Lineage:

- Initial version – Bruce, Nov 2014
- Minor Edits – Bruce, Jan 2017

User Story

6.1.2 Generate Climate Monitoring Grids

Version: 0.2

Bruce Bannerman 24/1/2017 14:47
Comment [1]:
This needs much more work

==== User Story ====

Related components: 6.1.2, 4.1, 4.3, 4.4, 4.5, 5.4, 8.1.1, 8.3.1, 7.1

Related User Stories:

- .

A Climate Data Manager requires functionality to monitor climatic conditions over a region of interest.

Automated software generates climate monitoring grids portraying the distribution of values of a selected phenomenon (e.g. mean maximum temperature) across a country or selected area and over defined time periods (e.g. yesterday, last month, last year).

The software selects observations that meet a specific quality flag as at the runtime date and generates derived data over the given time period.

The software further queries observations metadata to ensure that the station was considered operational over the time period of the observations.

The software then generates climate grids using spatial statistical analysis, replacing existing grids where observation values had been changed due to climate quality control processes.

Architectural Comments:

- There are many variants to this common architecture pattern. It is required to generate a wide range of grids based on source data such as:
  - cdms-user-story-4.1-observations-data; and
  - cdms-user-story-6.1.2-generate-derived-observations-statistical-data-pdf

===== end ====

Reference: WMO 1131