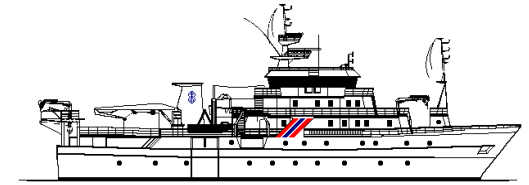


Survey No Title	Start/End dates (No of days)	Countries	Partners	Survey objectives
2010401 BCC Survey No.1 Transboundary Survey Between Namibia and South Africa with Focus on the Shares Stocks of Deep Water Hake	7 January – 28 February (53)	South Africa, Namibia	MCM, IMR, Bergen, Norway	<ul style="list-style-type: none"> To plan and conduct a transboundary survey from Port Alfred to Orange River to produce distribution maps and abundance estimates of the two species of hake to be later merged with similar data from a co-occurring Namibian national demersal survey, to enable complete mapping and assessment of shared stocks, thus providing a measure of the degree of sharing of the stocks at the time of the survey. To collect data on the maturity stages of the hakes to check for possible spawning activity. To collect other relevant data to better understand the environment impact on the distribution of hakes, and the fish community structure in the distribution areas of the hake.
2010402 Survey of the Fish Resources of Angola (Survey of demersal resources)	1-31 March 2010 (31)	Angola	INIP, Angola, IMR, Bergen, Norway	<ul style="list-style-type: none"> To survey, map and describe the distribution, composition and abundance of the main demersal species, with special emphasis on seabreams (Sparidae), croakers (Sciaenidae), grunts (Haemulidae), groupers (Serranidae), hakes (Merlucciidae) and shrimps (<i>Parapenaeus longirostris</i> and <i>Aristeus varidens</i>) on the Angolan shelf and slope (down to 800 m), from Cunene River (17°14"S) to Tombua* (15°40"S), and from Benguela (12°35"S) to Congo River (06°00"S) using bottom trawl and the swept-area method. To collect biological data such as length, weight, sex and maturity stage of <i>Dentex macrophthalmus</i>, <i>D. angolensis</i>,





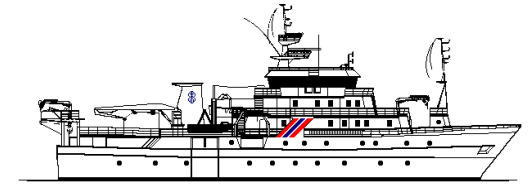
				<p><i>Pagellus bellottii</i>, <i>Pseudolithus senegalensis</i>, <i>Umbrina canariensis</i>, <i>Merluccius polli</i>, <i>Brachydeuterus auritus</i>, <i>A. varidens</i>, <i>P. longirostris</i>, <i>Chaceon maritae</i>, <i>Panulirus regius</i> and Cephalopods.</p> <ul style="list-style-type: none"> • To collect stomach contents for some species such as <i>D. angolensis</i>, <i>P. bellottii</i>, <i>P. senegalensis</i>, <i>U. canariensis</i> and <i>B. auritus</i>, for subsequent analyses at INIP. • To monitor the general hydrographical conditions using CTD-Sonde on each trawl station and map the temperature, salinity and oxygen. • To carry out four monitoring lines (Namibe, Lobito, Palmerinhas and Congo River mouth) using INIP's new standard hydrographical profiles for collection of temperature, salinity and oxygen, water nutrients, phytoplankton and zooplankton.
<p>2010403</p> <p>Marine Environmental Survey of bottom sediments in Ghana</p>	<p>6 April – 27 April (22)</p>	<p>Ghana</p>	<p>EPA, Ghana UCC, Ghana Survey Department, Ghana University of Ghana, Legon Uni Research As, SAM-Marin, Norway IMR, Bergen, Norway Tullow Oil</p>	<p>The survey aims to contribute with essential information especially on the benthic communities and levels of contamination by hydrocarbons and heavy metals in the sediments to establish a baseline.</p> <p>The objective is to provide relevant environmental monitoring, provide elements towards an environmental monitoring plan covering the areas of concern. This will help to understand the local and remote forcing conditions in order to apply appropriate measure to deal with an eventual oil spill.</p>
<p>2010404</p> <p>Survey of the</p>	<p>29 April – 7 May (8)</p>	<p>Ghana</p>	<p>IMR, Bergen, Norway Marine Fisheries Research Division,</p>	<ul style="list-style-type: none"> • to describe the distribution, composition and estimate the abundance of the main demersal species on the outer shelf and slope from 100 – 1000 m depth by a swept-area trawl





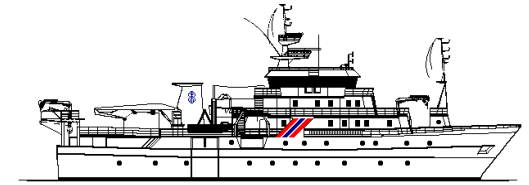
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<p>Demersal Fish Resources of the outer shelf and slope off Ghana</p>			<p>Tema, Ghana California Academy of Science, USA</p>	<p>programme</p> <ul style="list-style-type: none"> to collect zooplankton samples for distribution and abundance estimation to map the general hydrographic regime along the survey transect to provide on-the-job training to local participants in relation to the main survey routines
<p>2010405</p> <p>Survey of the Fish Resources of São Tomé & Príncipe (Survey of the demersal resources)</p>	<p>7 May – 20 May (14)</p>	<p>São Tomé & Príncipe</p>	<p>Direcção das Pescas, São Tomé and Príncipe IMR, Bergen, Norway California Academy of Sciences, USA</p>	<ul style="list-style-type: none"> describe the distribution, composition and estimate the abundance of the main demersal fish species on the shelf by a swept-area trawl programme map the general hydrographic regime by using a CTD to monitor the temperature, salinity and oxygen at bottom trawl stations and on hydrographical transects specially watch out for observed dead fish of the genus <i>Lagocephalus</i> on-the-job training covering main survey routines
<p>2010406</p> <p>Survey of the Pelagic Fish Resources of Gabon, Congo, DRC, Angola and Namibia Part I: Gabon and Congo</p>	<p>18 June – 11 August (12 days for the Part I – 55 days in total)</p>	<p>Gabon Congo GCLME and BCC Area</p>	<p>IMR, Bergen, Norway Direction Générale des Pêches et de l'Aquaculture, Gabon. Direction Générale de la Pêche Maritime, Congo. Department of Biology, University of Kinshasa and ISP-Gombe, R.D. Congo. Department of</p>	<ul style="list-style-type: none"> Estimate the abundance and to map the distribution of the main commercially important pelagic and semi-pelagic fish species in the region, including the two sardinella species <i>Sardinella aurita</i> and <i>S. maderensis</i>, the Cunene horse mackerel <i>Trachurus trecae</i> and other pelagic species. Collect stomach contents and gonads of important pelagic fish species in the region to increase knowledge on feeding and reproductive pattern Map the general meteorological, hydrographical and biological conditions in the survey area by means of continuous recordings of weather data, CTD-casts (Temperature, Salinity and Oxygen),





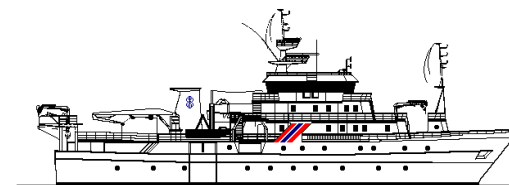
			<p>Biology, UPN, Kinshasa, R.D. Congo. Direcção das Pescas, São Tomé e Príncipe. Nigerian Institute for Oceanography and Marine Research, Lagos. Department of Oceanography and Fisheries, University of Ghana. UNIDO/GCLME, RCU, Ghana. Instituto Nacional de Investigação das Pescas (INIP), Angola</p>	<p>ADCP measurements (Acoustic Doppler Current Profiler) and plankton sampling along acoustical and hydrographical transect lines.</p> <ul style="list-style-type: none"> • Collect bottom sediment samples. • On-the-job training for the local and regional participants on the main survey routines.
<p>2010407</p> <p>Survey of the demersal resources on the western slope of St. Brandon and Nazareth Bank, Mauritius</p>	<p>16 – 25 September (10)</p>	<p>Mauritius</p>	<p>Ministry of Fisheries and Rodriguez, Mauritius IMR, Bergen, Norway</p>	<ul style="list-style-type: none"> • Describe the distribution, composition and estimate the abundance of the main demersal fish species on the shelf and slope by acoustic surveying and fish identification from fish traps and trawls • Map the general hydrographic regime by using a CTD to monitor the temperature, salinity and oxygen at bottom trawl stations and on hydrographical transects along the shelf • On-the-job training covering main survey routines
<p>2010408</p> <p>Pakistan Pelagic</p>	<p>11 – 31 October (21)</p>	<p>Pakistan</p>		<p>Report not available</p>





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Resources				
2010409 Pakistan Demersal Resources	1 – 21 November (21)	Pakistan		Report not available
2010410 SWIOFP / FAO 2010 Cruise 1 (Mauritius and Southern Mascarene: Pelagic Ecosystem Survey)	7 – 21 December (16)	Mauritius and Southern Mascarene Plateau	Ministry of Fisheries & Rodriguez, Mauritius Seychelles Fishing Authority, Seychelles Mauritius Oceanography Institute, Mauritius Kenya Marine and Fisheries Research Institute, Kenya Tanzania Fisheries Research Institute, Tanzania Oceanographic Research Institute, Durban, South Africa and South West Indian Ocean Fisheries Project IMR, Bergen, Norway	<ul style="list-style-type: none"> • To determine the distribution and abundance of small pelagic fish resources along the coast of Mauritius and the in the continental shelf waters of Southern Mascarene using acoustics methods and a systematic grid survey strategy. • To use regular midwater trawls on target fish aggregations for species composition, biological information and genetic material of selected small pelagic fishes for fisheries resource assessment purposes. • To establish the distribution, abundance and composition of other organisms at a number of trophic levels along the shelf. (Phytoplankton, zooplankton, cetaceans and sea birds) • To establish, as far as possible, the productivity, biodiversity and biomass of the pelagic ecosystem. • To investigate mesopelagic and, where bottom-trawlable conditions exist, spot check demersal fish species diversity and abundance. • Where possible, link various sources of energy and nutrition to different food-web compartments. • Capacity building of SWIOFP and ASCLME trainees and young scientists.





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