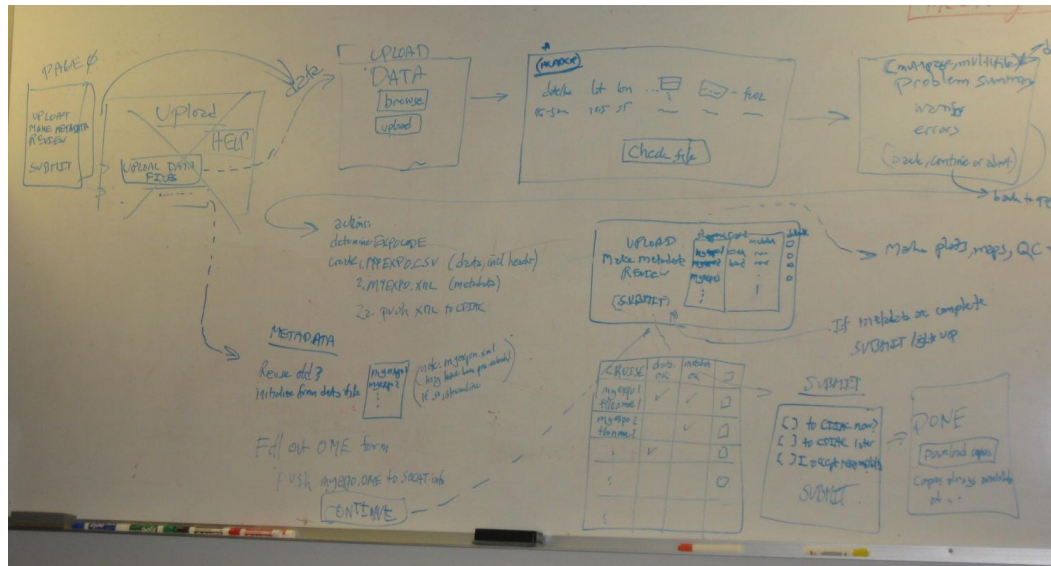


# Version 3 Automation

[www.socat.info](http://www.socat.info)



- Automate SOCAT data submission & QC for version 3, as recommended at the Data2Flux Workshop (13/09/2011);
- Automation design (PMEL, Seattle, 10&11/05/2012);
- Agree on automation plans (Tsukuba, 03-05/07/2012);
- Complete automation by March 2013.

Dorothee Bakker et al., Introduction for Tsukuba meeting, 03/07/2012







[www.socat.info](http://www.socat.info)

# Unique Expocode

Will link data (at [SOCAT.info](http://SOCAT.info)) with metadata (at CDIAC OME).

12 characters:

1&2: country code of vessel

(<http://www.nodc.noaa.gov/General/NODC-Archive/countrylist.txt>)

3&4: NODC vessel code

(<http://www.nodc.noaa.gov/General/NODC-Archive/platformlist.txt>)

5-12: YYYYMMDD, starting date of cruise

For instance, 06MT19920510



# Data file header

[www.socat.info](http://www.socat.info)

## Mandatory header

/\*

Country of Vessel ID (2 character, <http://www.nodc.noaa.gov/General/NODC-Archive/countrylist.txt>)

Vessel ID (2 character, <http://www.nodc.noaa.gov/General/NODC-Archive/platformlist.txt>)

Start date (for Expocode)

\*/

**Optional header** (to also be included in the above /\* \*/ brackets):

Metadata for automatic upload to the OME metadata form (with standardized identifiers).



[www.socat.info](http://www.socat.info)

# Data submission policy

As part of the submission process to SOCAT, the PI will need to select at least 1 of these 3 options (with 1 as default setting):

1. To make the 'original' data and metadata public via CDIAC upon submission to SOCAT (instantly), (DEFAULT)
2. To make the 'original' data and metadata public via CDIAC upon inclusion of these data in a SOCAT release,
3. To take responsibility of making the 'original' data and metadata public (via a data center(s) of choice).



# Other issues, version 3

[www.socat.info](http://www.socat.info)

## **Version 3 will include:**

- CO<sub>2</sub> mole fraction (xCO<sub>2</sub>) (dry) in marine air (if reported);
- Seconds for all data (also for data in version 1, while keeping QC flags).