

International GEOTRACES Scientific Steering Committee

The following individuals are the first members of the international GEOTRACES Scientific Steering Committee (SSC). The SSC members were selected to provide a balance of expertise required to oversee the range of scientific activities that will be included in GEOTRACES. Most of the members participated in the GEOTRACES Planning Group as Full or Associate Members. In addition to expertise coverage and balance, the membership balances geographic distribution and gender to the extent that this is possible given the concentration of expertise of trace element chemistry in a relatively few nations. The SSC includes three developing country members and three women. A major activity of GEOTRACES will be to create a broader worldwide expertise in ocean trace element chemistry, which should make it possible to increase the percentage of developing country scientists on the SSC in the future.

Primary Expertise	Country	Other expertise
<u>Marine biogeochemistry of carbon and nutrients</u>		
Robert Anderson	USA - <i>co-chair</i>	Climate change, link between ocean and sediments, Southern Ocean
Minhai Dai	China-Beijing	Coastal and estuarine systems, partitioning of TEIs
Michiel Rutgers van der Loeff	Germany	Water mixing and transport, new production, polar oceans
<u>Trace elements and isotopes as proxies for past climate conditions</u>		
Gideon Henderson	UK - <i>co-chair</i>	Land-sea fluxes
Martin Frank	Switzerland	Continental weathering, ocean circulation
<u>Land-sea fluxes of trace elements/sediment-water interactions</u>		
Per Andersson	Sweden	Continental weathering, coastal systems, Arctic Ocean
Catherine Jeandel	France	Continental weathering, ocean circulation
Sunil Kumar Singh	India	Continental weathering and river inputs to ocean
Felipe Niencheski	Brazil	Submarine groundwater discharges

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Trace element effects on organisms

Phil Boyd	New Zealand	Iron biogeochemistry
Ken Bruland	USA	Coastal systems, speciation, analytical techniques
Hein de Baar	The Netherlands	Iron biogeochemistry, carbon cycle, Southern Ocean
Carol Robinson	UK	Oxygen and carbon cycling

Hydrothermal fluxes of trace elements

Toshitaka Gamo	Japan	Ocean circulation and mixing
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Tracers of ocean circulation

William Jenkins	USA	Air-sea and ice water exchange of gases, climate change
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Tracers of contaminant transport

Pere Masque	Spain	Carbon fluxes, polar oceans
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Tracers of dust deposition

Chris Measures	USA	CLIVAR, data management
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Controls on distribution and speciation of trace elements

Kristin Orians	Canada	Analytical techniques
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Modeling

James Orr	France	Carbon cycle
Reiner Schlitzer	Germany	Paleo-circulation and paleo-productivity, data analysis and visualization