**1. What expert teams are needed for GCW? E.g., by outcome, project, cryosphere element, information content**

Use existing teams, i.e. partnerships, e.g., ETSI/IICWG, that already have foundation (requirements, standards, etc.) – sea ice team or a component of a sea ice team.

Sea ice representative could be derived from:

* ETSI/IICWG
* CliC Sea Ice Working Group
* ASPeCt
* GCOS/GOOS working group on sea ice and SST

Teams for each parameter? No. Have parameter representatives for each of the teams below. Representatives could be drawn from current infrastructure (e.g., for sea ice: ETSI/IICWG, CliC, ASPeCt, GCOS/GOOS)

GCW would contact existing infrastructure to provide candidates for each team below. Try to have representation for each parameter on each team. APECS for potential incorporation of early career scientist.

Request volunteers, e.g., from Cryolist. Need to clearly define roles and duties. Do outreach at scientific conference (AGU, EGU, etc.) to make contacts and seek participants. Have a GCW booth?

Terminology team – terminologies, glossaries, vocabularies, ontologies, CryoPedia(?)

* What is a ‘supersite’ vs. what is a ‘reference site’?

Bridging team - between scientists and operational (met. Offices)

* Make two communities aware of each other (and their products) and facilitate interaction and collaboration between the two

Observing system development team(?) – implement CryOS. A supersite reference team would be part of this team?

* Help establish reference sites
* Evaluate reference/supersite requirements and consider non-supersite (i.e., labs, automated stations, parameter sites)
* Periodic update/review of observing system requirements and capabilities

Outreach team (under observations team)

* Speak to media, policymakers on request
* Provide guidance for ‘outreach’ products to provide to policymakers
* Scientists to provide information
* Communication personnel to provide editorial guidance
* Provide WMO resource for cryosphere statements
* Gather news items about the cryosphere and provide through GCW – continuing updates about the cryosphere. Could be done by automated feed
* Press releases? – but other groups already do this, don’t want to usurp organizations
* Quarterly/semi-annual newsletter compiling interesting/important info about entire cryosphere
* React to issues as an authoritative voice on cryosphere issues (e.g., Times Atlas imbroglio)
* Facilitate training of students and early career scientists

Assessment team (under another team?)

* Provide cryosphere contribution to WMO State of Climate
* Decadal and multi-decadal surveys of state of the cryosphere

Product and services team (bazaar) – facilitate development of products and services (by ‘booth owners’, i.e. observation groups) from observations, model outputs

* Select various products (portal products and services), clearinghouse
* Evaluation of candidate products (from various organization)
* Facilitate harmonization of products
* Evaluation of potential products
* Outreach team could be part of this team?

**2. Describe the activities and roles of the teams and suggest who should be involved?**

Sea ice team:

* select candidate products for inclusion within GCW
* provide points of contact for sea ice information/expertise
* news and analysis? Tie into NSIDC, IICWG
* create best practice guidelines

**Other comments**

* GCW shouldn’t be doing science, so no science projects. GCW should help implement WMO goals of operational capabilities. GCW should provide ‘services’