

Leveraging knowledge and data to Prepare the Ground

Enhance the **availability, accessibility, reliability and usability of climate and non-climatic data**. This means:

- Exploring **best practices** of data collection and management in different regions and discuss in available platforms with peers or experts
- Keeping up-to-date and sharing access to **comprehensive databases** across different departments and administrations, from micro- to macro-regional levels
- Ensuring relevant data and information can be **accessed by all relevant stakeholders** and the general public (possibly, different levels of information are accessible to different stakeholder groups according to the needs)
- Where specific databases are not available at regional levels, getting familiar with and using **national and/or EU-scale open-source databases** (e.g. ESPON, Copernicus, DRMKC - Risk Data Hub, EM-DAT, Eurostat)
- Dedicating appropriate resources and involving different (public and private) data owners in the process of **production of climate information**
- Establishing a process to **cleansing data regularly**, ensuring integration across departments

Explore new technologies and methodologies to prepare the ground, and in particular:

- To **gather and visualise data and knowledge**, such as Artificial Intelligence and Machine Learning, Remote Sensing and Earth Observation, Big Data and Blockchains, Building Information Modelling and the Internet of Things
- To **map stakeholders** and gather information about them, such as online collaborative platforms and the Artificial Intelligence
- To conduct **climate risk and vulnerability assessments**, such as Artificial Intelligence softwares

