological Innovations in Nuclear Civil Engineering (TINCE)



3.3.12 European dissemination channels

All the official channels set up by the EU institutions will be used to disseminate METIS results. The following official EU dissemination channels will be targeted.

Magazines	Researcher results magazine	https://cordis.europa.eu/research-eu/fr
	Horizon EU Research and Innovation magazine	http://www.horizon-magazine.eu/
Portals	CORDIS	https://cordis.europa.eu/fr
	Horizon 2020 newsroom	https://ec.europa.eu/programmes/horizon2020/en/newsroom
	EU Science Hub	https://ec.europa.eu/jrc/en

Table 7: European dissemination channels

3.4 Key Performance Indicators (KPIs)

Channels	Target groups	KPIs
Website	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers General public International students	<ul style="list-style-type: none"> • Number of page views • Average time on page • % of new sessions
Newsletters	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers International students	<ul style="list-style-type: none"> • Number of subscribers



Media	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers General public International students	<ul style="list-style-type: none"> • Number of mentions in the media • Number of articles published about METIS
Events	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers International students	<ul style="list-style-type: none"> • Number of attendees
Final workshop	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers International students	<ul style="list-style-type: none"> • Number of attendees
Publications	International scientific community	<ul style="list-style-type: none"> • Number of papers published
EU channels	International scientific community Utilities and end-users Regulatory authorities and TSOs User industries EU policymakers General public International students	<ul style="list-style-type: none"> • Number of mentions • Number of articles / videos published about METIS

Table 8: KPIs



4 Exploitation and Knowledge Transfer Strategy

4.1 During the project

During the METIS project, a specific web-based database called FLEXX will be used for partners only so they can collaborate and save documents. It will hold any confidential data such as partner contact details, sensitive documents and attendees' details. Additionally, knowledge transfer will occur with the end-users' survey and exploitation of results from these surveys will ultimately be used for the handbook at the end of the project.

4.2 After the project

After the project, we will know its impact once the handbook becomes available for next generation of engineers. The UK Centre is responsible for the handbook task. This knowledge and its impact on new methods and guidelines in the industrial field will be measured by annual reports. The consortium will need to decide how long the website remains active and provide other ways international students can access materials from the project.

4.3 Training

The objective is to organise training sessions (on-site and on-line) on the scientific software which will use the technical outcomes of the project: models, methods, and methodologies.

Each year, summer schools, thematic training schools and regular software training sessions will be organised in different countries by the partners to disseminate results to practitioners and train a new generation of seismic safety engineers.

METIS international summer schools - The annual international METIS summer school are anticipated to take place in June or July. The duration of each summer school will be one week. The target audience are students (master and postgraduate) and early career engineers. MOOCs will be created and made available through the project website after the events. The lectures will be updated with new scientific input as the project progresses.

The locations and hosting partners are:

- Greece, NTUA in 2021
- Italy, GEM & IUSS in 2022
- University of Ljubljana, Slovenia in mid-2023
- Greece, NTUA in 2024

METIS thematic training schools

The METIS training schools are designed for national public, but the events are open to any person interested. They will be held in English language. The target audience are practitioners and young engineers.

- UL will organise a Training school for engineers in NPP and for Slovenian Nuclear Safety Administration and other interested groups (2023 or 2024)
- SSTC-NRS will organise a training school on PSA in Kiev (tentatively in M37)

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- UKC will organise a Training school on seismic analyses with code_aster in Manchester, UK
- TUK organises a Training school in Germany on seismic hazard, fragility (including DEE/BEPU) and risk (provisionally for August 2023)

Moreover METIS results will be disseminated through the regular code training sessions that are already organised by the partners:

- Code_aster Paris or Lyon, EDF, France
- Openquake in Pavia, GEM, Italy (jointly organized with the GEM & IUSS summer school)
- Opensees in Athens, NTUA, Greece

5 Conclusion

This document presented the detailed communication plan for the METIS project and the associated toolkit will be updated regularly. Its content and structure may evolve if necessary. The main objective is to maximise the impact of the project and boost the awareness of the results and milestones to be achieved during the project. Other communication materials (flyers, posters) will be prepared and disseminated depending on the requirements of the partners and upcoming METIS key events.