

Rosetta: Ensuring the Preservation and Usability of ASCII-based Data into the Future

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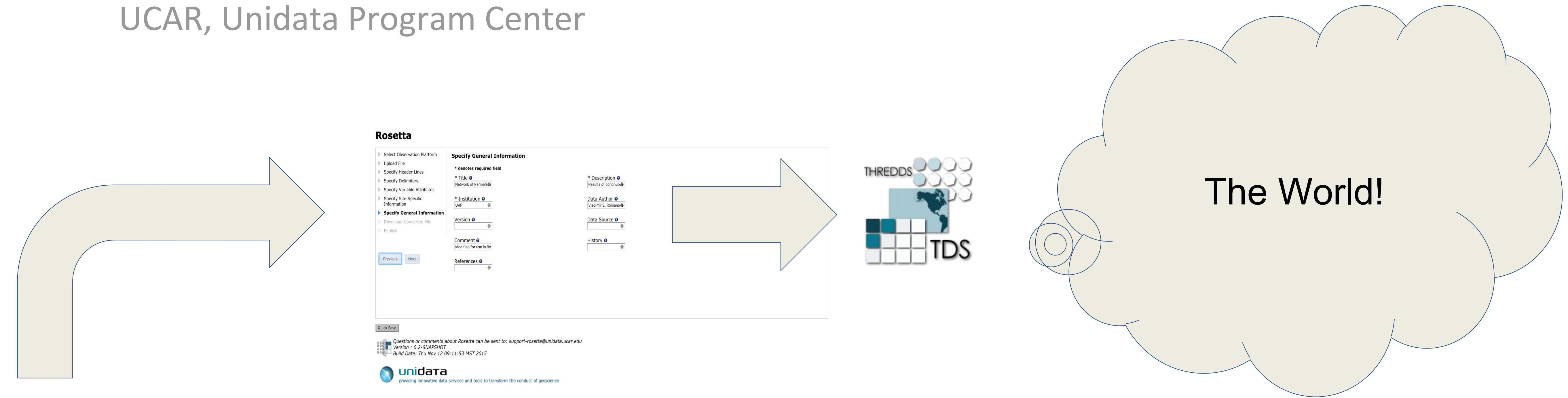
Situation: Field data obtained from dataloggers often take the form of comma separated value (CSV) ASCII text files.

Issue: ASCII text files have drawbacks, especially when considering data interoperability and stewardship issues such as:

- lack of standard conventions
- the inability to easily interact with standard data services
- metadata often stored in separate files

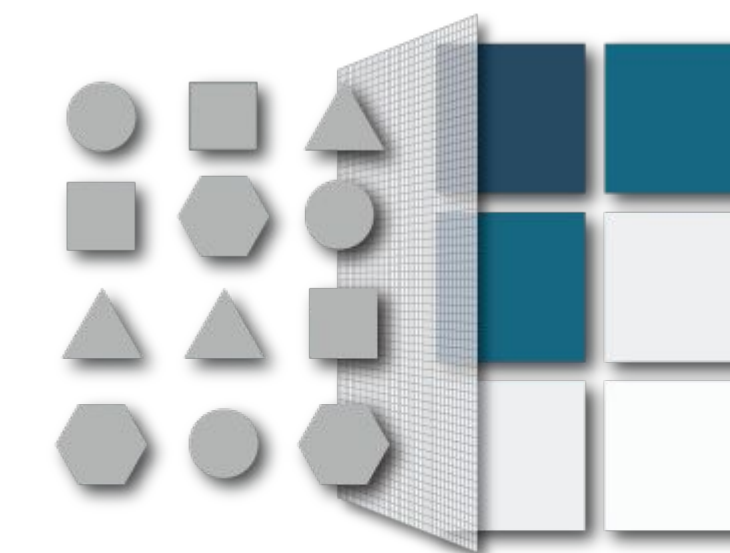
Proposed Solution: A data translation service to transform ASCII data into a well supported, interoperable, and preservation-aware data format.

The Unidata data translation tool, Rosetta, is a web-based service that provides an easy, wizard-based interface that allows data providers to transform their datalogger ASCII output into Climate and Forecast (CF) compliant netCDF files following the CF-1.6 discrete sampling geometries. These files are complete with metadata describing the data contained in the file, the instruments used to collect the data, and other critical information.

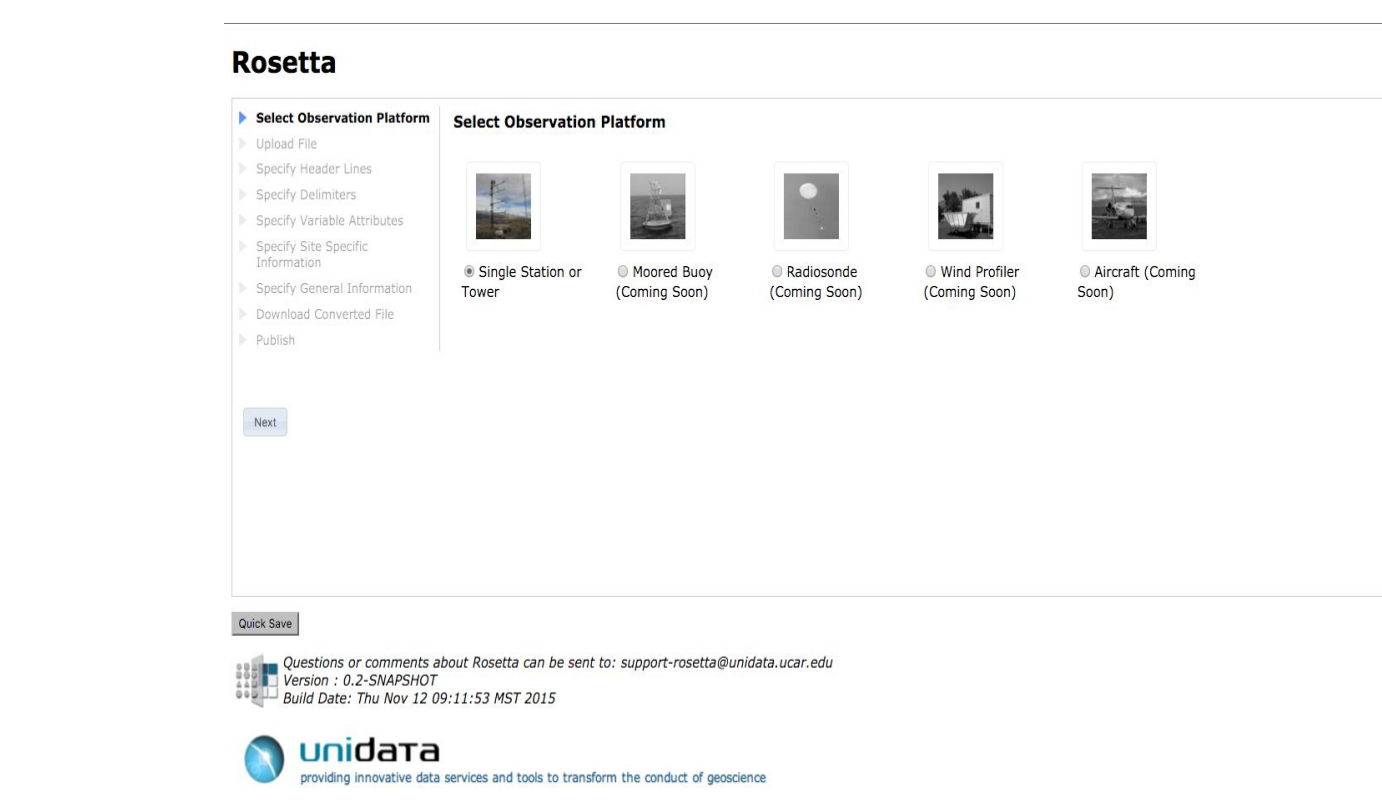


Download
Converted File

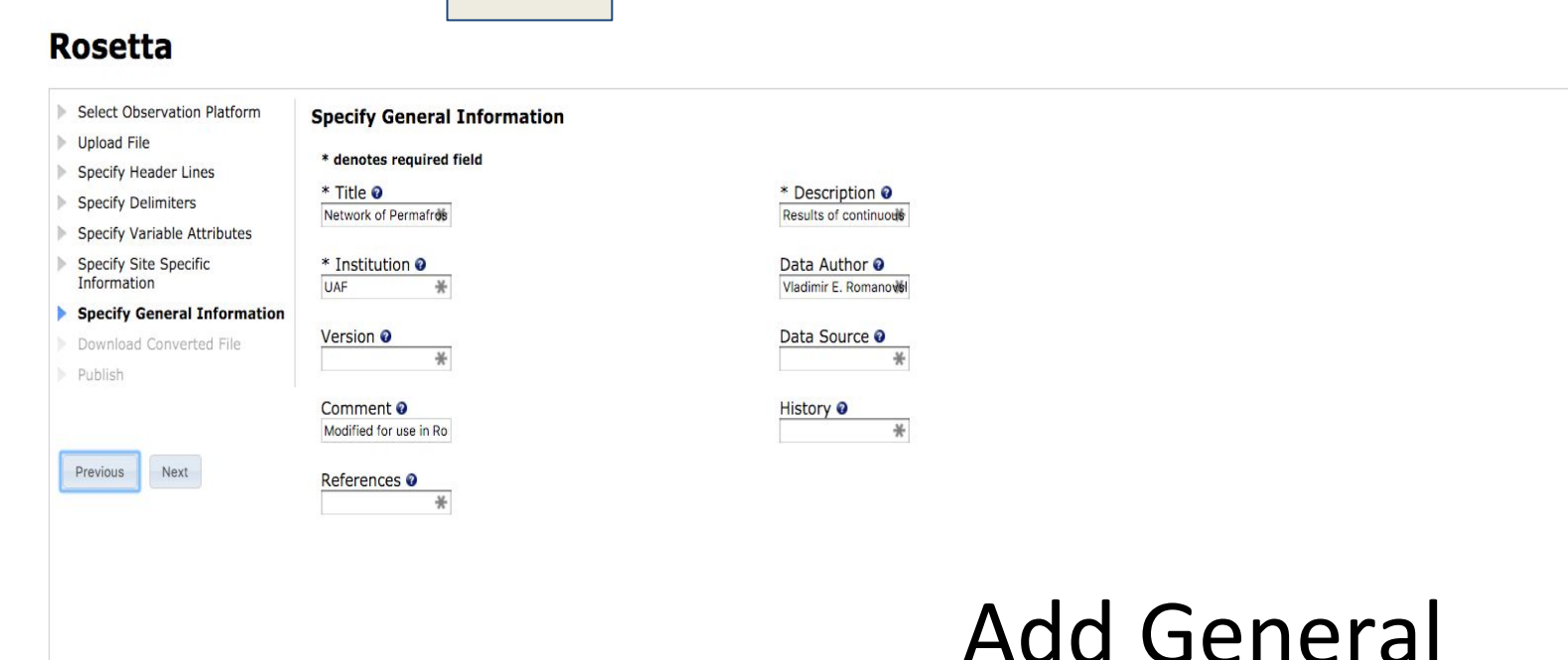
Publish to a data
server



Rosetta



Choose data
collection method

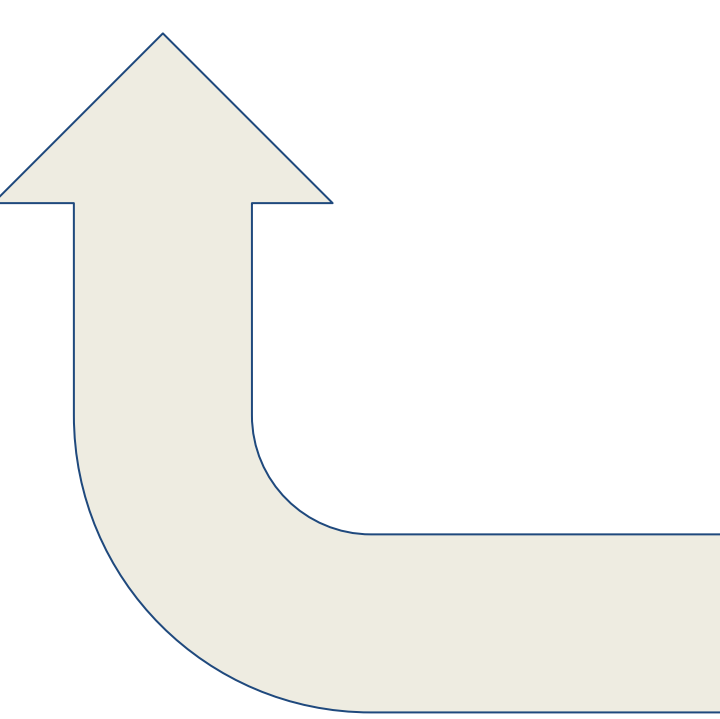


Add General
Metadata

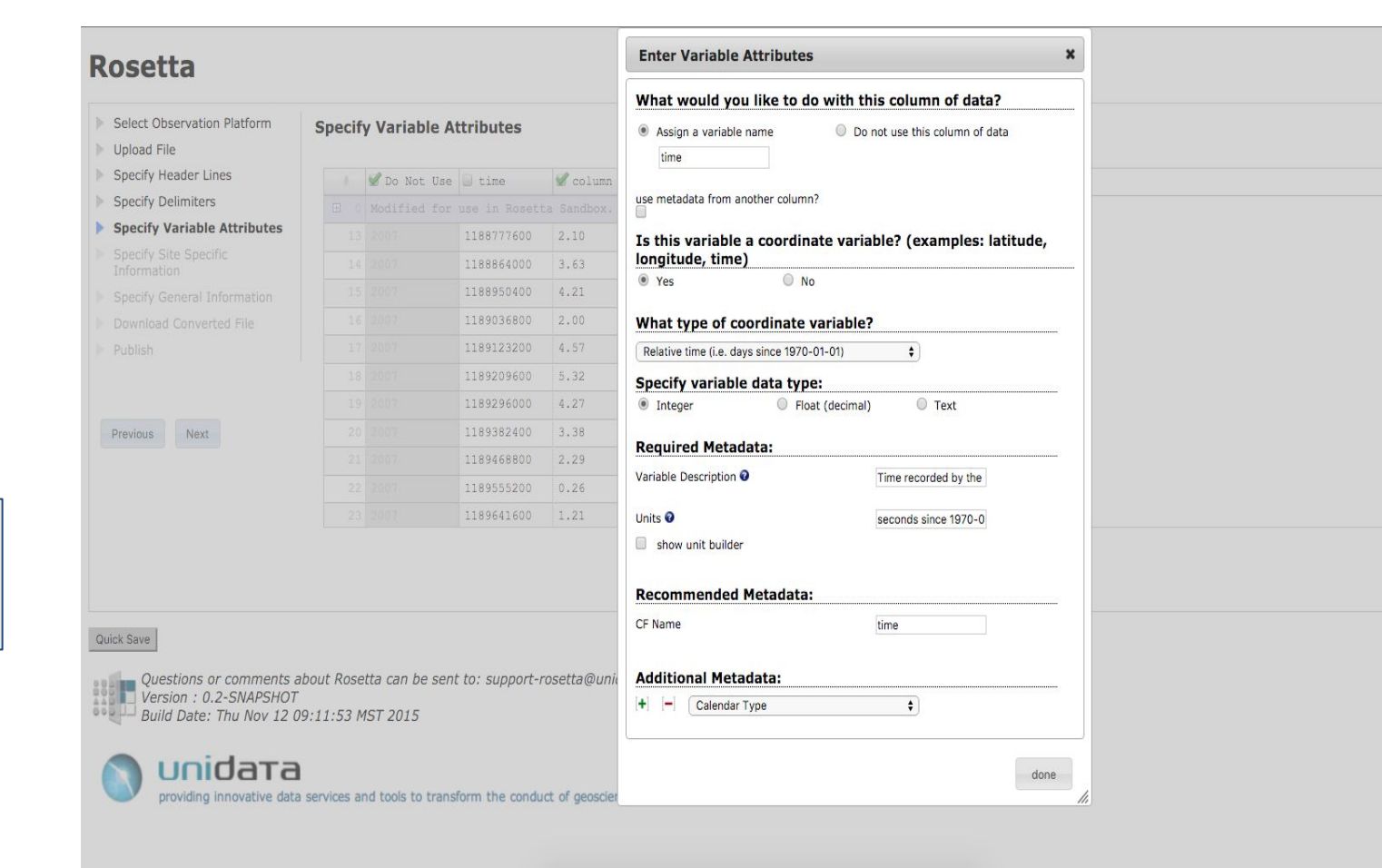
Transformation
Workflow



Select the data
header



Define Data Variables
and Metadata



Define Coordinate
Variables and Metadata