

Are you tracking network maturity and health?

- Task Team on Metrics & Maturity -

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Task team goals:

1. Develop definitions of emerging and mature networks
2. Develop a network 'health index'

The draft metrics below are based on the OCG attributes with input from task team, Report Card 2023 and OCG Data Implementation strategy



How do you assess maturity and health? What metrics are valuable to track for your network?

Add your input to the Miro Board (QR) or get in contact: s.lemcke@unesco.org



Emerging Network Attributes

Mature Network Attributes

Health Index

1 Scale	Regional and actively developing capacity in more regions	Greater than regional, and as far as feasible, intention to be global	→	Presence in number of basins; Number of countries contributing
2 EOVs/ECVs	Observing one or more EOVs or ECVs	Consider expanding variables where feasible	→	Number of EOVS or ECVs measured annually
3 Obs. are sustained	Sustained beyond time-span of single projects, undertaking routine	Sustained over multiple years; Change in obs. density/capacity is understood and addressed	→	% change in number of platforms/obs. against the average no. over the previous 3-years
4 Governance	Developing governance structure with ToR and contacts on GOOS website; Developing a strategy to become a mature network	Gov. structure developed with ToR and contact points on GOOS website; Develops a multi-year strategy and implementation plan, as part of regular reporting to OCG		
5 Mission and targets	Unique 'space'/mission in GOOS identified; Meeting community adopted targets, based around global/other requirements	Reports against status (health index) to OCG Status compared to community adopted targets; network self assessed status when target doesn't exist		
6 Data	Provides real time and delayed mode data on a free and unrestricted basis; Works towards identifying data end point (GDAC, etc.) in virtual or physical for real time and delayed mode; Considers a data strategy and implementing OCG Data Implementation Strategy	All data exchanged in NRT, when relevant, with the WMO GTS or WIS2; Data end point identified for delayed mode data (QC'ed and with globally unique identifier (DOI)); End point contains all metadata needed to understand the data; Data available through ERDDAP services for m2m access	→	% of platforms for which data are being delivered in near real-time (where appropriate) and in delayed-mode
7 Metadata	Working towards exchanging minimum metadata (passport) with OceanOPS	All required metadata exists in OceanOPS; At least 90% of metadata is exchanged with OceanOPS through machine-2-machine services	→	% of platforms for which complete metadata are available in OceanOPS database; % of metadata is exchanged with OceanOPS using fully automated m2m processes.
8 Best Practices	The network starts to develop, update, and follow best practices	Best practices identified, GOOS Endorsed, easily accessible and findable (OBPS) and encompassing the observations lifecycle		
9 Capacity development	Considers capacity development Supports inclusivity and diversity	Development of activities that enable new communities of ocean observers		