

Evolving and Sustaining Ocean Best Practices III

Capacity Building and Training Research Cruise Training Opportunities

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Project Office for IODE

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United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



Main Types of Research Cruise Training Opportunities

- 1) Dedicated student training cruises:



- 2) Opportunistic research cruise training



- 3) Land-based + cruise training fellowships (Ocean Training Partnership) such as Atlantic Meridional Transect (AMT) and GEOTRACES North Atlantic FRidge cruises:



Summary of the Pro's and Con's

Factors to consider	Dedicated student research cruises training	Opportunistic research cruise training	Land-based and research cruise training
Costs associated	Ship costs, travelling, accomodation, medical certificates (many individuals)	Travelling, accomodation, medical certificates (few individuals)	Travelling, accomodation, medical certificates (one individuals)
Duration	Approx. 10 days	Dependant on the berths available (this may vary)	Up to 3 months (+/-1 month cruise planning + +/-1 month cruise and +/- 1 month post cruise training)
Impact footprint to effort ratio	Up to 50 students	Berths of opportunity (this may vary)	Only 1 individual BUT highly skilled and could potentially train others
Quality of impact (degree of expertise received)	Introductory level, covering basic principals of diverse fields (would include lecture + practical work)	Dependant on research cruise objectives	Highly trained individuals (pre to post cruise)
Width of impact (narrow or holistic)	Holistic: exposure to a variety of fields BUT may be limited in expertise	Holistic: exposure to a variety of fields/but also dependant on the research priority	Holistic in terms of the process (pre to post cruise operations), may/may not be multidisciplinary
Adequacy for specific types of best practices (sample collection, sample processing/analysis)	May cover wide variety of BPs (e.g. sensors, sample collection, data acquisition)	May cover wide variety of BPs (e.g. sensors, sample collection, data acquisition)	May cover wide variety of BPs (sample collection, data acquisition, data processing and analysis/interpretation)
Other? E.g. Human resources	Lecturers, technicians, scientists	Technicians, scientists, etc	Scientists based at institutions/ involved in the project