

## **EURRA project elements**

- 1) Design and organisation
- 2) Development of database of observations
- 3) Provision of input data fields and other 2D analyses
- 4) R&D in data assimilation for regional reanalysis
- 5) Production of reanalyses
  - Pre-production testing
  - Production itself
  - Post-processing
- 6) Validation
- 7) Dissemination

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Phase	Resolution and Period	Name and nature	Productior period
1	10km regional 1957-2008	EURRA-1 Downscaled from ERA-40 and ERA-Interim	2007-2008
2	10km regional 1989-2009	EURRA-2 Reanalysis using ERA-Interim lateral BCs	2008-2009
3a	10km regional 1938/48-2012	EURRA-3 Reanalysis using ERA-65/75 lateral BCs	2010-2012
3b	2km regional 1938/48-2012	EURRA-4 Downscaled from EURRA-3	2010-2012
4	2km regional 1989-2012	<b>EURRA-5</b> Reanalysis using lateral BCs from ERA-65/75 and/or EURRA3	2013-2014



## EURRA element 3: Provision of input data fields and other 2D analyses

- Regional assimilation system(s) will require a number of data fields to be specified, depending on design of system
- Fields (mostly time-varying) may include:
  - Sea-surface temperature and ice distributions
  - Lake temperatures and ice state
  - Land-surface and soil characteristics
  - Precipitation and snow analyses
  - Atmospheric composition
  - .....
- Fields will be external deliverables of EURRA in their own right
- Could/should be complemented by 2D (model-free or specialised model-based) analyses of certain observations, as alternatives to reanalysis products. Could/should be linked to other activities (CM, OSI and other SAFs, ...)

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