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ACCREU
Assessing
Climate Change
Risk in Europe

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Internal reviewer:	e.g. WP leaders, coordinator

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1. Changes with respect to the DoA

The title of the deliverable was updated to “**ACCREU Data Catalog**” to better reflect the final scope and function of the resource. This change in terminology does not affect the objectives, scope or content of the deliverable as described in the DoA.

2. Dissemination and uptake

The ACCREU Data Catalog is designed for use by project partners and by external researchers, policy analysts, stakeholders and other users interested in climate-change impacts, adaptation and associated economic and biophysical evidence. It brings together public datasets released through the IIASA Accelerator and established research repositories, including Zenodo, and provides direct links to the underlying data and associated metadata. The datasets can support further research and modelling, and the development of subsequent climate impact and adaptation assessments.

3. Short Summary of results (<250 words)

The ACCREU Data Catalog provides a central public entry point for discovering and accessing quantitative datasets generated through ACCREU's assessment of climate-change impacts and adaptation.

The catalog utilizes IIASA's Accelerator platform as the project's collaborative data infrastructure and defines a pathway for releasing project datasets through public repositories such as Zenodo.

The resulting ACCREU Data Catalog provides a common interface to navigate and download various project datasets covering agriculture and land use, water, ecosystems and biodiversity, energy, labor, health, coastal impacts, wildfire and the economy. It connects datasets maintained through the IIASA Accelerator with publicly archived datasets in Zenodo, and identifies associated ACCREU deliverables and case studies where applicable.

The catalog therefore provides a persistent and accessible entry point to ACCREU's quantitative evidence base, supporting data discovery, transparency, citation, reuse and continued access beyond the lifetime of the project.

4. Evidence of accomplishment

Primary evidence: Public ACCREU Data Catalog: <https://iiasa.github.io/ACCREU/>

Supporting evidence: ACCREU Webpage: <https://www.accreu.eu/data-catalog/>

Supporting infrastructure: IIASA Accelerator: <https://accelerator.iiasa.ac.at/>

ACCREU DATA Catalog

Executive Summary

The **ACCREU Data Catalog** brings together publicly available datasets produced across the ACCREU project. The datasets have been generated through ACCREU modelling activities, impact assessments, and case studies.

The catalog builds on the data infrastructure developed and maintained throughout the project through the **IIASA Accelerator**, which has supported data exchange among the 15 ACCREU partners. As datasets have been finalized for public release, the catalog makes the datasets discoverable through a common interface, by including datasets hosted through the IIASA Accelerator and persistent research repositories such as Zenodo.

The ACCREU Data Catalog can be accessed by the following link: <https://iiasa.github.io/ACCREU/>.

Figure 1 provides a screenshot of the ACCREU Data Catalog as of September 2026, illustrating the public interface through which users can discover ACCREU datasets and access the underlying data through the relevant repositories. Each dataset is presented with a direct access button linking to its corresponding Zenodo record or, for datasets that are not yet publicly available due to embargoes or other access restrictions, an option to request access from the team providing the dataset.

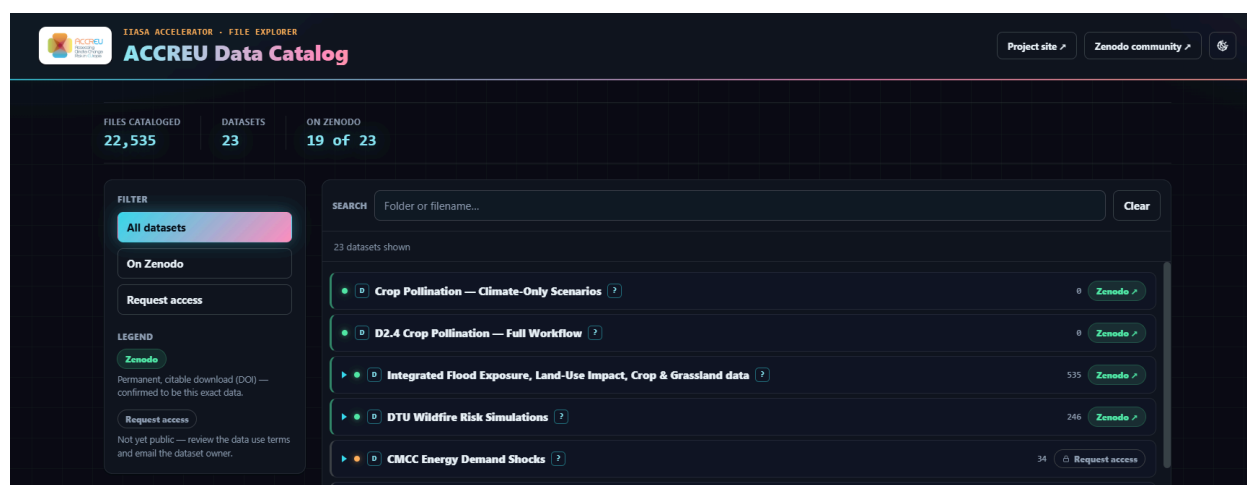


Figure 1 ACCREU Data Catalog, September 2026. The public catalog provides a common interface for discovering ACCREU datasets and accessing the underlying data through the relevant repositories.

5. Catalog implementation

The ACCREU Data Catalog implements the public-access approach developed under Milestone 5.2, which established the IIASA Accelerator (<https://accelerator.iiasa.ac.at/>) as the project's shared data infrastructure and defined a pathway for moving validated datasets from the internal project repository to persistent public repositories. From this we developed a public-facing landing page of the Data Catalog which provides a curated overview of available datasets and direct access to the underlying records. More broadly, the ACCREU Data Catalog supports ACCREU's commitment to Open Research Data by making project datasets and associated resources openly accessible, discoverable and reusable by the wider scientific and modelling community.

Throughout the project, the IIASA Accelerator has supported the management and exchange of data among ACCREU partners. By the end of September 2026, the underlying ACCREU data infrastructure in the IIASA Accelerator contained 22,535 files associated with datasets and modelling activities across the consortium.

Datasets are curated and documented and, once ready for public release, are published through the appropriate public repository and incorporated into the Data Catalog with links to the corresponding data and metadata records. This process helps ensure that datasets are accompanied by the information needed to understand their content, provenance and modelling context, supporting their interpretation and reuse beyond the original project activities.

The public Data Catalog acts as a common discovery layer rather than duplicating datasets in a new repository. Individual catalog records provide a dataset title and description, information on the available data, links to the repository from which the files can be accessed or a contact link to ask for the required access. Where applicable, records also identify the ACCREU deliverables and case studies that the datasets support, helping users connect the underlying data with the corresponding project activities and results. This allows datasets produced by different partners and modelling activities to be accessed through a single project-level interface while retaining links to their original data sources, making it easier for users to identify and connect related research outputs across the project.

For long-term public access, datasets are increasingly published through persistent repositories, particularly the ACCREU Zenodo Community. The Zenodo workflow supports standardized metadata, persistent DOI and version information, licensing, and information on data provenance and modelling context. This approach supports the continued discovery, citation and reuse of ACCREU datasets beyond the project.

ACCREU Zenodo Community:

<https://zenodo.org/communities/accreu-project/records>

6. Data coverage

The catalog reflects the broad range of climate-impact and adaptation assessments undertaken within ACCREU. Available datasets cover major sectors and impact domains addressed by the project, including:

- agriculture and land use;
- water resources and water demand;
- ecosystems and biodiversity;
- energy;
- labour and health;
- coastal impacts;
- wildfire; and
- economic impacts.

The datasets span different geographical and spatial scales, from global and regional (European) to national, subnational and case-study applications. They also represent different components of the ACCREU modelling framework and therefore include both physical and biophysical impact data and socioeconomic and economic modelling results. The catalog includes underlying and intermediate

datasets used across ACCREU modelling activities, as well as resulting impact and adaptation outputs. Input datasets include climate forcing data, hydrological simulations and additional scenario data used across ACCREU modelling activities.

Examples include the GLOBIOM climate-impact and adaptation scenarios, crop and pollination impacts, water availability and water demand projections, energy-demand and labour-productivity shocks, wildfire simulations, coastal impacts, and other datasets generated to support ACCREU sectoral and economic assessments.

Where datasets directly support ACCREU deliverables, this relationship is identified in the catalog. For example, datasets supporting **ACCREU Deliverable 2.2** include GLOBIOM climate-impact and adaptation results and water-related datasets, while datasets generated through the crop-pollination assessment and wildfire risk are identified in relation to **ACCREU Deliverable 2.4**.

As of 28 September 2026, the public ACCREU Data Catalog contained 24 dataset records.

7. Status and continued availability

At the time of this deliverable, the ACCREU Data Catalog is publicly available and populated with datasets produced across the project. Additional records will be incorporated as remaining ACCREU datasets are finalized and released toward the end of the project lifetime.

The Data Catalog also links to the COACCH Data Repository (<https://iiasa.github.io/COACCH/en/master/index.html#coacch-data-repository>) as a legacy resource, that provides access to outputs from an earlier project with a similar climate impact focus and substantial overlap in participating partners, thereby reflecting continuity with ACCREU.

The combination of the ACCREU Data Catalog, the IIASA Accelerator infrastructure and persistent public repositories such as Zenodo provides a mechanism for maintaining access to ACCREU data beyond the lifetime of the project. These resources connect ACCREU's scientific deliverables and outputs with the underlying datasets and provide a basis for their continued discovery, citation and reuse. Potential uses include future research and modeling, comparison and validation of results, and the use of ACCREU outputs in subsequent climate impact and adaptation assessments.