

Lineage:

- Initial version prepared by Radim and Rashid, Aug 2016
- Minor edits and moved to new component Climate Data Management – Bruce, Jan 2017

User Story

xxx Climate Data Management – Manage Change in Station Location

Version: 0.1

==== User Story 2 ==== 4.3.2

Related components: 3.1.6, 3.2.1, **6.1.3**, 4.1.4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5, 6.1, 7.1, 8.1, 8.2, 8.3

Related User Stories:

This user story needs careful thought and analysis. It has significant implications.

The climatological station moves approximately 200 meters south.

Because of lowland type of relief, the climatologist decides not to change station id, just prepare new description. The system ask user for the date/time of change, ends "old" station and immediately "open" new one with the same description (sensors, data, ...). The user updates metadata in the new station (localization, environment, ...). Usually is not possible to do it without application because of data exists (the real date/time is in previous month, but data are sending without interruption from new locality to the old station in the CDMS).

The user requires to:

- have tools for update metadata
- be warning in case of disruption of consistency between metadata and data
- monitor spatial distribution of metadata and amount of data by metadata
- split one metadata record into two records

Management of climate metadata means to maintain and monitor it. For definition and creating of climate metadata see section 4.3.

==== End =====

Reference: WMO 1131

Bruce Bannerman 24/1/2017 11:59

Comment [1]:

Much more work required.

Bruce Bannerman 24/1/2017 11:59

Comment [2]:

What is the best way to handle this ?

It should really be a new Station ID.

However, as it is a climatological station, we need to ensure continuity in the climate record.

Perhaps we create a new 'segment' within the same station for observations, observations metadata, derived statistical values etc.

We can then use homogenization processes to resolve the long term record.

To be discussed.