



Overview of the status* of CORDEX-CMIP6/7

12 May 2026

Contact: Jesus.Fernandez@ifca.es



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12 May 2026

(*) information is only as good as you keep it updated

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Central CORDEX resources

provide a global view of the CORDEX activity. They are cross-Domain coordination tools to inform about their achievements in a uniform way. Open to be tailored for the different activities.

Website: <https://cordex.org>

Zenodo: <https://zenodo.org/communities/wcrp-cordex>

Slack: <https://cordexgroup.slack.com>

Zotero: <https://www.zotero.org/groups/5816477/wcrp-cordex/library>

Github: <https://github.com/WCRP-CORDEX>



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All CORDEX POCs/leads should have an account
and let the TTPI know about it



Task Team on CORDEX-CMIP7 Protocol and Infrastructure (TTPI)

Jesus.Fernandez@ifca.es, [Dominique Paquin.Dominique@ouranos.ca](mailto:Dominique.Paquin.Dominique@ouranos.ca),
Moetasim Ashfaq, Pascal Bourgault, Swen Brands, Lars Buntemeyer,
Tereza Cavazos, Moutassem El Rafei, Lluís Fita, Graziano Giuliani,
Jose González-Abad, Bo Huang, Seth McGinnis, Pierre Nabat, Carlos E. Navarro,
Marco Reale, Álvaro Salazar, Claas Teichmann, Bridget Thrasher, Yi-Chi Wang

Contact by mentioning [@WCRP-CORDEX/cordex-ttpi](https://github.com/WCRP-CORDEX/cordex-ttpi) on GitHub

TTPI update

2026-05-12

- CORDEX-CMIP6 DR: new release upcoming to accommodate regional ocean vars
- CVs on esgvoc for [CORDEX-CMIP5](#), [CORDEX-FPSCONV](#), [CORDEX-CMIP6](#) (sync pending)
- New archive specs (v3) to be released this week
 - See [milestone](#) and [branch](#)
 - Mainly to accommodate existing practices (e.g. ocean modelling) and minor bug fixes
 - File chunking/repack discussion ([archive-specifications#38](#))
- Collection of ESGF nodes hosting CORDEX-CMIP6 data
 - Estimated size: 12-14 PB
 - [Survey](#) for CORDEX modellers and ESGF node managers
 - https://wcrp-cordex.github.io/simulation-status/CORDEX_CMIP6_esgf_nodes.html



- CORDEX data citation
 - [Meeting on 2026-04-28](#)
 - Info to be collected from esgvoc. Granularity still t.b.d.
 - Author info collection still t.b.d. (Most likely collect only primary author GitHub usernames and let them modify the entries)
- CORDEX data publication meetings:
 - Some regular meetings with DKRZ, SMHI and IPSL
 - ORNL on 2026-04-15
 - CEDA / CINECA on 2026-05-11
- LLNL made successful CORDEX-CMIP6 publication test. Waiting for others to do additional test publications
- DRS and specs are very similar to CMIP6 (main diff: driving_source_id & domain_id)
- LLNL is also working on the ESGF-NG UI to support these differences

Github CORDEX resources



Organization

- <https://github.com/WCRP-CORDEX>

Discussion forum

- <https://github.com/orgs/WCRP-CORDEX/discussions>

Some repositories

- <https://github.com/WCRP-CORDEX/experiment-design>
- <https://github.com/WCRP-CORDEX/archive-specifications>
- <https://github.com/WCRP-CORDEX/data-request-table>
- <https://github.com/WCRP-CORDEX/cordex-cmip6-cv>
- <https://github.com/WCRP-CORDEX/simulation-status>
- <https://github.com/WCRP-CORDEX/cmip6-for-cordex>
- <https://github.com/WCRP-CORDEX/cmip7-for-cordex>
- <https://github.com/WCRP-CORDEX/cordex-guidelines>
- <https://github.com/WCRP-CORDEX/publications>



We need you!



There is **A LOT** going on in CORDEX at the moment

Check [here](#) and contribute!

All feedback is welcome to shape the upcoming CORDEX

We need you!



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Zotero

- Open source bibliographic tool
- WCRP-CORDEX library to gather all CORDEX publications
<https://www.zotero.org/groups/5816477/wcrp-cordex/library>
- Individual collections for each CORDEX activity
- Each activity can freely self-organize into subcollections
- Web interface and desktop integration
- Add all publication details by providing just the DOI
- Publication list can be tailored to your own needs

<https://www.zotero.org/groups/6548876/cordex-coordinated-analyses/library>



The screenshot shows the Zotero web interface. The browser address bar displays `www.zotero.org/groups/5816477/wcrp-cordex/collections/NCAHYN76/ite`. The left sidebar contains a tree view of collections, with `CORDEX-FPS-URB-RCC` selected. The top toolbar includes an 'Add Item' icon circled in red. The main table lists items with columns for Creator, Year, Publication Title, Title, Date Added, Date Available, and Author. The selected item is by Diez-Sierra et al. (2025) titled 'A global CORDEX-based dataset delineating urban areas and their surroundings to assess climate change in megacities'. The bottom section shows the item's details, including its type (Journal Article), title, authors (Diez-Sierra, Javier; Quintana, Yaiza; Langendijk, Gaby S.; Milovac, Josipa; Demuzere, Matthias; Nogherotto, Rita; Pietikäinen, Joni-Pekka; Rechid, Diana), and an abstract.

Creator	Year	Publication Title	Title	Date Ad...	D...	A...	
Diez-Sierra et al.	2025	Scientific Data	A global CORDEX-based dataset delineating urban areas and their surroundings to assess climate change in megacities	22/12/2...	22...	je...	

Info Notes Tags Attachments Related [Show Empty Fields](#)

Item Type: Journal Article

Title: A global CORDEX-based dataset delineating urban areas and their surroundings to assess climate change in megacities

Author: Diez-Sierra, Javier

Author: Quintana, Yaiza

Author: Langendijk, Gaby S.

Author: Milovac, Josipa

Author: Demuzere, Matthias

Author: Nogherotto, Rita

Author: Pietikäinen, Joni-Pekka

Author: Rechid, Diana

Abstract

Abstract

We present a global dataset of urban areas and their rural surroundings, developed within the framework of the CORDEX Flagship Pilot Study on Urban Environments and Regional Climate Change. The dataset is derived from model-specific urban fraction variables and additional static inputs. Urban and rural surrounding areas are delineated using Regional Climate Model (RCM) simulations from the global CORDEX-CORE and European EURO-CORDEX initiatives, focusing on a representative set of megacities worldwide. The analysis was conducted at horizontal resolutions of 25 km globally and 12.5 km for Europe. To facilitate future applications, we provide a Python-based workflow that can be extended for the analysis of additional cities and RCMs, including tools for evaluating the urban climate island effect. The

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zotero

www.zotero.org/groups/5816477/wcrp-cordex/collections/NCAHYN76/ite

Search: Title, Creator, Year

Enter a URL, ISBNs, DOIs, PMIDs, arXiv IDs, or ADS Bibcodes to add to your library:

https://doi.org/10.1016/j.uclim.2024.102165

Info Notes Tags Attachments Related Show Empty Fields

Item Type: Journal Article

Title: A global CORDEX-based dataset delineating urban areas and their surroundings to assess climate change in megacities

Author: Diez-Sierra, Javier

Author: Quintana, Yaiza

Author: Langendijk, Gaby S.

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Zotero

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Creator	Year	Publication Title	Title	Date Ad...	D...	A...	
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Langendijk et al.	2024	Urban Climate	Towards better understanding the urban ...	4/2/202...	4/...	je...	

Below the table, there are tabs for "Info", "Notes", "Tags", "Attachments", and "Related". The "Info" tab is selected, showing details for the selected item:

- Item Type: Journal Article
- Title: Towards better understanding the urban environment and its interactions with regional climate change - The WCRP CORDEX Flagship Pilot Study URB-RCC
- Author: Langendijk, Gaby S.
- Author: Halenka, Tomas
- Author: Hoffmann, Peter
- Author: Adinolfi, Marianna
- Author: Aldama Campino, Aitor
- Author: Asselin, Olivier
- Author: Bastin, Sophie

On the right side of the "Info" tab, there is a section for "Add abstract...". On the left side, there is a sidebar with a tree view of collections, including "CORDEX-FPS-URB-RCC" which is currently selected. At the bottom left, there is a "Filter Tags" input field.