

**Lineage:**

- Initial version prepared by Radim and Rachid, Aug 2016

**User Story****5.2 Climate Data Rescue****Version: 0.1****==== User Story ==== 5.2****Related components: 5.2****Related User Stories:**

The user obtains the set of meteorological charts from national archive. Data administrator decides to scan all charts, save it in CDMS, recognize the values and ingest them into the CDMS. The user checks the newly ingested data in the key entry form with original charts.

The user requires to:

- electronically recognize the values from documents or charts, if possible
- use already prepared (by user with higher level of rights) key entry forms (KEF) look similar to paper document
- be able to use KEF outside the CDMS, prepare the file and ingest it into the CDMS
- use KEF inside CDMS in consistency to data and metadata
- view data from the database if they exist to avoid double keying, if needed
- be warning by system during KE process about wrong values
- perform limited Quality Checks (QC) on each data and define the initial quality assurance flag for each record/value based on that user assessment
- store data directly into the database or in temporary tables depending on the user rights
- obtain the calculated data
- monitor the process of data rescue

A data rescue part of CDMS provides to user tools for rescue "old" version of "climatological data" both by imaging and keying. Climate Data User requires functionality to store documents (paper observation forms, meteorological chart, scanned microfiche/microfilm, observation metadata document, calibration reports, technical manuals, location description and others) or key entry climate data from paper documents and ingests them into the CDMS.

**==== End =====**

*Reference: WMO 1131*

Bruce Bannerman 18/1/2017 15:50

**Comment [1]:**

Suggest that we approach ET-Climate Data Rescue to provide suitable use cases.

Bruce Bannerman 18/1/2017 15:49

**Comment [2]:**

Validate this statement.

By doing it outside the CDMS, you lose a lot of the potential software logic e.g. to handle error checking, automated calculations, etc that could be handled behind the scenes.

Bruce Bannerman 18/1/2017 15:47

**Comment [3]:** Do we not want double key entry ?