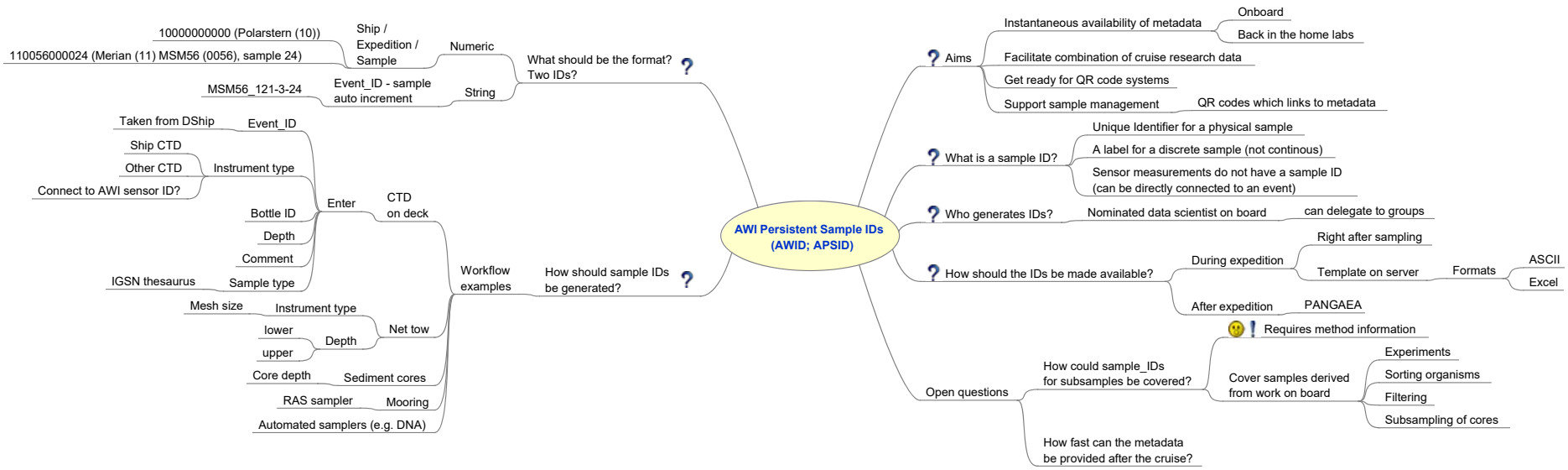
AWI Persistent Sample IDs (AWID; APSID)
What should be the format? Two IDs?
Numeric
Ship / Expedition / Sample
10000000000 (Polarstern (10))
110056000024 (Merian (11) MSM56 (0056), sample 24)
String
Event_ID - sample auto increment
MSM56_121-3-24
How should sample IDs be generated?
Workflow examples
CTD on deck
Enter
Event_ID
Taken from DShip
Instrument type
Ship CTD
Other CTD
Connect to AWI sensor ID?
Bottle ID
Depth
Comment
Sample type
IGSN thesaurus
Net tow
Instrument type
Mesh size
Depth
lower
upper
Sediment cores
Core depth
Mooring
RAS sampler
Automated samplers (e.g. DNA)
Aims
Instantaneous availability of metadata
Onboard
Back in the home labs
Facilitate combination of cruise research data
Get ready for QR code systems
Support sample management
QR codes which links to metadata
What is a sample ID?
Unique Identifier for a physical sample
A label for a discrete sample (not continous)
Sensor measurements do not have a sample ID (can be directly connected to an event)
Who generates IDs?
Nominated data scientist on board
can delegate to groups
How should the IDs be made available?
During expedition
Right after sampling
Template on server
Formats
ASCII
Excel
After expedition
PANGAEA
Open questions
How could sample_IDs for subsamples be covered?
Requires method information
Cover samples derived from work on board
Experiments
Sorting organisms
Filtering
Subsampling of cores
How fast can the metadata be provided after the cruise?