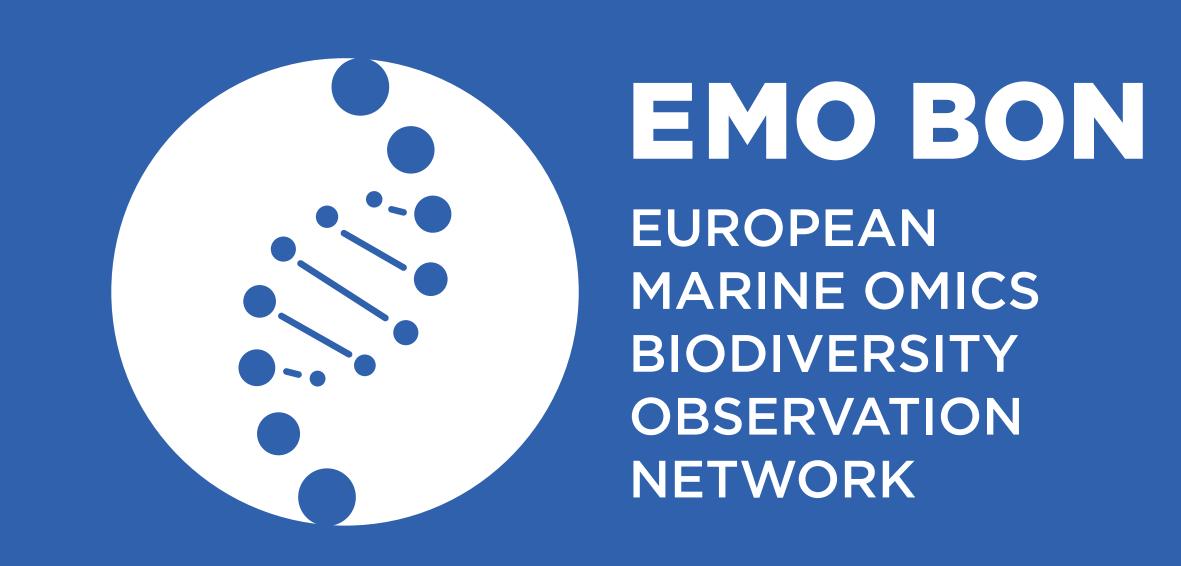
First Results from a Long-term Genomic Observatory

C. Pavloudi, A. Soccodato, I. Santi, & the EMO BON consortium



Monitors biodiversity using eDNA-based techniques for global ocean observation

Shared Standard Operating Procedures

Open access to FAIR and rich (meta)data

Centralised data management

Habitat	Sample type	Collected samples	Sequenced samples	Data size (Gb)
Water column	Microorganisms (0.2 & 3 um fractions)	1 192	774	~5 450
Soft substrates	Microorganisms	488	144	~913
	Meiobenthos	156	43	~43
	Macrobenthos	136	44	~31
Hard substrates	Sessile & motile organisms	504	381	~312
Total		2 476	1 386	~6 749

EMO BON in numbers since its launch (June 21)

Explore EMO BON:



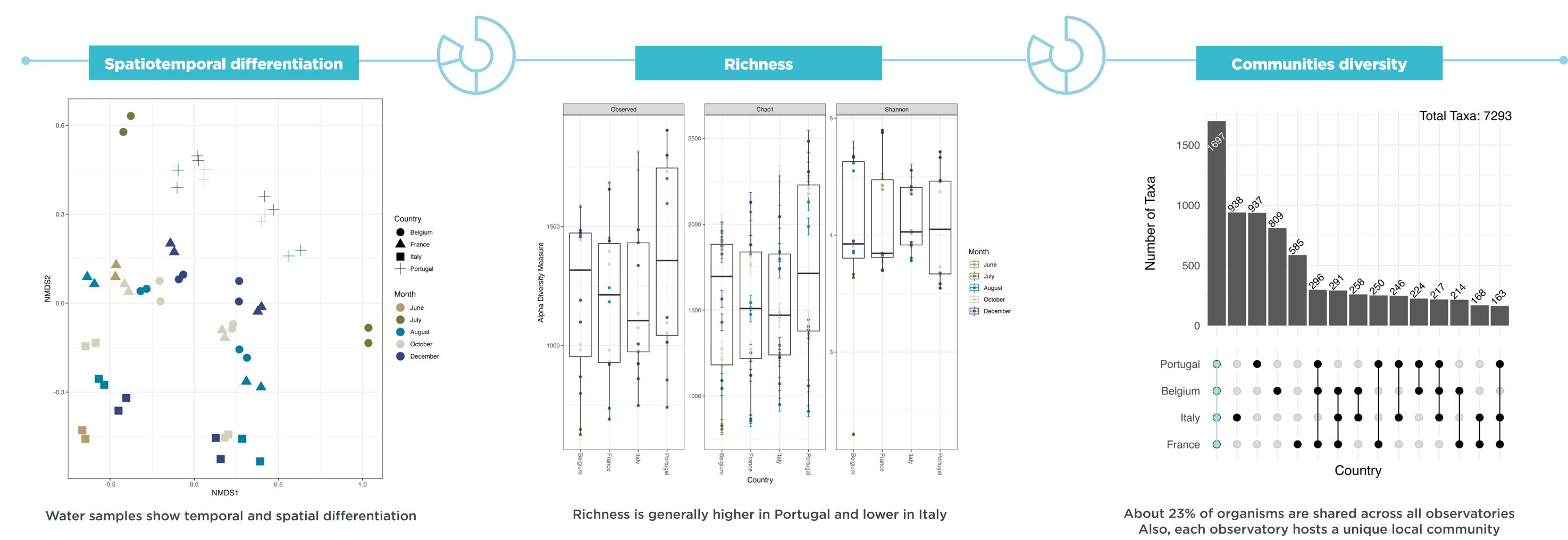
marine sites from the Arctic to the Red Sea

-0marine sites studied

participating countries



How different Water communities are across European seas?



Do Sediment communities follow the same pattern?

