

About work to change Metadata of the GAWSIS

WDCGG

The Characters

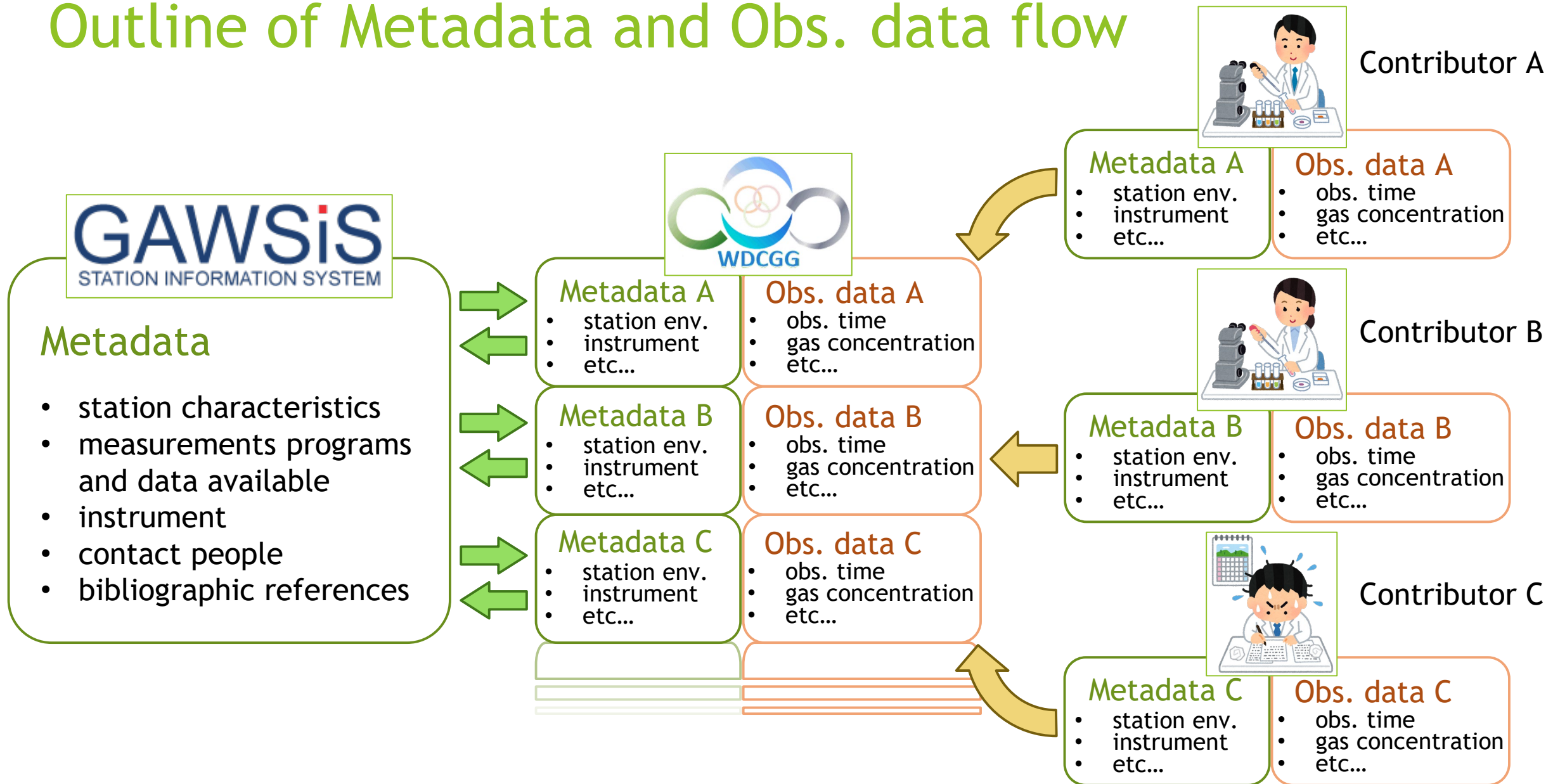
- GAWSiS (& OSCAR/Surface)
 - ✓ One-stop shop for ground-based GAW networks
 - ✓ GAW metadata integration is one of the goals

- WDCGG (& Other WDCs)
 - ✓ WDCGG is one of WDCs under the GAW/WMO
 - ✓ The WDCs archive one or more GAW observation parameters or types as administered by individual host institutions.

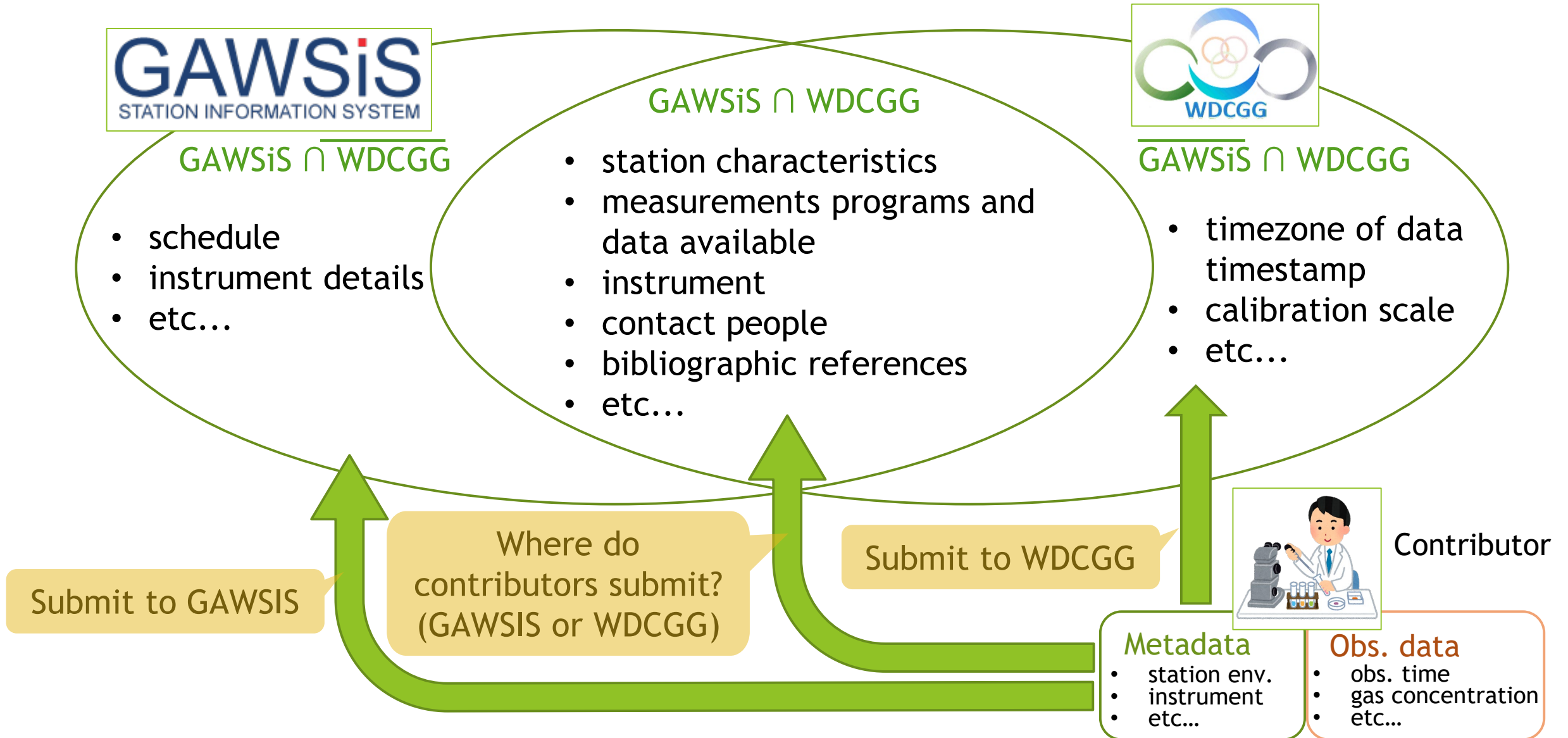
- Contributors
 - ✓ Researchers and institutions measuring GAW observation parameters



Outline of Metadata and Obs. data flow

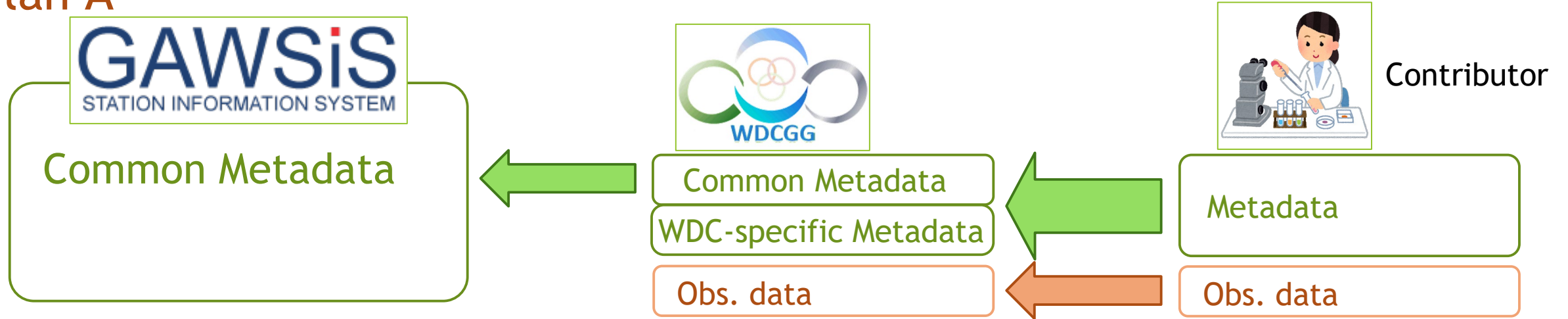


Metadata's Venn diagram

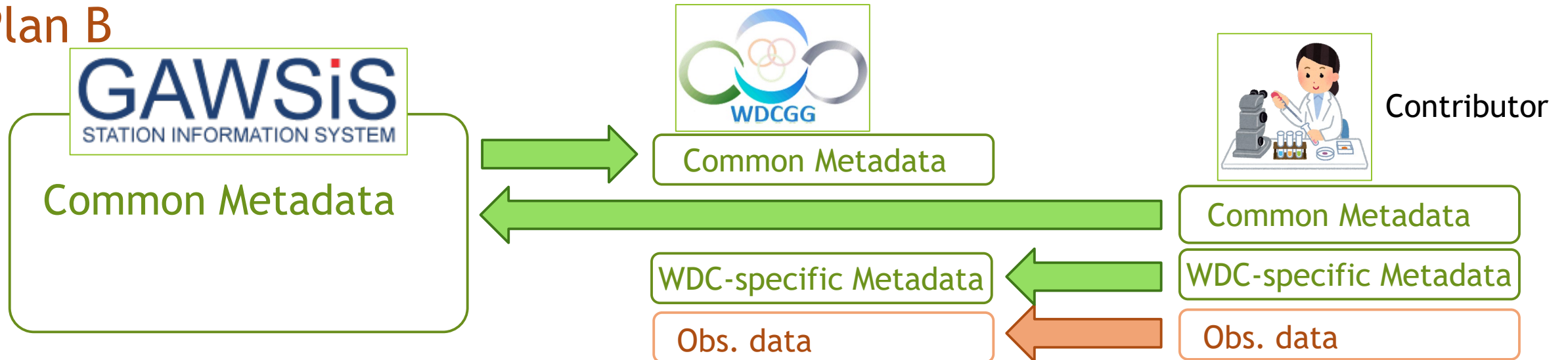


Where do contributors submit?

Plan A



Plan B



Pros and cons of each plan

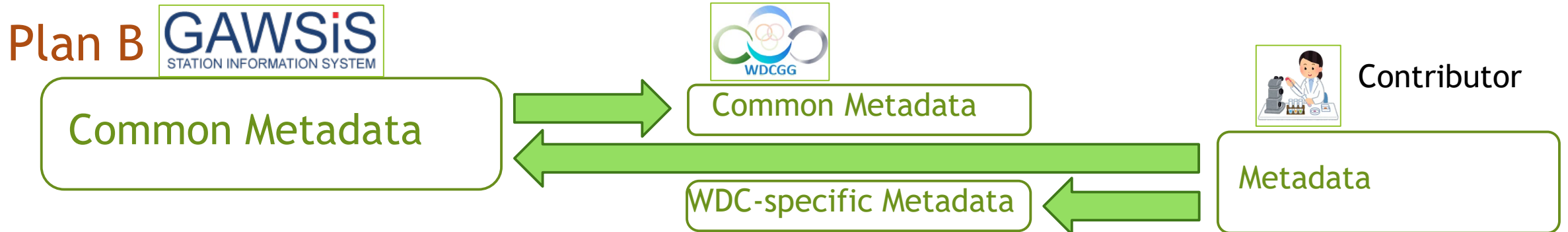


□ Pros

- ✓ The contributor submit metadata to only one organization destination.
- ✓ No need to categorize metadata by contributor.

□ Cons

- ✓ Currently not authorized to upload directly from WDCGG to GAWSiS.
- ✓ Some metadata is in GAWSiS but not in WDCGG.



□ Pros

- ✓ WDCGG does not have to synchronize the common metadata, it just downloads by GAWSiS.

□ Cons

- ✓ Contributors submit to multiple metadata destinations, adding complexity. The common metadata separation is required.
- ✓ Metadata not in WDCGG cannot be received from GAWSiS.

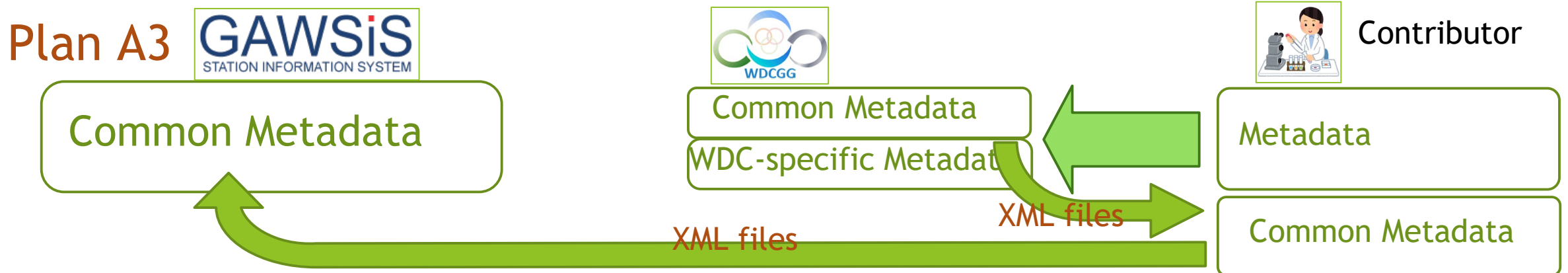
Branch of the plan A



- Contributors submit metadata to WDCGG. WDCGG converts the common metadata into an XML file and submits it to GAWSiS. GAWSiS reflects XML data in the database.

Plan A2

- Basically the same as plan A1, except that WDC has the registration authority to GAWSiS and registers the updated common metadata on the website by API. Therefore, the data registrant is WDCs.



- Contributors submit metadata to WDCGG. WDCGG converts the common metadata into an XML file and submits it back to the Contributors. Contributors submit the XML data to GAWSiS.

Current challenges

- For plan A1
 - ✓ WDCGG creates a tool to create XML to GAWSIS from WDCGG database. The tools are currently under construction by WDCGG.
- For plan A2
 - ✓ Is it possible in policy to upload on behalf of the contributors by WDCs?
- For plan A3
 - ✓ WDCGG creates a tool that automatically creates XML from the WDCGG database to contributors.
 - ✓ Consideration should be given to the processing of GAWSIS-specific metadata outside of the WDCGG related parts.
- For plan B
 - ✓ Since the contributors themselves update the data on GAWSIS, it is necessary to devise ways to promote the update.
 - ✓ the metadata on GAWSIS is somewhat out of date than WDCGG. The first step would be to mirror the WDCGG web site MetaData content on OSCAR/Surface.