CLARITY Data Survey Template

The CLARITY Data Survey Template is used to collect information on used and produced datasets according to the requirements of the CLARITY Data Management Plan with help of CLARITY's technical coordination site.

1. **Title**
2. **Responsible Party**
   Institution, contact person (name, telephone, email), author (if known), available expertise, tag if the data are external and Link to: Data Management (Here is meant to be listed only responsible partner within the project. For the external data where the data provider is outside of the Consortium, more information can be given in Data Management. The responsible partner should be able to have access (e.g. open data) or be in contact with the external data provider). You can also choose persons directly if they are members.

   2.1. **Responsible Party Role**
   Please describe the role of the CLARITY Responsible Party, e.g. responsible for collecting the data, responsible for storing the data

   2.2. **Responsible Party (CLARITY)**
   Here is meant to be listed only responsible partner within the project. For the external data where the data provider (owner) is outside of the Consortium, more information can be given in the Data Management section. The responsible partner should be able to have access (e.g. open data) or be in contact with the external data provider.

   2.3. **Responsible Person (CLARITY)**
   Here is meant to be listed only responsible person within the project.

3. **Data Provenance**
   Data provenance documents the inputs, entities, systems, and processes that influence data of interest, in effect providing a historical record of the data and its origins.

   3.1. **Provenance Description**
   Description of the process that led to the production of the current dataset. This includes: Input data (which input or other data are needed to produce this dataset) Links to Datasets (if possible) or external links to / description of external data Process or model (which process or model was / is used to process the input data and produce this data) Link to Model (if possible) or external link to / description of external model

   3.2. **External Datasets**
   Links to external data that was used as basis for the creation of the current dataset.

   3.3. **Internal Dataset**
   Links to internal Datasets (if possible) that were used for the production of the current dataset. If the current dataset is produced by a model ("model output"), the links would point to the "model input" datasets.

   3.4. **External Model**
   External link to description of external model that was used to produce the current dataset.

4. **Intended use**
   Where and how this this data can be used within the project.

   4.1. **Intended use description**
   How and for which purpose is the data used / produced in CLARITY? E.g. input for vulnerability models, which WP/Task, application (which pilot site or general application)?

   4.2. **Building Blocks**
   In which Building Blocks is the data used?

   4.3. **Relations to Building Blocks**
   Please describe the relation of the dataset to the selected Building Block(s). E.g. if the Building Block is a local climate model, the dataset might be input or output of that model.

5. **Data description**

   5.1. **Dataset information**
   Please provide the following information on
   a) title
   b) naming conventions used (e.g. $location_$params_YYYY-MM.DD.csv)
   c) short description,
   d) persistent and unique identifier such as Digital Object Identifiers (if available)

   5.2. **Parameter information**
   Parameter information (applies mainly to model input data): a) parameter name, b) unit, c) source type (e.g. model, observations), d) data type (e.g. gridded, point data, vector, shapefile, raster)

   5.3. **Coverage**
   Temporal and spatial coverage:
   a) region (e.g. EU, City of Stockholm)
   b) start time (e.g. 1961-01-01)
   c) end time (e.g. 2100-12-31)

   5.4. **Resolution**
   a) spatial (in m)
   b) temporal (e.g. hourly, daily)

   5.5. **CRS**
   Coordinate Reference System (CRS)

   5.6. **Storage**
   Please provide the following information related to the storage of the data:
   a) format(s) (e.g. NetCDF, ASCII, proprietary, to be defined, etc.)
   b) Version
   c) transfer size (GB)
   d) direct link(s) to datasets or Link to (Meta-) Data Repository

   5.7. **Metadata**
   a) keywords (e.g. for new datasets: will be selected from vocabulary specified under c)

   b) keywords vocabulary (e.g. ISO 19115, CUAHSI, to be decided, ...)
   c) Metadata Standard (e.g. CKAN, ISO 19115, custom, to be decided, etc.)

6. Data management

6.1. **Availability**
a) existing data
b) data will be produced in the CLARITY project
c) data will be reused/extended

6.2. **Owner**
Owner of the data if different from responsible partner or data is external

6.3. **Open Access**
a) yes
b) no
Why is / won't be the dataset openly available? (if previous answer is no).

6.4. **Access conditions**
a) license (e.g. CC-BY-SA, for research only, etc.)
b) ordering, costs
c) constraints, (e.g. software requirements, external expertise needed, …)
d) further restrictions on use (e.g. sensitive data, non disclosure, etc.)

7. **(Meta-) Data Repository**

7.1. **Data Repository Name**
Name of the Data Repository where the Data will be deposited (for open data produced by CLARITY) or can be downloaded (for data collected / used by CLARITY).

7.2. **Data Repository Description**
Description of the Repository (e.g. whether institutional with open access, public, internal service or database, deposit at zenodo.org, REST service, to be provided by CLARITY, etc.)

7.3. **Data Repository Link**
Link to data repository

7.4. **Data Repository Properties**
a) new (to be set up by CLARITY) or existing repository (YES/NO)
b) internal (provided by CLARITY or a partner) or external (e.g. zenodo.org) (YES/NO)
c) public or restricted (YES/NO)

7.5. **Data Repository Properties**
a) sustainability of the repository (e.g. in case of internal / partner repo, what happens after the end of the project?)
b) security (e.g. backups, replication, etc.)

7.6. **Data Repository Access**
a) access methods (e.g. type of client or application needed to access the repository, e.g. WMS client)
b) access documentation (e.g. API documentation available)
c) availability access software
d) access control and logging (e.g. no login required)