

CLIMAAX FSTPs Datasets

Instructions, examples & questions

Erika Meléndez-Landaverde
Universitat Politècnica de Catalunya

Online session
28th January 2026



Centre de Recerca Aplicada en Hidrometeorologia
UNIVERSITAT POLITÈCNICA DE CATALUNYA



CLIMAAX
climate ready regions



Co-funded by
the European Union

CLIMAAX Dataset Policy

Article 19 DISSEMINATION AND ACCESSIBILITY OF RESULTS

1. The Intellectual property rights (IPR) of the foreground of the Project **will remain property of the Beneficiary**, but the **deliverables will be public** and subject to open access documents, and **the results obtained by the Project will be publicly available**.
2. Dissemination is the public disclosure of the results by appropriate means, other than resulting from protecting or exploiting the results, including by publications in any medium. The Beneficiary must disseminate its results as soon as feasible, in a publicly available format, subject to any restrictions due to the protection of intellectual property, security rules or legitimate interests.



CLIMAAX Dataset Policy

Article 19 DISSEMINATION AND ACCESSIBILITY OF RESULTS

3. In order to enrich the databases and knowledge about climate change effects in Europe, **the applicants will share the regional/local data used in their work and the results obtained with the DRMKC Risk Data Hub of the Joint Research Centre (RDH)**. The RDH will then review data and build a bespoke “user corner” for the CLIMAAX project. This only applies to data not restricted by privacy or other legal



**Risk
Data
Hub**

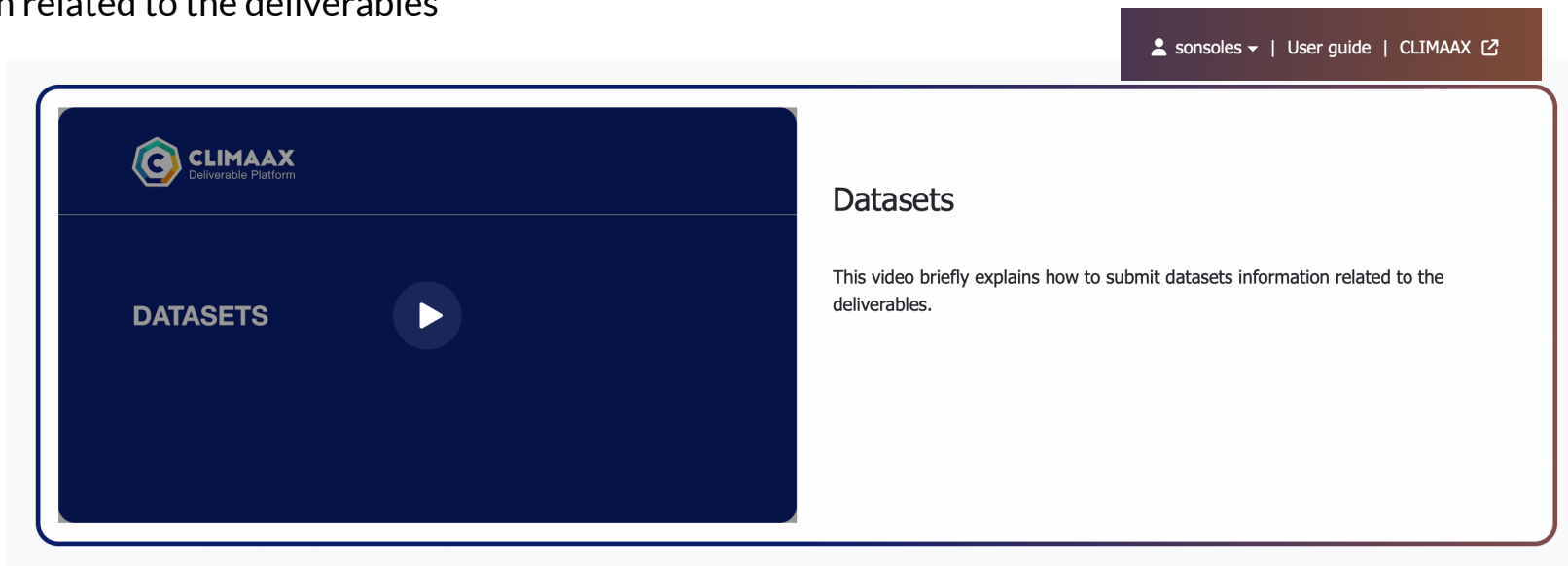


The CLIMAAX project is funded by the European Union under Grant agreement ID 101093864. This publication was funded by the European Union. Its contents are the sole responsibility of the author(s) and do not necessarily reflect the views of the European Union.



CLIMAAX Dataset window – Platform

In the platform, go to the section user guide (left upper corner) for videos on how to submit the dataset information related to the deliverables



CLIMAAX Dataset window – What type of entries?

Based on FAIR policies (Findable, Accessible, Interoperable and Reusable), every dataset your team has used to carry out your local climate risk assessment must be indicated in the deliverables and in the platform. This includes datasets of:

Hazard

Exposure

Vulnerability

Risk



CLIMAAX Datasets– What is required?

Required

- Listing all datasets used. If not uploaded to Zenodo, share the public link of the provider
- Sharing all RAW data produced/modified by the project (Jupyter notebook + outputs)
- Clear metadata (technical description) for each dataset

NOT Required

- Uploading (ERA5/CDS/CMIP/CORDEX) raw datasets
- Uploading data already publicly recognised and available elsewhere

If you used it



list it!

If you produced/modified it



share it!



CLIMAAX Datasets– What is required?

A dataset entry is:

- ERA5 total precipitation (*ECMWF/CDS*)
- Local gauge rainfall data for Barcelona, Spain (*agency + period*)
- River discharge for the Tordera river (*name + provider*)
- Rainfall return periods based on EURO-CORDEX for Łódź (*ECMWF/CLIMAAX workflow/period*)
- OpenStreetMap buildings layer, CORINE Land Cover
- **Local** population grids, depth-damage curves, Crop/agricultural information, building type/class information, socioeconomic indicators, observed yield loss, land use (*agency*)

What is NOT a dataset entry:

- Workflow names: “*River Floods – Risk*” or “*Wildfire – Exposure*”



CLIMAAX Datasets– What is required?

Each dataset entry should clearly state in the name:

- Full Dataset name, including when necessary:
 - Variables used
 - Temporal window (baseline/future)
 - Scenario (e.g., historical, RCP 8.5)
- Provider/source

Generic labels do not allow verification

Name	Category	Deliverables	Zenodo URL / URL	Public access	Restricted access reasons	
Municipal building cadastre in Girona Spain. Building use and construction year, 2022 (Municipal GIS portal)	Exposure	Deliverable 2	URL	✗	The raw data has been provided by the municipality and is subjected to confidentiality agreements	Edit
OpenStreetMap building footprints: Girona municipality, extracted 2024-01	Exposure	Deliverable 2 , Deliverable 1	URL	✓		Edit
EUEURO-CORDEX RCM precipitation projections – RCP8.5, 0.11°, 2041–2070, Łódź region (ECMWF & CLIMAAX project)	Hazard	Deliverable 2 , Deliverable 1	URL	✓		Edit
Change in mean daily precipitation (%) – EURO-CORDEX RCM ensemble, RCP8.5, 2041–2070 vs 1981–2010, Girona municipality	Risk	Deliverable 2	Zenodo URL	✓		Edit
Agricultural drought index (SPI-3) for wheat, maize and sunflower – Terrassa, historical period 1981–2010	Risk	Deliverable 2	Zenodo URL	✓		Edit
Flood depth–damage curves for residential buildings in Spain (IDESCAT)	Vulnerability	Deliverable 2 , Deliverable 1	URL	✓		Edit




The CLIMAAX project is funded by the European Union.
Its contents are the sole responsibility of the project.

CLIMAAX Datasets– What is required?

Public vs restricted access datasets

- **Project-generated and post-processed** results/datasets must be shared publicly
- External or license-sourced input datasets may be restricted, but **must be listed and documented**
 - Include a justification if access is restricted, with the URL link of the source
 - We will revise case by case to explore alternatives (post-processing)

Name	Category	Deliverables	Zenodo URL / URL	Public access	Restricted access reasons	
Municipal building cadastre in Girona Spain. Building use and construction year, 2022 (Municipal GIS portal)	Exposure	Deliverable 2	URL		The raw data has been provided by the municipality and is subjected to confidentiality agreements	Edit



CLIMAAX Datasets– Mistakes to avoid

- Listing hazards instead of datasets “Heavy rainfall – hazard”
- Assuming notebooks replace dataset documentation
- Uploading only PDFs or figures
- Not providing the source of local data

Name	Category	Deliverables	Zenodo URL / URL	Public access	Restricted access reasons	
Municipal building cadastre in Girona Spain. Building use and construction year, 2022 (Municipal GIS portal)	Exposure	Deliverable 2	URL	✗	The raw data has been provided by the municipality and is subjected to confidentiality agreements	Edit
OpenStreetMap building footprints: Girona municipality, extracted 2024-01	Exposure	Deliverable 2 , Deliverable 1	URL	✓		Edit
EUEURO-CORDEX RCM precipitation projections – RCP8.5, 0.11°, 2041–2070, Łódź region (ECMWF & CLIMAAX project)	Hazard	Deliverable 2 , Deliverable 1	URL	✓		Edit
Change in mean daily precipitation (%) – EURO-CORDEX RCM ensemble, RCP8.5, 2041–2070 vs 1981–2010, Girona municipality	Risk	Deliverable 2	Zenodo URL	✓		Edit
Agricultural drought index (SPI-3) for wheat, maize and sunflower – Terrassa, historical period 1981–2010	Risk	Deliverable 2	Zenodo URL	✓		Edit
Flood depth–damage curves for residential buildings in Spain (IDESCAT)	Vulnerability	Deliverable 2 , Deliverable 1	URL	✓		Edit



The CLIMAAX project is funded by the European Union. Its contents are the sole responsibility of the project.

CLIMAAX Datasets– Our main goal!

We want to:

- Understand regional implementations
- Generate cross-region statistics
- Showcase regional work at EU level within the Risk Data Hub



**Risk
Data
Hub**

What we expect from regions?

- List all datasets used
- Share all RAW data produced/modified
- Document clearly in the dataset window
- Flag any legal or privacy restrictions early



CLIMAAX
climate ready regions



CLIMAAX Datasets– FAQ

- If you share a post-processed dataset from a public or restricted dataset source:
 - Write in the name that is post-processed from the original dataset (name and source) . You can use the restricted access reasons field to explain it further
 - If needed, create individual entries, one for the original dataset (not shared) and the other for the post-processed (shared in Zenodo)
- If large amounts of data hinder the submission in Zenodo:
 - Contact us to explore the alternatives or to assess your individual case. Remember that large publicly available datasets (RAW CORDEX precipitation) are not necessary.
- If URL links for public datasets are not available (APIs)
 - Shared the link of the public agency where the data is coming from. You can use the restricted access reasons field to elaborate. As a rule of thumb, **always aim to share local public datasets in Zenodo!**
- Doubts on what can be shared publicly?
 - Send us an email to assess your case and explore alternatives as soon as possible!
- Regarding the Jupyter notebooks
 - We encourage you to share all the valuable work you have done in Jupyter notebooks, along with the improvements you have made! We understand that some might not be ready for widespread use. Don't worry at this stage! Later on, we will explore alternatives to make them publicly available if deemed necessary.

CLIMAAX Datasets– FAQ

- Zenodo's public information
 - Everything that you have used to generate your results must be listed in the dataset window, regardless of whether you have uploaded it to your Zenodo.
 - In case a dataset is not public, you can still upload it to Zenodo so reviewers can replicate/verify your results. However, please flag this in the dataset window as “**restrictive access**”.
 - We encourage you to submit post-process datasets as an alternative to non-public datasets. If you have any questions on this matter, please send us an email to the FSTP coordination to assess your individual case
- Individual dataset entries
 - Everything used (input, post-processed, generated) in your project must be listed in the dataset window, and shared when applicable.
 - **If generated/post-processed –> list and share it!**
 - **If used as an input:**
 - If it's local data with no restrictive access, **list and share it**. As a rule of thumb, **always aim to share local public datasets in Zenodo!**
 - If it's local data with restrictive access and not post-processed, list and specify the restriction. We will contact you to explore alternatives if no post-processed dataset has been included.
 - List only EU-wide public datasets (e.g., CORDEX, ERA5, CORINE). Post-processed information coming from these datasets, e.g., (IDF rainfall curves bias corrected with ERA5), share them and list them

CLIMAAX Datasets– FAQ

- Dataset category
 - Each individual workflow has been divided into Hazard and Risk. If you list an output from running the workflows, categorise it based on the Jupyter notebook used to generate it.
 - If it's a vulnerability/exposure dataset prepared or post-processed using the workflows, categorise it as an exposure or a vulnerability dataset based on the output's nature.
- Deadline for datasets entries
 - **As soon as possible!** The FSTP coordination team will begin revising ART19 (from the sub-grant agreement) compliance in the next few days of February, so we encourage you to fill in any missing information to avoid future delays.
 - The hard deadline is the 26th of February 2026
 - If you have any questions, please do not hesitate to contact us to explore alternatives/assess your case