

BORIS

Cross **B**Order **R**ISK assessment for increased prevention and preparedness in Europe

Newsletter #3, September 2022

Welcome to the third BORIS newsletter! In this newsletter, we want to inform you about the project progress over the past months as well as future activities.

About the project

Funded by the Directorate-General for Civil Protection and European Humanitarian Aid Operations (DG ECHO), BORIS will develop a shared methodology for cross-border seismic and flood risk management.

The project area, the Eastern Alps, including the Italian – Slovenian-Austrian borders, as well as the region of South-Eastern Europe – is in fact characterized by strong seismicity and hydro-meteorological risks. To establish coordinated transboundary approaches able to assess and communicate those risks, BORIS will firstly do an overview of the existing methodologies for flood and seismic risk assessment in the countries involved (Italy, Slovenia, Austria, Turkey and Montenegro).

Based on such analysis, a shared methodology for single and multi-risk assessment will be developed to assess the expected impacts for single natural hazards and to do a comparison with multi-risk impacts in those transboundary regions. The strategy will be tested in some pilot sites. The project also aims to develop a platform for single and multi-risk assessment which will facilitate the visualization, storage, updating of data, models, documentation and the representation of damage and impact data following a common metrics approach.



Project partners

CI3R
CROSS

AFAD^{GR}

DCNA^{Austria}
Disaster Competence Network Austria

UCG

Univerzitet Crne Gore



University of Ljubljana

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Newsletter #3, September 2022

Timeline so far

- 01.01.2021 – official project launch
- 25.01.2021 – project kick-off meeting
- 25.06.2021 – BORIS leaflet published
- 31.08.2021 – submission of D2.1 Comparison of National Risk Assessment
- 16.09.2021 – synergy meeting with colleagues from the Trans-Alp project
- 17.11.2021 – presentation of BORIS at DRMKC 5th Annual Seminar
- 23.12.2021 – 1st BORIS newsletter
- 31.12.2021 – submission of D2.2 Data availability and needs and D3.1 Architecture of the platform
- 09.02.2022 – WP 4 results discussion
- 24.02.2022 – WP 5 kick-off
- 31.03.2022 – submission of D4.1 Guidelines for cross-border risk assessment and D4.2 State of the art of tools for seismic risk, flood risk and multi-risk assessment
- 29.04.2022 – 2nd BORIS newsletter
- 22.-23.06.2022 – 1st BORIS stakeholder workshop in Vienna, Austria
- 19.-20.09.2022 – 2st BORIS stakeholder workshop in Ljubljana, Slovenia

Deliverables so far

As the project is nearing its end, our list of deliverables is almost complete:

- [D2.1: Comparison of NRA](#)
- [D2.2: Data availability and needs for large scale and cross-border risk assessment, obstacles and solutions](#)
- [D3.1: Architecture of the platform](#)
- [D4.1: Guidelines for cross-border risk assessment: Shared framework for single and multi-risk assessment at cross-border sites](#)
- [D4.2: State of the art of tools for seismic risk, flood risk and multi-risk assessment](#)
- [D6.2: Workshops on multi-risk assessment on cross-border areas](#)

To learn more details about the project and what is happening in all work packages, we invite you to look at our publications and communication channels:

- [Read the first newsletter](#)
- [Read the second newsletter](#)
- [Check out our website here](#)
- [Check out BORIS on the UCPKN](#)
- [Follow us on LinkedIn](#)

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Newsletter #3, September 2022

Workshop in Vienna, Austria

22.-23.06.2022

Recap

On June 22 and 23, the BORIS consortium met at Vienna for their first in-presence workshop since the start of the project.

The meeting took place at the University of Natural Resources and Life Sciences in Vienna, organized and hosted by the DCNA. The purpose of the workshop was not just to be an extended internal project meeting but also to have external stakeholders on board to communicate project progress too but also to receive feedback and inputs.

The workshop started with an exercise and overview of competencies and skills of internal and external participants, followed by a presentation of project progress, including the BORIS platform for cross-border risk assessment. Joining us from the European Commission was Tiberiu-Eugen Antofie (JRC Disaster Risk Management Unit) who also provided insights into the Risk Data Hub.



Participants of the Austrian BORIS workshop

In the following interactive session, small groups discussed different aspects of the project, the platform, and future ideas for expanding the risk assessment methodologies and applications.

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Newsletter #3, September 2022

Workshop in Ljubljana, Slovenia

19.-20.09.2022



Participants of the Slovenian BORIS workshop

Recap

On the first day, the project was briefly presented to the external stakeholders of whom representatives of the Administration for Civil Protection and Disaster Relief of the Republic of Slovenia in turn also presented a case study on the 2022 Karst fires as well as international assistance, sparking a discussion of theory and practice in cross-border risks.

The internal project partner meeting started with the presentation on the general project progress review with an emphasis on activities to be done until the end of the project prepared by BORIS project coordinator Andrea Prota and Maria Polese from the CI3R. An overview of the objectives and BORIS project outcomes are presented by Maria Polese.

An update on available results and next steps related to ongoing work on the BORIS platform in WP3 was presented by Barbara Borzi from CI3R – EUCENTRE, including an overview of the platform's help section which has now been finished and translated to all partner countries' languages. One key discussion point was the clarification of the platform's target end-users.

Further project progress presentations included WP5 – pilot regions, were topics such as defining cross-border areas, collecting the input data on building stock and population and uploading input data on web-platform.

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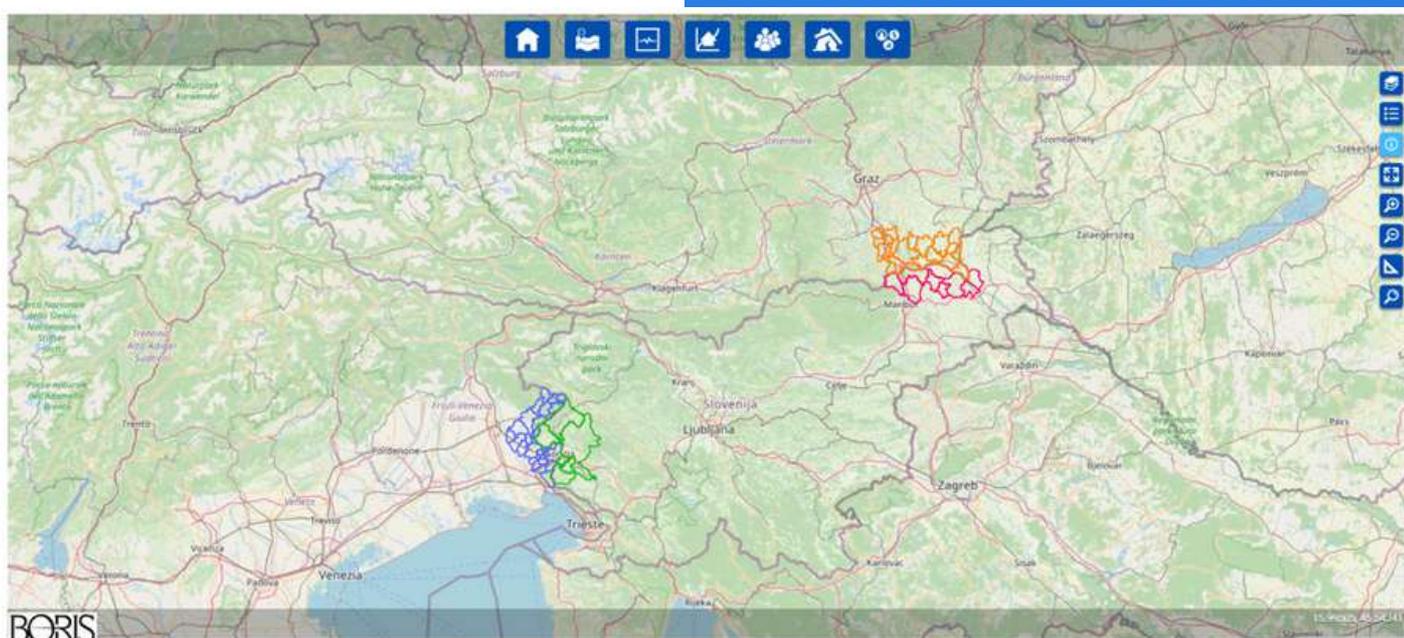
Newsletter #3, September 2022

BORIS platform for cross-border risk assessment

WP3

Current status

The base layers-building footprints and exposure data for each municipality are uploaded for Italian and Slovenian pilot sites. Data will be uploaded for the Austrian side in Pilot 2 in the next period. Hazard layers for both pilot areas and flood and earthquake are uploaded to the platform. Within the following steps, the vulnerability curves for the earthquake in the pilot 2 area will be uploaded since, at the time being, these curves are only missing data on vulnerability. Available results on earthquake damage and risk-impact indicators in Pilot 1 are uploaded and can be presented on a map and in tabular form. The same results on flood hazards for both pilots and earthquakes in Pilot 2 will be implemented as soon as their computation in WP5 is done. Risk curves for earthquakes and floods for each municipality will be uploaded in the following steps.



Screenshot of the BORIS platform

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Newsletter #3, September 2022

BORIS presented to the public



BORIS at IAHR in June



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Procedia

Structural Integrity

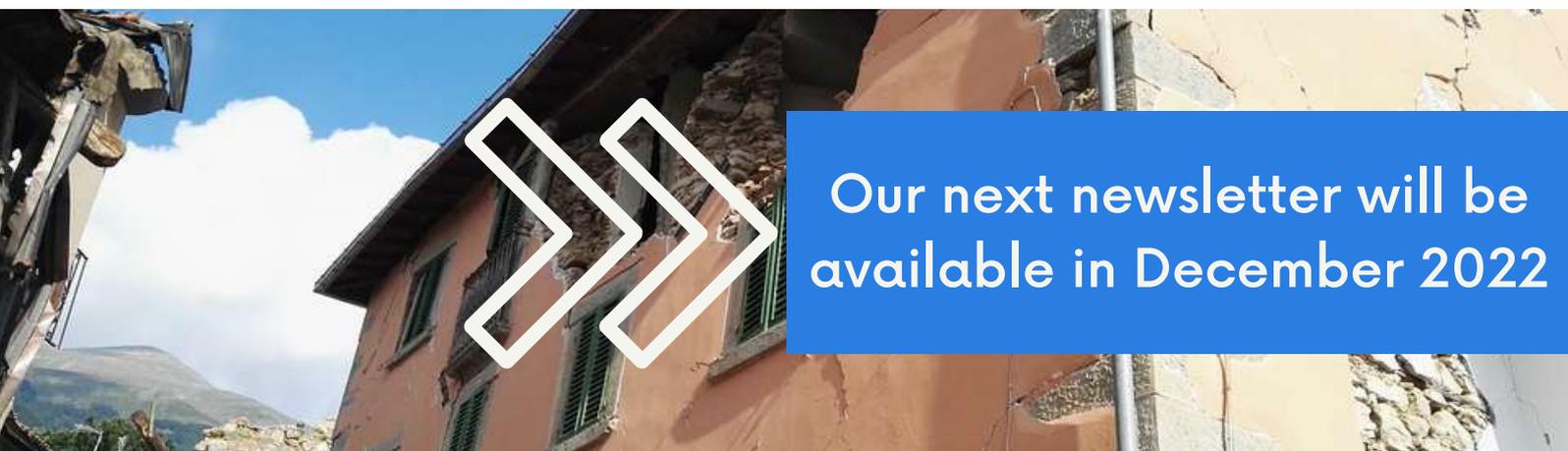
BORIS at XIX ANDIS conference and publication in Procedia Structural Integrity in September



BORIS at Natech in September

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Newsletter #3, September 2022



Our next newsletter will be available in December 2022



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Learn more about BORIS



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