

General Programme

	Wednesday, October 29th	
08:30-09.00	Participant registration	
09:00-09:30	Opening session	
09:30-10:30	Session 1 – Plenary Session Room “Duarte Pacheco Pereira”	
10:30-11:00	Coffee Break “Salão Nobre Pedro Nunes”	
	Room “Duarte Pacheco Pereira”	Room “D. João de Castro”
11:00-12:30	Session 2A SC1: Nature and structure of the Iberian continental margin and Macaronesia	Session 2B ST1: Microplastic pollution: analysis methodologies and impacts on ecosystems SC13: Biogeochemical processes and atmosphere/ ocean/sediment interactions
12:30-14:00	Lunch Break Multipurpose Room	
14:00-15:45	Session 3A SC9: Geological record of extreme marine events SC11: Oceanic volcanism, mineralisation and submarine hazards	Session 3B SC5: Marine biology and ecosystems
15:45-16:00	Coffee Break “Salão Nobre Pedro Nunes”	
16:00-17:00	Session 4 – Poster Presentations	
17:00-18:15	Session 5A SC13: Biogeochemical processes and atmosphere/ ocean/sediment interactions	Session 5B SC7: Underwater historical heritage and geoarchaeology
20:30-22:00	Symposium Dinner	
	Thursday, October 30th	
09:30-10:30	Session 6 – Plenary Session Room “Duarte Pacheco Pereira”	
10:30-11:00	Coffee Break “Salão Nobre Pedro Nunes”	
	Room “Duarte Pacheco Pereira”	Room “D. João de Castro”
11:00-12:30	Session 7A SC12: Numerical modelling of processes in the marine environment	Session 7B SC2: Dynamics, sedimentation and environmental evolution of the coastal zone
12:30-14:00	Lunch Break Multipurpose Room	
14:00-15:15	Session 8A - SC12: Numerical modelling of processes in the marine environment	Session 8B - SC2: Dynamics, sedimentation and environmental evolution of the coastal zone
15:15-15:45	Coffee Break “Salão Nobre Pedro Nunes”	
15:45-16:45	Session 9 - Poster Presentations	
17:00-17:30	Closing Session with Awards Ceremony for Young Researchers	
	Friday, October 31th	
09:00-19:00	Field Trip	



Detailed Programme

Wednesday, October 29th
Room “Duarte Pacheco Pereira”

Session 2A		
SC1: Nature and structure of the Iberian continental margin and Macaronesia		
11:00-11:15	Davide Gamboa, Diogo Leite and Cristina Roque.	<i>Insights into the submarine channels in the Nazaré Canyon submarine fan, offshore Western Portugal</i>
11:15-11:30	Anabela Oliveira, Joaquim Pombo, Nuno Lapa, Joao Duarte, André Vinhas, Sandra Moreira and Aurora Rodrigues Bizarro.	<i>Exploring Holocene marine depositional system off Sado river (Portugal)</i>
11:30-11:45	Sandra Moreira, Rui Quartau, Anabela Oliveira, Joaquim Pombo, Aurora Rodrigues, Nuno Lapa, Mónica Ribeiro and Andre Vinhas.	<i>Cross-Shore Sediment Transport and Depositional Patterns of a Clinoform on the Northeastern Madeira Shelf: From Siliciclastic to Mixed Siliciclastic-Carbonate Deposition</i>
11:45-12:00	Innocentini Simone, Rui Quartau, Madeira José, Casalbore Daniele, Brito Pedro and Aurora Bizarro.	<i>Morpho-stratigraphic characterization and seafloor sediment distribution on the shelf of Corvo Island (Azores Archipelago)</i>
12:00-12:15	Anabela Oliveira, Sandra Moreira, Joaquim Pombo, Nuno Lapa, Joao Duarte, Aurora Rodrigues, Geraldo Taranto and Telmo Morato.	<i>Soft sediments from northern MAR – Azores plateau: preliminary mineralogical and geochemical results</i>
12:15-12:30	Pedro Costa, Ágata Dias, Rui Quartau, Sandra Moreira, Ruben Santos and João Duarte.	<i>Compositional Diversity of Seafloor Sediments at the Gigante Seamount Complex (GSC; Azores Plateau): Tracing Biogenic, Volcanic, and Hydrothermal Source</i>

Session 3A		
SC9: Geological record of extreme marine events		
SC11: Oceanic volcanism, mineralisation and submarine hazards		
14:00-14:15	Rui Quartau, Innocentini Simone, Zhongwei Zhao and Aurora Bizarro.	<i>Submarine landslide on the shelf of Corvo Island triggered during the winter of 2018?</i>
14:15-14:30	Ricardo Henriques, Pedro Costa, Ivana Bosnic and Francisco Dourado.	<i>Modelação Numérica de um Tsunami em Verde Lago, Algarve</i>
14:30-14:45	Natércia Marques, Pedro Costa and Pedro Pina.	<i>Quartz grain microtexture analysis using Artificial Intelligence: applications on tsunami and storm deposits provenance studies</i>
14:45-15:00	Ricardo Correia, Manel Prada, Valentí Sallarès, Alejandra L. Cameselle, Luis Menezes Pinheiro, Ingo Grevemeyer and César Rodríguez Ranero.	<i>Deep crustal structure and seismogenic potential of the SW Iberian Margin from new seismic and gravity constraints</i>
15:00-15:15	Cristina Roque, Sónia Manzoni and João Duarte.	<i>Imaging the seismogenic sources of the 1941 and 1975 great strike-slip earthquakes (Central NE-Atlantic)</i>
15:15-15:30	Cristina Roque, Davide Gamboa and Vitor Magalhães.	<i>Sediment faulting and fluid migration in the Madeira Abyssal Plain (Central NE-Atlantic)</i>
15:30-15:45	Susana Gonçalves, Cristina Roque and Fernando Artileiro.	<i>Crustal Thickness Modeling in the Azores Region Using Tesseroid-Based Gravity Methods</i>

Session 5A		
SC13: Biogeochemical processes and atmosphere/ocean/sediment interactions		
17:00-17:15	Elena Tel, Ruben Acerbi, Marta Alvarez, Rocio Fernandez-Graña, Maribel Garcia-Ibañez, Gonzalo Gonzalez-Nuevo, Cesar Gonzalez-Pola, Blanca Marigomez, Fernando Redondo, Manuel RuizVillarreal, Lucia Sanz-Pinilla and Amaia Viloria.	<i>Exploring 20 years of biogeochemical data on the Finisterre Section</i>
17:15-17:30	Alexandra Cravo, Erwan Garel, José Jacob, Ernestina Rodrigues and Marta Rodrigues.	<i>Projeto CONNECT+: Aplicação à Ria Formosa</i>
17:30-17:45	Marta Álvarez, Blanca Marigomez Roldan, Rocío Fernández Graña, Rubén Acerbi and Cesar Gonzalez Pola.	<i>The RADPROF program (2003-2023): twenty years of hydrographic data in the North East Atlantic ocean</i>
17:45-18:00	Isabel Mendes, Julia Lübbers, Joachim Schönfeld, Ana Rita Carrasco, Ana Gomes, Patricia Grasse and Alexandra Cravo.	<i>Alkalinity enhancement field experiment in a saltmarsh as a carbon dioxide removal measure (CDR)</i>
18:00-18:15	João Vitorino, Nuno Zacarias, Inês Martins, Ana Mateus and Ramalho Guerreiro.	<i>An in-depth look at the dynamics of a long and narrow submarine canyon (Nazaré Canyon – W Portugal)</i>

Wednesday, October 29th
Room “D. João de Castro”

11:00-12:30	Session 2B <i>ST1 Microplastic pollution: analysis methodologies and impacts on ecosystems</i> <i>SC13: Biogeochemical processes and atmosphere/ocean/sediment interactions</i>	
11:00-11:15	Sofía González-Pérez, Manuel Ruiz-Villarreal, Adrián Sanjurjo-García, Gonzalo González-Nuevo, Luz María García-García, Justino Martínez, Jordi Isern-Fontanet and Emilio García-Ladona.	<i>Using Singularity Exponents and Lagrangian Coherent Structures to assess the impact of freshwater fronts in the Toconao pellet spill</i>
11:15-11:30	Rafaela Fernandes, Paul-Tiberiu Miclea, Marta Fadda, Mara Putzu, A. Sacco, Andrea M. Rossi, Andrea M. Giovannozzi, Marta Barbaresi, Matteo Masino, Monica Mattarozzi, Maria Careri, Carla Palma, José Almeida, Claudia Drago, Ulrike Braun, Olivier Pellegrino, Raquel Quendera and Ricardo Silva.	<i>Inter-instrument definition of valid criteria for the automatic identification of microplastics by micro-Raman spectroscopy</i>
11:30-11:45	Carla Palma, José Almeida, Vanessa Morgado, Matilde São Pedro and Ricardo Silva.	<i>Avaliação da contaminação por microplásticos com incerteza no oceano Atlântico ao largo de Cabo Verde</i>
11:45-12:00	Carla Palma, J.M. Almeida, L. Duarte, Carlos Borges and Ana Catarina Rocha.	<i>Nutrient and heavy metal distribution in the water column at the Nazaré Canyon</i>
12:00-12:15	José Miguel Almeida, Leila Duarte, Célia Macedo, Carlos Borges and Carla Palma.	<i>Distribuição de metais em águas na costa Algarvia</i>
12:15-12:30	Ana Catarina Rocha, Luis Brás Gomes, Carolina Neto and Carla Palma.	<i>Avaliação espaço-temporal e identificação de fonte de hidrocarbonetos aromáticos policíclicos em sedimentos costeiros de Portugal Continental</i>
14:00-15:30	Session 3B <i>SC5: Marine biology and ecosystems</i>	
14:00-14:15	María Díez-Muñoz, Ricardo López-Alonso, Emma Shorter-Rodríguez, Pablo Pereda-Bezanilla, Esteban Pascual-Parra, Veronica Soto-López, Deva Menéndez-Teleña, Claudia González-Toral, Eduardo Cires, Andrés Arias and José Manuel Rico.	<i>Checklist of Marine and Estuarine Non-Indigenous Species in the Bay of Biscay</i>
14:15-14:30	Daniel Rodriguez Abal, Manuel Ruiz-Villarreal, Gonzalo González-Nuevo González, Julio Valeiras, Mateo Barreiro, Esther Abad, Tamara Rodríguez, Pablo Prieto, Cecilia Grela and Javier Cacheiro.	<i>Ejemplos de casos de uso para la Plataforma Integrada de datos del Plan Complementario de Ciencias Marinas de Galicia</i>
14:30-14:45	Nuria Mondéjar, Inés Viana, Rita García-Seoane, Jaime Otero and Antonio Bode.	<i>Trophic niches of zooplankton and planktivorous fish in NW Iberia characterized by stable isotopes in bulk samples and amino acids</i>
14:45-15:00	Layane Gonçalves, Ana Amorim, Marta Pimentel, Vera Veloso, Joana Cruz and Ana Brito.	<i>Spatio-temporal variability of mixoplankton along the Portuguese coast</i>
15:00-15:15	Enrique Ostalé-Valriberas, Antonio Martín-Zorrilla, Álvaro Sabino-Lorenzo, Altai Pavón-Paneque and José Carlos García-Gómez.	<i>Translocation and monitoring of the endangered mollusc <i>Patella ferruginea</i> associated with the emergency works to repair the damage caused by the storms of March and April 2022 on the coast of Ceuta: specific study of adaptability and survival rates.</i>
15:15-15:30	Emma Shorter Rodriguez, Ricardo Lopez Alonso, Esteban Pascual Parra, María Díez Muñoz, Verónica Soto López, Deva Menéndez Teleña, Pelayo Rico Fernández, Pablo Pereda Bezanilla and José Manuel Rico Ordás.	<i>Functional Response Analysis of the Polyclad Flatworm <i>Postenterogonia orbicularis</i>: Implications for Predator-Prey Dynamics</i>
17:00-18:15	Session 5B <i>SC7: Underwater historical heritage and geoarchaeology</i>	
17:00-17:15	Gonçalo Lopes and Joana Baço.	<i>MUCH Lagos - Maritime and Underwater Cultural Heritage and the evolution of the seascape of Lagos</i>
17:15-17:30	Juan L. Garzon Hervas, Lara Mills, Flavio Martins, Panagiotis Michalis, Sonia Oliveira, Cristina Veiga-Pires, Claudio Mazzoli, Ludovica Pia Cesareo, Luigi Germinario and Vassilia Karathanassi.	<i>Interdisciplinary research and innovation for improving Underwater Cultural Heritage management</i>
17:30-17:45	Patrícia Jordão and Nuno Pimentel.	<i>Geoarchaeological walks through the Cenomanian flint of the Western Iberian Margin</i>
17:45-18:00	Ana Maria Costa, Margarida Silva, Ana Luísa Rodrigues and Maria da Conceição Freitas.	<i>Characterization of ancient Lisbon Estuarine Beaches</i>
18:00-18:15	Susana Costas, Ana Costa, Ana Luisa Rodrigues, Rosa Marques, Dulce Russo and Ana Cristina Araújo.	<i>Did aeolian sand invasion impact human settlement patterns during the Mesolithic of SW Iberia?</i>

Wednesday, October 29th
“Salão Nobre Pedro Nunes”

16:00-17:00	Sessão 4 Poster Presentations	
A	Lucía Rivas Iglesias, Eleanor Casement, Deva Menéndez Teleña, Verónica Soto-López and Eva García-Vázquez.	<i>High microplastic concentration in limpets points at a plastic hotspot in the north Iberian cantabric shelf</i>
B	Sergio Villoria, Gustavo Blanco-Heras, Jesús Gago, Ana Filgueiras, Concepción Martínez-Gómez and Lucía Viñas.	<i>Blue crab (<i>Callinectes sapidus</i>) as a microplastic pollution indicator in coastal environments</i>
C	Eva Cacabelos, Jesús Gago and Pablo Otero.	<i>Sampling microplastic in surface waters: what method to choose?</i>
D	Beatriz Rincon, Maria Huerta, Ana Aja, Lara Arroyo, Ignacio Bolado, David Díaz and Alberto Serrano.	<i>Preliminary characterization of the macrofauna associated to <i>Gelidium corneum</i> habitats in the infralittoral rocky coasts of Cantabria (Northern Spain)</i>
E	Maria Huerta, Beatriz Rincon, Ana Aja, Ignacio Bolado, Lara Arroyo, Alejandro Martín, Susana Díez, David Díaz and Alberto Serrano.	<i>Fish communities of infralittoral rocky bottoms in North Spain (Northeast Atlantic)</i>
F	Emma Shorter Rodríguez, Ricardo López Alonso, Esteban Pascual Parra, María Díez Muñoz, Verónica Soto López, Deva Menéndez Teleña, Pelayo Rico Fernández, Pablo Pereda Bezanilla and Jose Rico.	<i>Morphological and Developmental Stages of Embryogenesis and Larval Growth in <i>Postenterogonia orbicularis</i></i>
G	Sara Román, Ana Rodríguez-Rúa, Carlos Caro de la Barrera, Carlos Farias, Miriam Sayago, Raúl Jiménez-Romero, Juan Gil, Marina Delgado and Manuel María González-Duarte.	<i>Impact of epibionts on Habitat Forming Species: The case of the octocoral <i>Paramuricea tingitana</i> (Cnidaria, Octocorallia, Malacalcyonacea) in the Gulf of Cádiz</i>
H	Laura García-Guillén, M.E. Manjón-Cabeza, J. Cristobo and Pilar Ríos.	<i>Protocol for a reliable database using Echinoderms of Spanish waters: cleaning, validation and visualization</i>
I	Laura García-Guillén, M. González-Martínez, J. Cristobo, F. González, P. Baragaño and Pilar Rios.	<i>Impacts of abandoned fishing gear on vulnerable organisms in the El Cachucho Marine Protected Area</i>
J	Ana Filgueiras, Jesica Bargiela, Begoña Pérez-Fernández and Lucía Viñas.	<i>First insight of hydroxypyrene bile metabolite in <i>Merluccius merluccius</i> in the Iberian Atlantic coast</i>
K	Deva Menéndez-Teleña, Verónica Soto-López, Karim Erzini, Pedro Guerreiro and Eva Garcia-Vazquez.	<i>From Sargasso to Southern Portugal: Maritime Traffic and Noise as Barriers to European Eel Migration in the Arade and Guadiana Rivers</i>

Thursday, October 30th
Room “Duarte Pacheco Pereira”

Session 7A SC12: Numerical modelling of processes in the marine environment		
11:00-12:30		
11:00-11:15	Daniele Aromatario, Giacomo Dieci, António Maximiano and Guilherme Vaz.	<i>A Digital Twin of the wave field in Azores: from wind to high fidelity phase-resolved waves</i>
11:15-11:30	Frederico Romão, Márcia Lima, Susana Costas and Carlos Coelho.	<i>Caracterização da Agitação Marítima e Tempestades da Costa Ocidental Portuguesa, com Recurso a Bases de Dados Modeladas</i>
11:30-11:45	Carolin Poullain and Juan L. Garzon.	<i>Investigation of the suitability of machine learning for improving wave height forecasts in the Iberian Peninsula</i>
11:45-12:00	Luisa Lamas, Nuno Zacarias, Manuel Narayan, Paulo Pinto, Vânia Lima, Telmo Dias, Cesário Videira and Teotónio Barroqueiro.	<i>Artificial Intelligence for Short-Term Forecasting of Ocean Surface Currents in the South Coast of Iberia</i>
12:00-12:15	Jose Alves and Rui Caldeira.	<i>Evolution of wind stress and mixed layer depth in the Canary and California upwelling systems from 1981 to 2020</i>
12:15-12:30	Anika Manz, Juan L. Garzon, Flávio Martins and Lara Mills.	<i>Integrated wave-current modelling of the Arade estuary</i>

Session 8A SC12: Numerical modelling of processes in the marine environment		
14:00-15:15		
14:00-14:15	João Vitorino and Vânia Lima.	<i>ICCOE- A Virtual Laboratory to explore the coastal ocean</i>
14:15-14:30	Gonzalo González-Nuevo González, Lucia Sanz, Daniel Rodríguez-Abal, Adrian Sanjurjo, Sofia González, Cristina García, Jaime Otero, María Luz García, Elena Tel and Manuel Ruiz-Villareal.	<i>Data harmonization and availability as key elements in knowledge generation: A case study of small pelagic fish egg data for Individual-Based Early Life Stage Models</i>
14:30-14:45	Manuel Ruiz Villarreal, Sofía González-Pérez, Adrián Sanjurjo García, Gonzalo González-Nuevo, Luz María García García, Daniel Rodríguez-Abal and Paz Sampedro.	<i>Lagrangian simulations of Early Life Stages of Iberian sardine and European anchovy in the Atlantic Iberian margin</i>
14:45-15:00	Adrián Sanjurjo-García, Cristina García-Fernández, Daniel Rodríguez-Abal, Paz Sampedro, Jaime Otero, Manuel Ruiz-Villarreal, Sofía González-Pérez, Luz María García-García and Gonzalo González-Nuevo.	<i>Integración de observaciones y modelos para refinar la comprensión de la dinámica temprana de la merluza europea en el Atlántico noreste</i>

Thursday, October 30th
Room “D. João de Castro”

11:00-12:30	Sessão 7B <i>SC2: Dynamics, sedimentation and environmental evolution of the coastal zone</i>	
11:00-11:15	Valeria Fanti, Vincent Kümmerer, Jacqueline Santos and Susana Costas.	<i>Cyclic bulge attachment updrift of a natural ebb-tidal delta</i>
11:15-11:30	Jacqueline Santos, Susana Costas, Rui Taborda, Juan Garzon and Teresa Drago.	<i>Challenges in assessing longshore transport along the Eastern Algarve coast: insights from analysis of different wave data sources</i>
11:30-11:45	Ana Alberto, Alina Shchepetkina, Teresa Drago, Conceição Freitas, Vitor Magalhães and Vera Lopes.	<i>Tomografia computadorizada como suporte para a interpretação paleoambiental do estuário do Rio Lima, Portugal.</i>
11:45-12:00	Mariana Neves Silva, Rui Taborda, Ana Nobre Silva, Afonso Vaz, Celso Aleixo Pinto, Jacqueline Santos, Sebastião Teixeira and Susana Costas.	<i>Monitoring beach nourishment performance with satellite-based analysis: the case of the Forte Novo - Garrão coastal stretch (Portugal)</i>
12:00-12:15	Miguel Inácio and Maria da Conceição Freitas.	<i>Tavira marsh evolution assessment in a sea-level rise context</i>
12:15-12:30	A. Rita Carrasco, João Duarte, Inês Carneiro, Marta Silva and Katerina Kombiadou.	<i>Assessing tidal wetland ecosystem services in the future through remote sensing and modelling</i>

14:00-15:15	Sessão 8B <i>SC2: Dynamics, sedimentation and environmental evolution of the coastal zone</i>	
14:00-14:15	Rui Taborda, Ana Bastos, Ana Silva, Cesar Andrade, Cristina Ponte Lira, Diogo Mendes, Mafalda Carapuço, Mónica Ribeiro and Tanya Silveira.	<i>How resilient are Portuguese beaches? A decade later – Impacts and recovery of sandy beaches after the 2014 Christina storm on the central-western Portuguese coast</i>
14:15-14:30	João Cascalho, Rui Taborda, Teresa Drago and Marcos Rosa.	<i>Shoreface sedimentary dynamics revealed by a fluorescent tracer experiment</i>
14:30-14:45	Cesar Andrade, Ana Bastos, Ana Nobre Silva and Rui Taborda.	<i>A field-based approach to the aerodynamic and equivalent roughness at a sand beach – first results</i>
14:45-15:00	Virgínia Martins, João Alveirinho Dias, João Moreno, D. Terroso, E. Salgueiro and Fernando Rocha.	<i>Coupling/decoupling of surface and deep ocean processes during the upper Pleistocene and Holocene off the NW Iberian Margin</i>
15:00-15:15	Miguel Gonçalves, Francisco Fatela, M. Cristina Cabral and Teresa Drago.	<i>Foraminifera and Ostracoda assemblages in the Tavira salt marsh (SE Portugal) under autumnal conditions – preliminary results</i>

Thursday, October 30th
“Salão Nobre Pedro Nunes”

15:45-16:45	Sessão 9 Poster Presentations	
L	Aitor Marqués-Alonso, Jesús Ángel García-Maza, Miguel Ángel Reyes Merlo and Deva Menéndez-Teleña.	<i>Evaluación de métodos de bajo coste para el monitoreo de corrientes de resaca: In-tegración de GNSS-RTK y trazadores biodegradables</i>
M	Raúl Jiménez Romero, Miriam Sayago Gil, Olga Sánchez Guillamón, Izaskun Villar Menéndez, Juan Tomás Vázquez Garrido and Luis Miguel Fernández Salas.	<i>Volcanic and erosional morphologies on the insular slope of La Palma (Canary Islands): A geomorphological approach to edifice evolution</i>
N	Joaquim Pombo, Anabela Oliveira, Aurora Rodrigues, João Duarte, Sandra Moreira, Nuno Lapa, Gerald Taranto and Telmo Morato.	<i>Preliminar Sedimentological and magnetic susceptibility characterization of Box-Cores from the Mid-Atlantic Ridge</i>
O	Luis Miguel Fernandez Salas, Ricardo Sánchez Leal, Francisco Javier Hernández Molina, Izaskun Villar Menendez, Desiree Palomino Cantero and Margarita García García.	<i>Control batimétrico y estructuración interna de la MOW: evidencias preliminares a partir de la geomorfología derivada del BPI</i>
P	Pedro Lourenço, Carlos Loureiro and Bruno Rodrigues.	<i>Evolução recente do sistema praia-arriba de Forte Novo</i>
Q	Ana Alberto, Teresa Drago and Conceição Freitas.	<i>Caracterização da sedimentação recente da Baía de São Paio e da Praia do Cabedelo (Douro, Portugal).</i>
R	Teresa Drago, Ana Alberto and João Cascalho.	<i>Application of Micro-Raman spectroscopy as a tool for the identification of sediment mineralogy</i>
S	Rúben Santos, Cristina Monteiro, Marina Miranda and Carlos Rubio Marques.	<i>Determinação da profundidade na região costeira de baixa profundidade através de imagens multiespectrais de satélite</i>
T	João Moreno, Francisco Fatela, Filipa Moreno, Eduardo Leorri, Manel Leira, Maria da Conceição Freitas and Pere Masqué.	<i>Reconstructing Environmental Quality in the Sado Estuary (Portugal): A Palaeoecological Record Based on Benthic Foraminifera</i>
U	Pedro Pires da Rocha, Theocharis Plomaritis and Susana Costas.	<i>Beyond the Label: Do NbS Fulfill the Scope of EC and IUCN Definitions?</i>
V	L. Almeida, Fernando Rocha and Carla Candeias.	<i>Therapeutic potential of saline materials from the Portuguese Atlantic Coast</i>