

Climate Forecast Analysis Tools: Table of packages

- ★ Functions are split on packages depending on their objective
- ★ Functions from different packages (even external packages) can be used to perform an analysis or obtain a product

	Package name	Short description	Link to CRAN and GitLab
Data manipulation	easyNCDF	Read/write netCDF files into/from multidimensional R array.	https://CRAN.R-project.org/package=easyNCDF https://earth.bsc.es/gitlab/es/easyNCDF
	startR	Data retrieval and processing tools	https://CRAN.R-project.org/package=startR https://earth.bsc.es/gitlab/es/startR
	multiApply	Apply functions to multiple multidimensional arrays or vectors allowing parallel computation	https://CRAN.R-project.org/package=multiApply https://earth.bsc.es/gitlab/ces/multiApply
Analysis and processing	s2dverification	Functions for Forecast Verification and visualization	https://CRAN.R-project.org/package=s2dverification
	s2dv	Adaptation of s2dverification to multiApply	https://CRAN.R-project.org/package=s2dv https://earth.bsc.es/gitlab/es/s2dv
	CSTools	Methods for forecast calibration, statistical and stochastic downscaling, optimal forecast combination and tools to obtain tailored products.	https://CRAN.R-project.org/package=CSTools https://earth.bsc.es/gitlab/external/cstools
	CSIndicators	Sectorial Indicators for Climate Service	https://CRAN.R-project.org/package=CSIndicators https://earth.bsc.es/gitlab/es/csindicators
	ClimProjDiags	Climate extreme indices, evaluation of the agreement between models, weight and combination functions.	https://CRAN.R-project.org/package=ClimProjDiags https://earth.bsc.es/gitlab/es/ClimProjDiags