Horizon 2020 Dataset Description

Template: Horizon 2020
External References
      Data Repositories
      External Datasets
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      Services

Dataset Description

1 Data Summary

1.1 What is the purpose of the data collection/generation and its relation to the objectives of the project?

The main goal of the project is to develop a system for automated 4D reconstruction and mapping of an area of interest. The produced models are a valuable source of information for studying complex social and natural phenomena and they provide the ability to disseminate relevant scientific results to the general public. For this purpose multi-temporal, multi-modal and multi-scale Earth Observation and remote sensing data from various platforms and sensors will be used.

1.2 What types and formats of data will the project generate/collect?

The data types and formats that will be considered consist of a set of heterogeneous collections of observational data, in form of 2D images and GIS data (TIFF/geoTIFF, JPEG, SHP, KML) or multi-dimensional arrays.

1.3 Will you re-use any existing data and how?

Most of the data to be used came from public repositories. Some data will be acquired from surveys to be performed during the project.

1.4 What is the origin of the data?

The data are acquired from surveys performed by public organizations/institutions as well as private companies, complying to their privacy terms.

1.5 What is the expected size of the data?

Several Gigabytes per acquisition.

1.6 To whom might it be useful ('data utility')?

Several researchers and stakeholders operating in the Earth Observation domain.

2 FAIR Data

2.1 Making data findable, including provisions for metadata

2.1.1 Will you use metadata to describe the data?

Yes

DataCite Metadata Schema

2.1.3 Will your metadata use standardised vocabularies?
No

2.1.5 Will you make the metadata available free-of-charge?
Yes

2.1.6 Will your metadata be harvestable?
Yes

2.1.7 Will you use naming conventions for your data?
No

2.1.9 Will you provide clear version numbers for your data?
Yes

2.1.10 Will you provide persistent identifiers for your data?
Yes

2.1.11 Persistent identifiers
DOI

2.1.12 Will you provide searchable metadata for your data?
Yes

2.1.13 What services will you use to provide searchable metadata?
OpenAIRE

2.1.15 Will you use standardised formats for some or all of your data?
Yes

2.1.16 Which standardised data formats do you plan on using?
Keyhole Markup Language (XML)

2.1.19 Are the file formats you will use open?
all

2.1.22 Do supported open-source tools exist for accessing the data?
foralldata

2.1.25 Will you provide metadata describing the quality of the data?
No

2.2 Making data openly accessible
2.2.1 Are there ethical or legal issues that can impact sharing the data?
No

2.2.2 Will all your data be openly accessible?
all

2.2.5 How will the data be made available?

Zenodo, GitHub

2.2.7 Is the storage sufficiently secure for the data and does the storage provide backup and recovery procedures?

securewithbackupandrecovery

2.2.8 Are there any methods or tools required to access the data?

No

2.2.11 Will you also make auxiliary data that may be of interest to researchers available?

publication

2.3 Making data interoperable

2.3.1 Will you use a standard vocabulary for your data types?

all

2.4 Increase data reuse

2.4.1 When do you plan to make your data available for reuse?

after

2.4.4 What internationally recognised licence will you use for your data?

2.4.5 Do you have documented procedures for quality assurance of your data?

No

2.4.7 Will you provide any support for data reuse?

Yes

2.4.8 How long do you intend to support data reuse?

lessthantwoyears

2.5 Allocation of resources

2.5.1 How will the cost of making your data findable, accessible, interoperable and reusable be covered?

useofinstitutioninfrastructure

2.5.2 Will you identify a data manager to manage your data, if not who will be responsible for the management of your data?

No

2.5.3 Identify the people or roles that will be responsible for the management of the project data

Valsamis Ntouskos

2.5.4 How do you intend to ensure data reuse after your project finishes?

institutionalarchive

3 Data Security

3.1 What do you plan to do with research data of limited use

keptonsecure

4 Other

4.1 Do you make use of other procedures for data management?

No