

Project: **1369**

Project title: **WCRP CORDEX Flagship Pilot Study: “URBan environments and Regional Climate Change (FPS URB-RCC)”**

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The project successfully started. Compared to the initial proposal 6 additional institutions committed to conduct the STAGE-0 simulations, which makes 21 institutions now. From these institutions, 4 institutes submitted their simulation results to Levante in order to exchange their results with the other project partners (Table 1). Furthermore, observational data for the Paris domain is also shared on Levante. The total storage used for the data is 243 GB (3% of the requested data). However, in the next few months much more data will be uploaded because many institutions are currently running the experiments or preparing their output. The joint data analysis has started, following an analysis protocol. The analysis will focus on evaluation with observations, and land-surface descriptions.

For the coordinated analysis of the model results an analysis protocol was developed ([link to protocol](#)). This protocol also tackles the naming conventions for the files as well as the structure of the folders, which is now in-line with the new CORDEX protocol. This involves changes to the domain names (EUR-11 -> EUR-12, PD-11 -> PARIS-12, Paris-3 -> PARIS-3). The alignment with the new CORDEX protocol ensures that the data could be included into the ESGF at a later stage.

Table 1: List of model simulations with planned data submission and already uploaded data.

Institute	RCM	urban scheme	EUR-12 domain	PARIS-12 domain	PARIS-3 domain
AUTH	WRF	Bulk/TEM/TEB			planned
CIMA	WRF	BEP/BEM			planned
CMCC	CCLM	TERRA_URB			planned
CMCC	ICON-CLM	TERRA_URB			planned
CNRM	CNRM-AROME	TEB			planned
CSIRO	CCAM	UCLEM	data uploaded		data uploaded
CUNI	WRF	BEP+BEM, BULK, SLUCM			planned
CUNI	RegCM5	CLMU			planned
CYI	WRF	URB0/ BEP+BEM			planned
Fudan	WRF	Noah			planned
GERICS	REMO	TEB			planned
ICTP	RegCM5	CLMU		data uploaded	data uploaded

IDL	WRF	Bulk/TEM/TEB			planned
IEDE	WRF	BEP/ BEP-BEM			planned
IPSL	WRF	BEP-BEM		data uploaded	data uploaded
JAMSTEC/ AIST	WRF	SLUCM/ SLUCM+BEM			planned
KIT	CCLM	TERRA_URB			planned
RMI/ Météo-Algeria	ALARO	TEB			planned
SMHI	HCLIM-AROM E	TEB		data uploaded	data uploaded
U of Tsukuba	WRF	SLUCM			planned
UCAN	WRF	BEP+BEM			planned
UMU	WRF-Chem	Bulk/BEP			planned

The FPS URB-RCC has greatly benefited from the opportunity to exchange data on Levante. It enables cross-country and cross-continent collaborations. We wish to thank you for the possibility to exchange our data via DKRZ in the context of this voluntary-based international research activity, endorsed under the World Climate Research Programme CORDEX initiative.