# Identification, collection and preprocessing of available data sources and analysis of hazards, exposure, vulnerability and damage under the effects of the global climate change

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# 1. Technical references

| | |
|---|---|
| Project Acronym | RETURN |
| Project Title | multi-Risk sciEnce for resilienT commUnities undeR a changiNg climate |
| Project Coordinator | Domenico Calcaterra<br><br>UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II<br><br>domcalca@unina.it |
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| Dissemination level* | |
| Work Package | WP1.2 - Flood risk under environmental and climatic changes |
| Task | T1.2.1 – Monitoring and data |
| Lead beneficiary | UNIGE |
| Contributing beneficiary/ies | Giorgio Boni, UNIGE, Francesco Ballio POLIMI. |

\*    PU = Public

     PP = Restricted to other programme participants (including the Commission Services)

     RE = Restricted to a group specified by the consortium (including the Commission Services)

     CO = Confidential, only for members of the consortium (including the Commission Services)

## Document history

| Version | Date | Lead contributor | Description |
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| 0.1 | 03/11/2023 | Giorgio Boni UNIGE | First draft |
| 0.2 | 24/11/2023 | Marco Borga UNIPD | Critical review and proofreading |
| 0.3 | 29/11/2023 | Giorgio Boni UNIGE | Edits for approval |
| 1.0 | 30/11/2023 | Francesco Ballio POLIMI | Final version |

# 2. ABSTRACT

The Spoke VS1-Water is developing a number of outreach products / services for technological transfer of the knowledge developed within the research project. Such products will be demonstrated through the Digital Twin. This report includes sections related to monitoring and data management for two outreach products: ATLAS - nATional fLood informAtion System and NatFIM – National Flood Impact Model.

This report analyses the data structure for the two products, highlighting data sources, coverage, characteristics, possible criticalities.