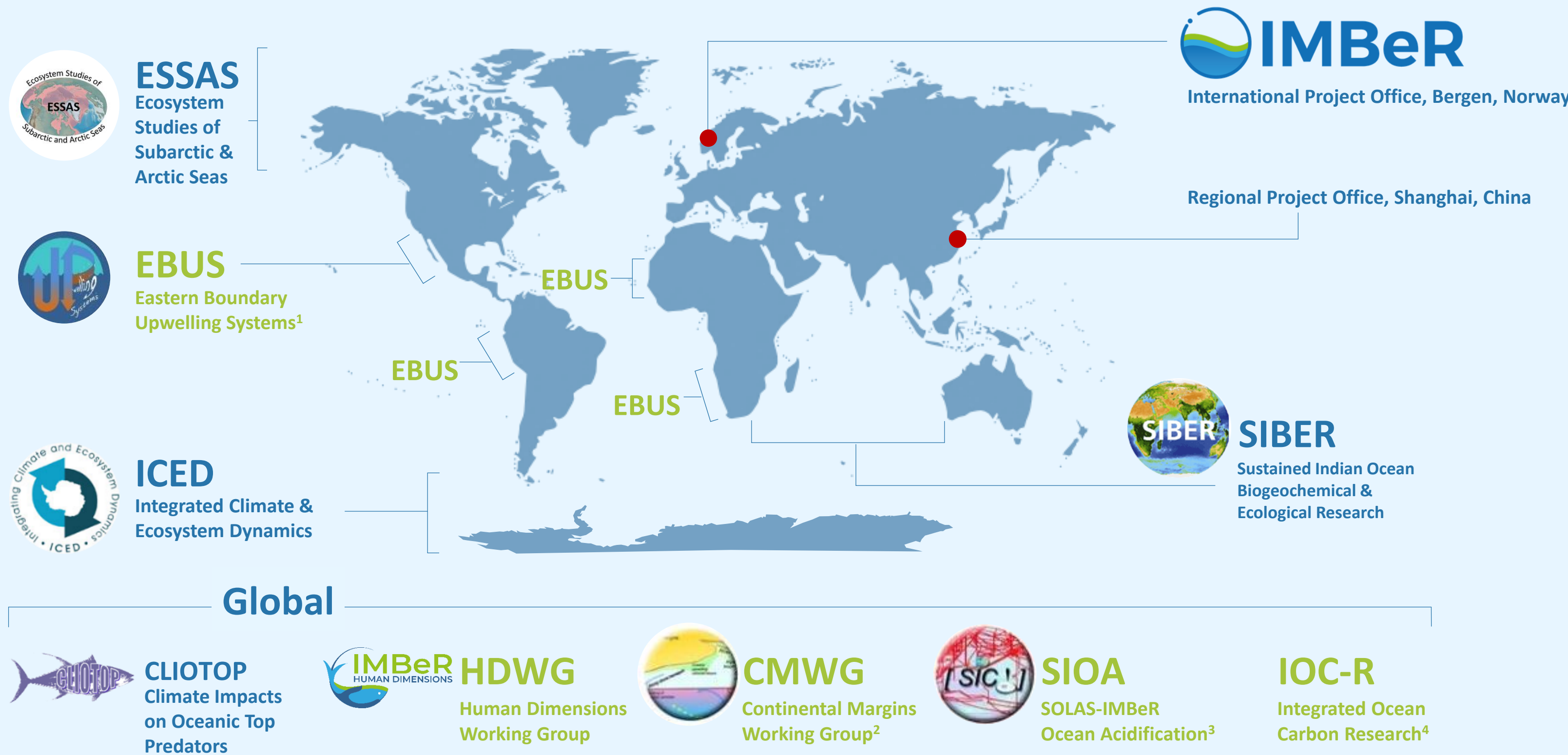


Regional Programmes & Working Groups



¹ EBUS is a collaboration with CLIVAR – Climate and Ocean – Variability, Predictability, and Change; ² CMWG is a collaboration with Future Earth Coasts; ³ SOLAS – Surface Ocean Lower Atmosphere Study; ⁴ IOC-R is a collaboration with SOLAS, Intergovernmental Oceanographic Commission (IOC), International Ocean Carbon Coordination Project (IOCCP), Global Carbon Project (GCP), World Climate Research Programme (WCRP)/CLIVAR

What we do

IMBeR research is conducted through **Regional Programmes, Working Groups, Endorsed Projects** and broad collaborations.

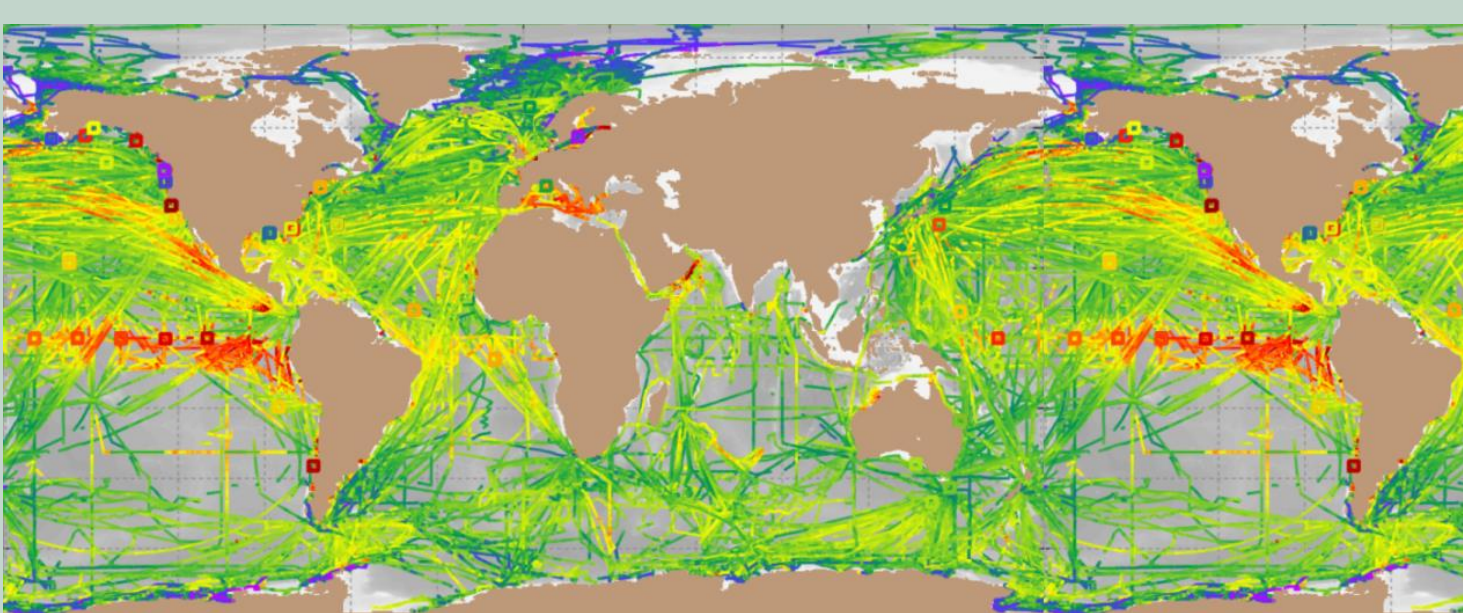
1000+ Publications **2000+** Scientists **80+** Countries

IMBeR science is also advanced through **Conferences & Meetings, Summer Schools, and an Early Career Network**



A core Global Ocean Observing System data product for biogeochemistry endorsed by IMBeR, SOLAS, IOCCP and GOOS.

The Surface Ocean CO₂ Atlas (SOCAT) is a synthesis activity for quality-controlled, surface ocean fCO₂ (fugacity of carbon dioxide) observations by the international marine carbon research community (>100 contributors). SOCAT data is publicly available, discoverable and citable.



Locations of moorings and tracks of ships and drifters for all data in SOCAT version 6.

Science Highlight

SOLAS-IMBeR Interior Ocean Carbon Working Group^[2007-2017], led by Niki Gruber, has determined the amount of man-made CO₂ emissions taken up by the ocean from the atmosphere between 1994 and 2007.

The state of ocean CO₂ uptake

The ocean is an important sink for anthropogenic CO₂. From the beginning of the industrial revolution to the mid-1990s roughly 30% of our emissions have been absorbed by the oceans. This process is an important moderator of climate change, but can we count on it to remain as strong in the future? Gruber et al. calculated the ocean uptake of anthropogenic CO₂ for the interval from 1994 to 2007, which continued as expected. They also observed clear regional deviations from this pattern, suggesting that there is no guarantee that uptake will remain as robust going forward



New Initiative

IOC Working Group on Integrated Ocean Carbon Research
A new initiative on integrated ocean carbon is proposed under the auspices of IOC, in cooperation with IOCCP, SOLAS, IMBeR, GCP, WCRP/CLIVAR, and relevant national efforts on carbon research.