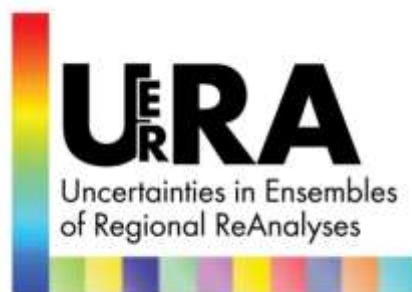




Seventh Framework Programme

Theme 6 [SPACE]



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Uncertainties in Ensembles of Regional Re-Analyses

Deliverable D3.4

Evaluation experiences

WP no:	3
WP leader:	DWD
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D3.4: Table summarizing the so far applied common evaluation procedures -

This table summarizes the so far applied common evaluation procedures in UERRA WP3 which were defined in D3.2.

Method	Data source	Parameter	Evaluation procedure	Participant, working contact	Application	Code source
B1: independent station measurements	Tower measurements of Lindenberg, Cabauw, FINO, Hamburg of hourly, daily, monthly values	Wind speed	Correlation, bias, RMSE, anomalies, PDF-score, frequency distribution; Extreme event analysis: hit rate, false alarm rate,	DWD, Michael Borsche	COSMO-REA6 hourly, daily, monthly from 1995 to 2014	R-package development at https://github.com/UERRA-EVA/EVA_stationobs
B2: dependent station measurements	DWD station measurements available from ftp://ftp-cdc.dwd.de/pub/CDC/	Wind speed	false alarm ratio, HKS, TS, ETS, frequency bias index, HSS, accuracy, odd ratio, EDI, SEDI;	DWD, Michael Borsche	Monthly COSMO-REA6 (1995 to 2014), ERA20C (1901 to 2010), ERA-Interim (1979 to 2010)	
C: gridded measurements	E-OBS applying ETCCD indices	Tmean, Tmin, Tmax, Precipitation, SLP	75 indices as defined by ETCCDI	KNMI, Gerard van der Schrier	European-averaged temperature and trends, percentages of Europe which are 'extremely'/'severely' wet or dry and trends in this (using SPI), and a similar analysis using the HY-INT index (which does not focus on the amount of precipitation as SPI but on the distribution of precipitation). Extreme temperature and trends (using the indices TX90p/TN10p) and extreme precipitation trends (R95p and RR1)	R-package will be available at the pcic (Pacific Climate Impact Consortium) in February 2016.
	ROCADA (daily gridded data covering Romania at 0.1 degree resolution) extreme indices; drought indices	Tmin, Tmax, Precipitation	ETCCDI indices of climate extremes; SPI, SPEI drought indices	NMA-RO, Marius Birsan	trend analysis, teleconnections	R-packages from Climdex: https://cran.r-project.org/web/packages/climdex.pcic/index.html and SPEI: https://cran.r-project.org/web/packages/SPEI/index.html
	Nordic Gridded Data Climate Dataset	Precipitation	PDF-score	MI, Cristian Lussana		R-package development at https://github.com/UERRA-EVA/EVA_gridobs