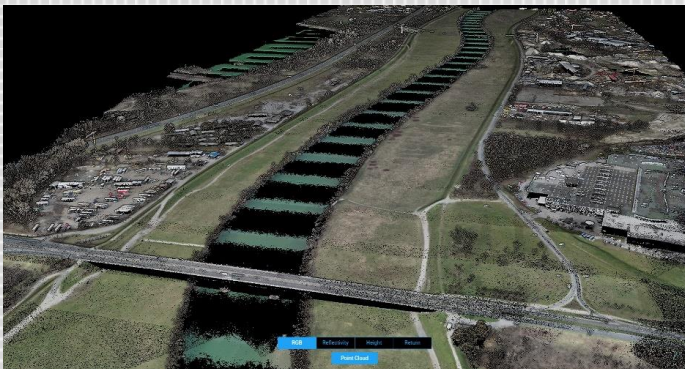


## Cross-border cascading risk management for critical infrastructure in Sava River Basin

### ACTIVITIES IN THE SECOND QUARTER OF THE PROJECT

The activities in the second 6-month period mainly evolved around Work Packages 2, 3 and 4. A review of existing National Risk Assessment documents to identify the shared cross-border hazards was performed to provide information necessary to produce Deliverable D2.1 'Report on the current cross-border physical hazard risk management'. Report contains the analysis of the existing Slovenia and Croatia NRAs and cross-border risk management practices for shared physical hazards (earthquake, flood, landslides), and considers best practice from Europe and worldwide with the aim of pinpointing good practices. An online questionnaire was developed with the aim to collect information for the assessment of the current cooperation and communication system between key stakeholders, mainly civil protection agencies and infrastructure managers in cross-border areas of Croatia and Slovenia regarding seismic and flood hazards. Based on the identified needs and communication gaps between key stakeholders, a cross-border Communication Compatibility matrix was developed to provide a more comprehensive insight into the needs and requirements of the first responders. The results of the survey were published in the Deliverable 2.2 'A Cross-Border Communication Compatibility Matrix for CIMs and CPAs'.



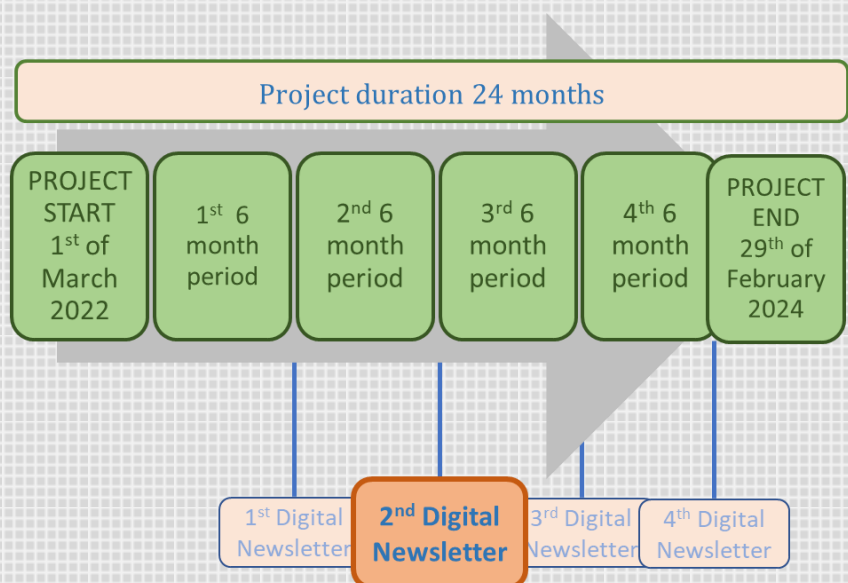
Point cloud model of the area from Jankomir to Podsused bridge in Zagreb

Critical infrastructure has been mapped along the Slovenia and Croatia cross-border area of the river Sava basin to establish an inventory. Lidar scanning of the cross-border area levees and transportation infrastructure has started, to fill the geometry attribute information gap from which the useful engineering information can be extracted.

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### PARTICIPANTS IN THE PROJECT



## 6-month PROJECT CONSORTIUM MEETING HELD IN SLOVENIA

6-Month consortium meeting was held on 20<sup>th</sup> and 21<sup>st</sup> of October 2022 at Šeruga Farmhouse, in the vicinity of Otočec ob Krki in Slovenia. The meeting was organized by ZAG, and all partners have participated in the meeting. The first day project partners discussed activities related to the cross-border hazard scenarios and communication matrix, while on the second day we have visited pilot project sites, which included bridges over Krka river and Hydro Power Plant on river Sava in Brežice.



## MEETING WITH HESS AT BREŽICE, SLOVENIA

November 16<sup>th</sup> 2022 meeting with the critical infrastructure owner, HESS Hydropower Plant in Brežice was held. The meeting started with a roundtable introduction of present consortium members and HESS. Partners from Croatia and Slovenia presented the CROSScade objectives and discussed hazard scenarios and event trees. An agreement about data sharing and project outcomes during the project has been established.

## MEETINGS WITH SAVA COMMISSION

CROSScade project was presented to representatives of Sava Commission on a meeting held on the January 24<sup>th</sup> 2023. CROSScade area of interest and the potential joint cooperation was discussed. An agreement was reached on the use of data from the Sava GIS and HIS systems as well as the HEC-RAS hydraulic model. Second meeting occurred on the February 23<sup>rd</sup> when CROSScade project (Faculty of Civil Engineering) was invited to the meeting of the Expert Group for Flood Prevention of the Sava Commission. The project was briefly presented and a request to collect data from Slovenia according to the Expert Group for GIS of the Sava Commission was formulated.

