

## Summary Building Block WG (Wednesday AM):

Four types of building block (all are in the end supported by governments):

1. Longstanding operational monitoring intergovernmentally agreed and supported (eg. GOS/GAW, IAPB)
2. Nascent operational monitoring with substantial gaps relative to agreements or insufficiently sustained support (eg. Argo, sealevel monitoring (in situ and remote)).
3. Hypothesis driven, integrated observational campaigns from large (eg SEARCH) to small (eg. individual researcher). Community based observations, local knowledge, integrated within these

We avoided making a “laundry list” or even a ‘prioritized list’

Recommend that governments support SAON in order to build on category (1), fill gaps and sustain category (2), ensure standards for comparison are adhered to in category (3). All these blocks have value. Governments

Recommend ‘next SAON phase’ give thought to prioritizing amongst various parameters to catalyze transfer elements of elements of some research networks, both in-situ and remote sensing, into operational mode.

Recommend ‘next SAON phase’ formally adopt existing science plan(s) as its underpinning. (eg. SEARCH national science plan, DAMOCLES, icarpII ISAC, CLIC etc...)

Recommend ‘next SAON phase’ distinguish between observations within territory of member states (national monitoring, according to shared coordinated protocols) and global commons (coordinated cooperative monitoring)

Recommend ‘next SAON phase’ create a Matrix with one axis showing block categories 1-4 and the other disciplines (eg met, phys ocean, cryosphere, health...) with monitoring system examples shown in the matrix.

Recommend ‘next SAON phase’ produce a list of numerical milestones and timelines for platforms contributing to SAON (eg required number and density of platforms...)

Recommend ‘next SAON phase’ consider maximizing industry support for SAON through a regulatory framework.

Recommend that adding new elements should follow existin rules and protocols ...to operational networks should not jeopardize sustaining existing ones [funding working group]

Recommend that any ministerial agreement that may support or endorse SAON, must also elucidate new human and financial resources required to enable it to succeed. [funding working group]

Recommend free and easy access to data [data working group]

Recommend data rescue efforts as an effective and important way to get long timeseries [data working group]