

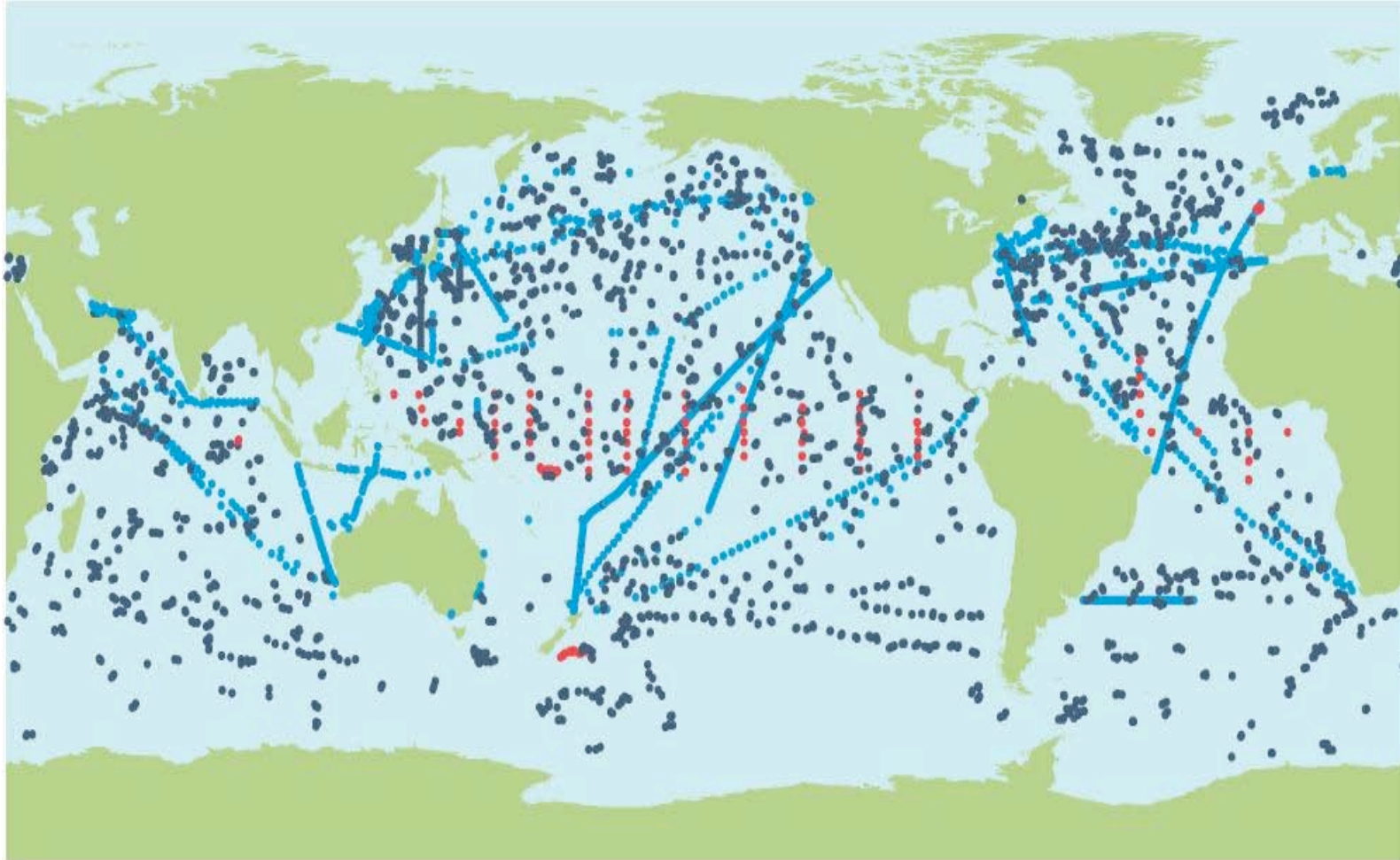
Comments on SOOP XBT Status for OOPC-9

SOOP XBT is one component of the subsurface observing system comprised of Argo, Time Series Reference Sites, Tropical moored arrays, Repeat Hydro/Carbon Line

Will give a quick overview of SOOP in the context of the subsurface system.

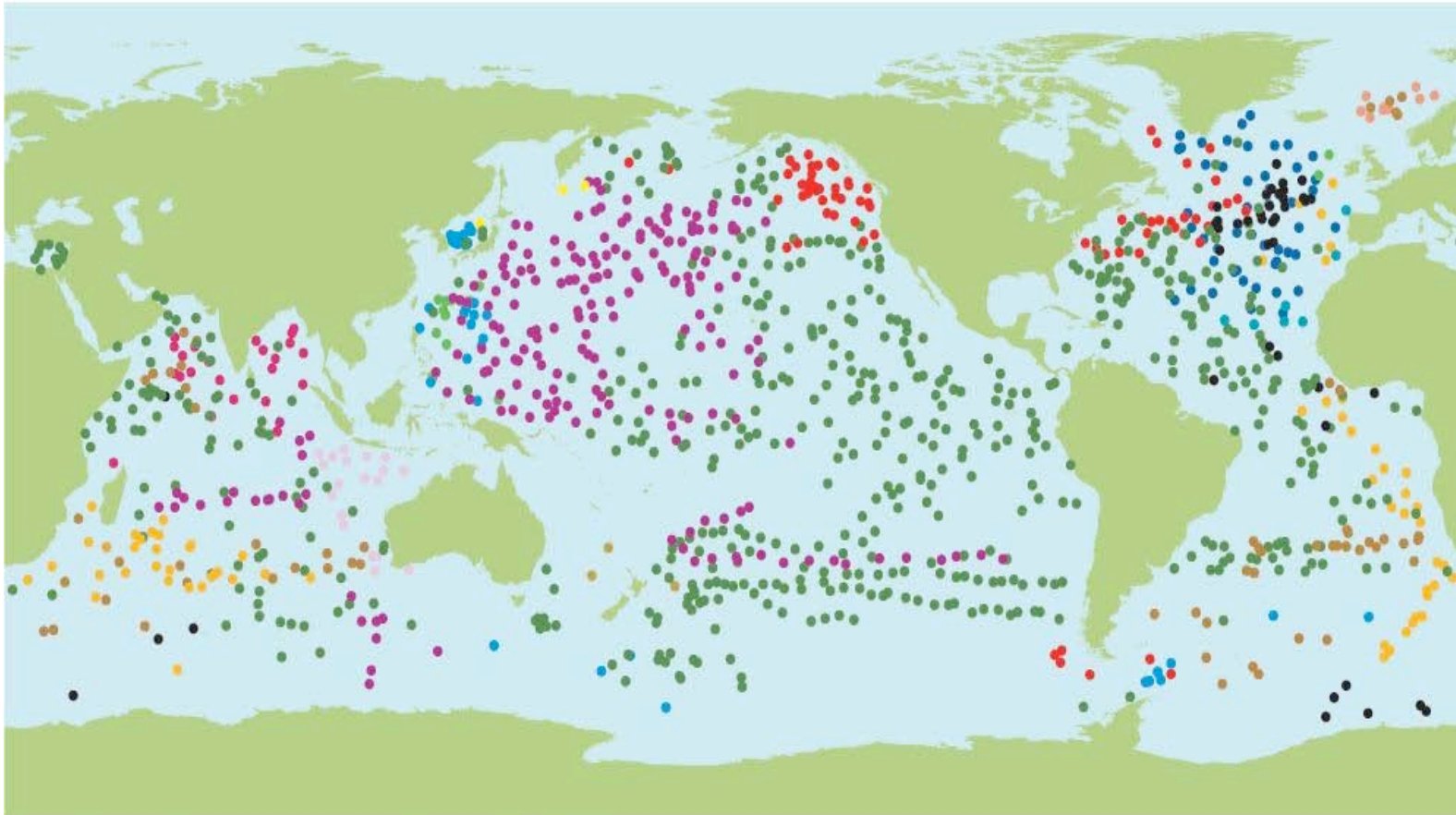
There remain substantial implementation challenges.

Subsurface Temperature Status April 2004



Need: 24 more ref. sites; 5,000 more XBTs/yr;
30 more tropical moorings; 2000 more Argo

ARGO National Contributions – April 2004



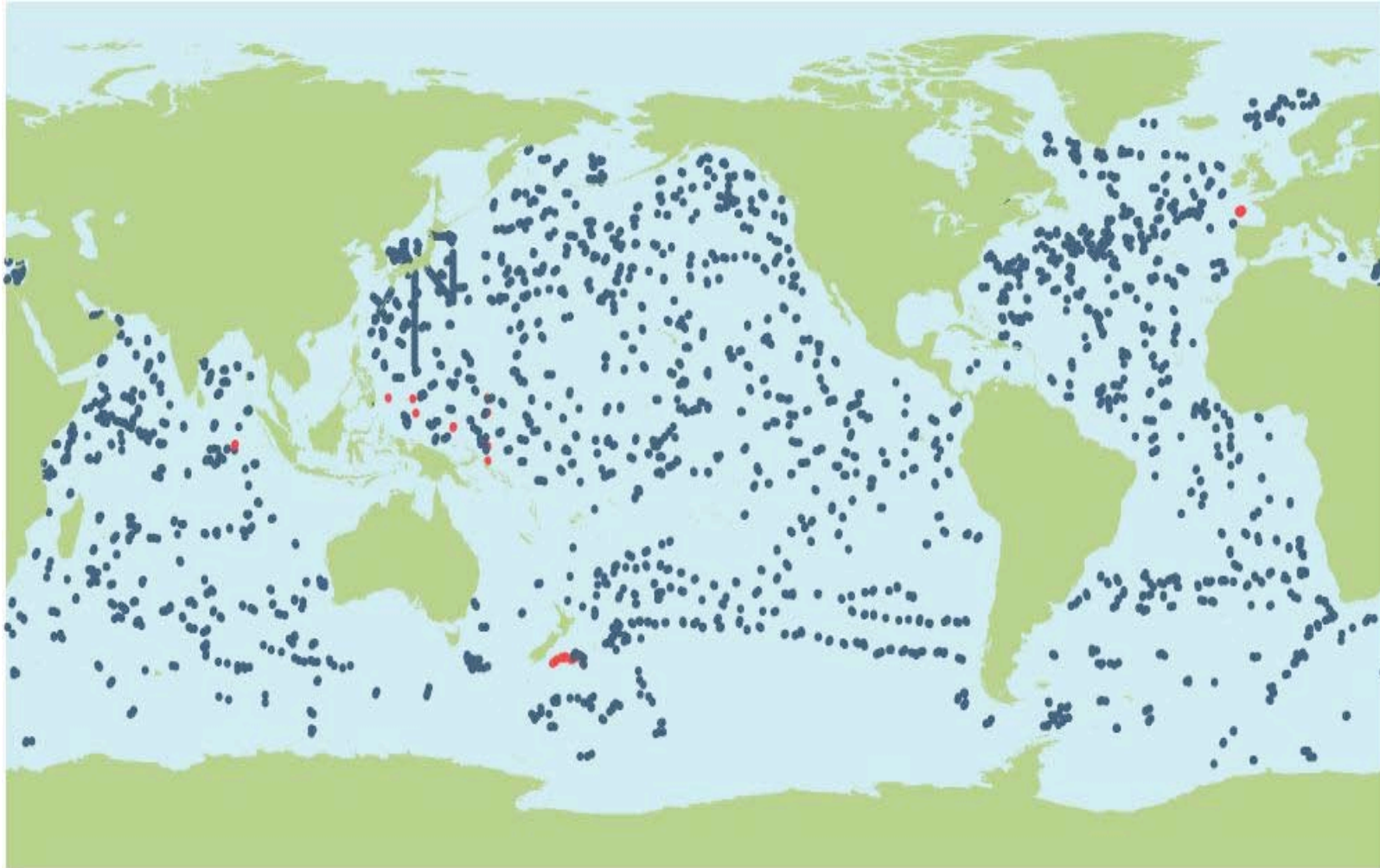
Argo Network, as of April 2004

(1180 Floats)

● AUSTRALIA (19)	● FRANCE (62)	● MAURITIUS (1)
● CANADA (70)	● GERMANY (43)	● NEW ZEALAND (3)
● CHINA (12)	● INDIA (23)	● NORWAY (9)
● DENMARK (0)	● IRELAND(2)	● RUSSIAN FEDERATION (3)
● EUROPEAN UNION (50)	● JAPAN (204)	● SPAIN (7)
	● KOREA (Rep. of) (43)	● UNITED KINGDOM (61)
		● UNITED STATES (568)

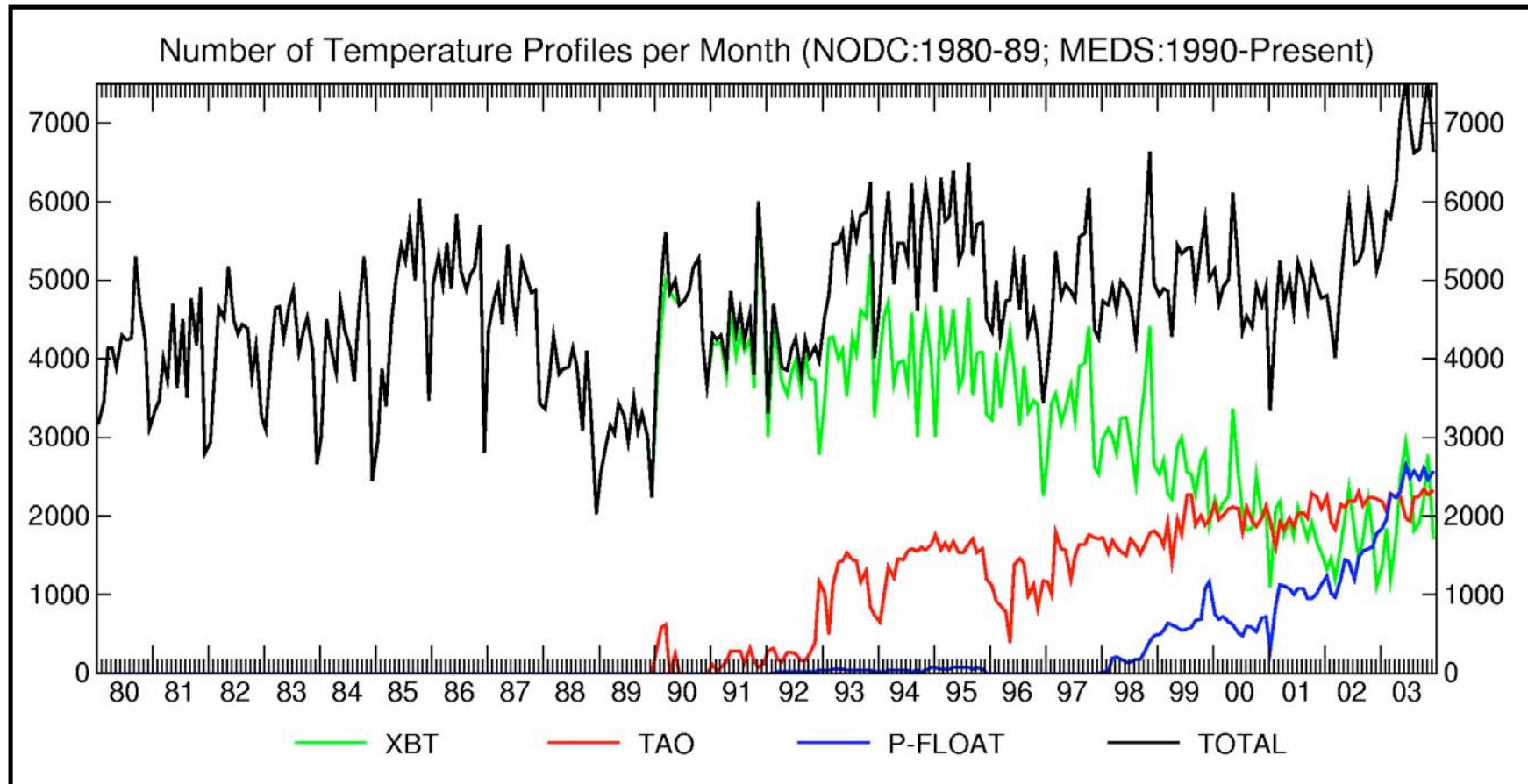
Salinity profiles - April 2004

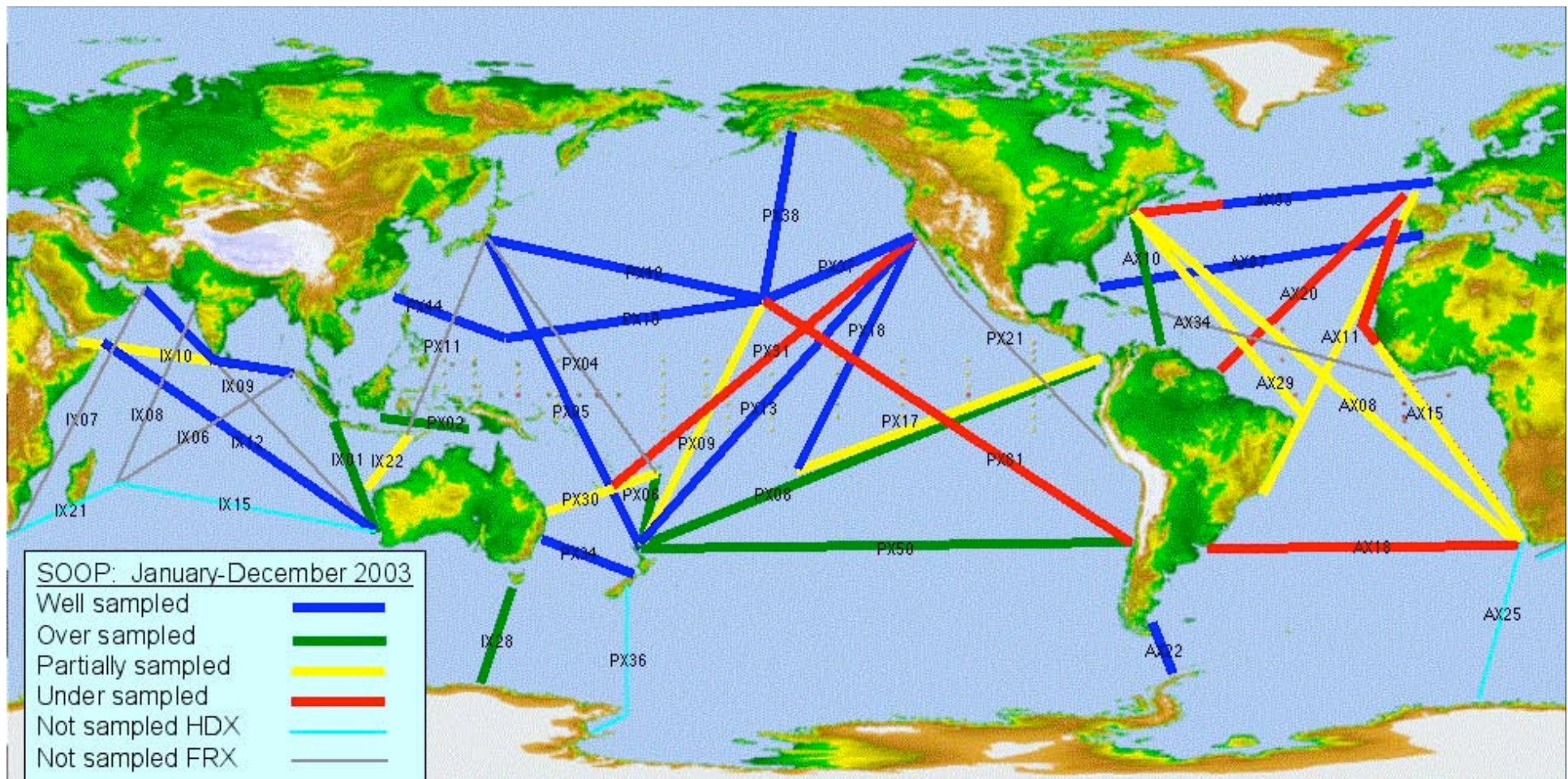
blue - TESAC; red - drifting&moored



ARGO is primary data source & giving unprecedented data volume

Monitoring # Temperature Profiles vs. Time





Performance Reporting - SOOP XBT:

- Required against what is in place
 - 18425 XBTs required per year (if perfect deployment)
 - 14017 Present drops per year, estimate
 - 4408 Additional XBTs needed

JCOMMOPS capabilities increasing