

EOF



VIII Encuentro Oceanografía Física

PROGRAMME

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Organiza



Universidad
Católica de
Valencia
San Vicente Mártir

Colabora



AJUNTAMENT
DE VALÈNCIA



Coorganiza



Universitat d'Alacant
Universidad de Alicante



UNIVERSITAT DE
BARCELONA



UCA
Universidad
de Cádiz



ULPGC
Universidad de
Las Palmas de
Gran Canaria

UniversidadeVigo

Patrocina



AXFLOW

CIM
Centro de Investigación Mariña
UniversidadeVigo



ocean net s.l.
DEEP KNOWLEDGE - QUALITY INSTRUMENTS

VIII ENCUENTRO DE LA OCEANOGRAFÍA FÍSICA



PROGRAMME

WEDNESDAY, 10TH JULY 2024

TIME	SESSIONS	PLACE
09:00 - 10:00 h	Registration at the Technical Secretariat	VELES E VENTS BUILDING (Ground floor)
10:00 - 10:45 h	Opening Ceremony	VELES E VENTS BUILDING Main conference room (3rd floor)
10:50 - 11:50 h	Plenary Session 1 "THE HISTORY OF UNDERWATER HABITATS" Roger García Florida International University (USA) Moderator: Ana Blázquez	VELES E VENTS BUILDING Main conference room (3rd floor)
11:50 - 12:30 h	Poster session and coffee	VELES E VENTS BUILDING Terrace (3rd floor)
12:30 - 14:00 h	Oral Session 1a Coastal oceanography Moderator: Ángel Rodríguez con Marina Bolado	VELES E VENTS BUILDING Conference room (2nd floor)
12:30 - 12:45 h	IMPACT OF COASTAL BREEZES ON SURFACE CURRENTS IN THE GULF OF CADIZ (SPAIN) Esther Luján	
12:45 - 13:00 h	TOWARDS A BETTER COMPREHENSION OF THE INTERACTION BETWEEN COASTAL BREEZES AND UPPER SYNOPTIC WINDS Carlos Román	
13:00 - 13:15 h	A THEORETICAL POINT OF VIEW OF THE KORTEWEG-DE VRIES EQUATION AND ITS CONNECTION TO THE OCEANOGRAPHY Daniel Lucero	
13:15 - 13:30 h	SEAGRASSES MEADOWS PROVIDE ESSENTIAL COASTAL PROTECTION UNDER CLIMATE CHANGE Julia Jaca	
13:30 - 13:45 h	ENHANCING BARRIER BEACH RESILIENCE WITH EMBRYONARY DUNES Manuel Espino	

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13:45 - 14:00 h	4D EVOLUTION OF A RIVER PLUME FROM MULTIPLATFORM OBSERVATIONS AND MODEL DATA Anna Rubio	VELES E VENTS BUILDING Conference room (2nd floor)
14:00 - 15:30 h	Lunch	Local restaurants
15:30 - 16:30 h	Oral Session 1b Coastal oceanography Moderator: Ángel Rodríguez con Julia Jaca	VELES E VENTS BUILDING Conference room (2nd floor)
15:30 - 15:45 h	METEOTSUNAMIS IN THE WESTERN MEDITERRANEAN: REGIONAL ANALYSIS FROM HIGH FREQUENCY SEA LEVEL OBSERVATIONS - Joan Villalonga	
15:45 - 16:00 h	ROLE OF MIXING ON PHYTOPLANKTON BLOOM INITIATION, MAINTENANCE AND DISSIPATION IN THE GALICIAN RÍAS (REMEDIOS) - Beatriz Mouriño	
16:00 - 16:15 h	DINOPHYSIS ACUTA BLOOMS ON THE NORTHWESTERN IBERIAN SHELF: A COMPARATIVE STUDY OF A ROBUST, MID AND NULL ADVECTION YEARS - Elisabet Rodríguez	
16:15 - 16:30 h	DISPERSAL MODELING OF THE INVASIVE ALGAE RUGULOPTERYX OKAMURAE IN THE STRAIT OF GIBRALTAR AND ADJACENT BASINS - Irene Nadal	
16:30 - 16:45 h	EVOLUTION OF A COASTAL SYSTEMS STRONGLY INFLUENCED BY HUMAN PRESSURE/ACTIVITIES Juan Montes	
16:45 - 17:45 h	Oral Session 2a Small, submesoscale and mesoscale processes Moderator: Anna Rubio con Irene Nadal	VELES E VENTS BUILDING Conference room (2nd floor)
16:45 - 17:00 h	GLOBAL TRENDS IN EDDY KINETIC ENERGY FROM ALTIMETRY: ARE THE OCEANS BECOMING MORE ENERGETIC? Bàrbara Barceló	
17:00 - 17:15 h	SUBMESOSCALE SYMMETRIC INSTABILITIES AND MIXING PROCESSES IN FRONTAL SYSTEMS - Ángel Rodríguez	

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WEDNESDAY, 10TH JULY 2024

17:15 - 17:30 h	EXPLORING INTERNAL SOLITON SIGNALS AND THEIR EASTWARD TRAVEL IN THE ALBORAN SEA. THE IMPACT OF SUBINERTIAL FORCING AND FORTNIGHTLY VARIABILITY -Marina Bolado	VELES E VENTS BUILDING Conference room (2nd floor)
17:30 - 17:45 h	EVALUATING UPPER-OCEAN STRATIFICATION IN CMIP6 MODELS -Ignasi Vallés	

17:45 - 18:30 h	Poster session and coffee	Clock Building
19:30 h	Welcome Cocktail	

THURSDAY, 11TH JULY 2024

TIME	SESSIONS	PLACE
09:00 - 10:00 h	Plenary Session 2 UNRAVELLING THE ATLANTIC OCEAN CONVEYOR: INSIGHTS AND CHALLENGES FROM OBSERVATIONS Eleanor Frakja-Williams Universität Hamburg (Germany) Moderator: M ^a Dolores Pérez	VELES E VENTS BUILDING Main conference room (3rd floor)
10:00 - 11:45 h	Oral Session 3a Oceanography and climate change Moderator: Josep Lluís con Ion Urriaga	VELES E VENTS BUILDING Conference room (2nd floor)
10:00 - 10:15 h	MONITORING OCEAN WARMING: FROM CLIMATE RESEARCH TO OPERATIONAL COASTAL SERVICES -Axel Alonso	
10:15 - 10:30 h	GLOBAL RESPONSE OF OCEAN STRATIFICATION TO CLIMATIC FORCING. -Raquel Somavilla	

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THURSDAY, 11TH JULY 2024

10:30 - 10:45 h	ROLE OF THE OCEAN MEAN STATE IN THE DEVELOPMENT AND CONFIGURATION OF THE ATLANTIC NIÑO. Lucía Montoya	VELES E VENTS BUILDING Conference room (2nd floor)
10:45 - 11:00 h	THE CRUCIAL ROLE OF REALISTIC WINDS IN CONNECTING NORTH TROPICAL AND EQUATORIAL SST VARIABILITY. Marta Martín	
11:00 - 11:15 h	MECHANISMS OF MEDITERRANEAN SEA LEVEL INTERANNUAL VARIABILITY. Gabriel Jorda	
11:15 - 11:30 h	IMPACT OF CLIMATE CHANGE ON UNDERWATER CULTURAL HERITAGE PRESERVATION: CHANGES IN WAVE-INDUCED HAZARDS. Carmen Ferrero	
11:30 - 11:45 h	DEGLACIAL CHANGES IN MEDITERRANEAN THERMOHALINE CIRCULATION. Isabel Cacho	
11:45 - 12:15 h	Poster session and coffee	VELES E VENTS BUILDING Terrace (3rd floor)
12:15 - 14:00 h	Oral Session 4a Large scale circulation Moderator: Alonso Hernández con Iria Sala	VELES E VENTS BUILDING Conference room (2nd floor)
12:15 - 12:30 h	OCEANOGRAPHIC CONDITIONS IN THE COLOMBIAN PACIFIC OCEAN UNDER THE EFFECTS OF THE LA NIÑA 2022 AND EL NIÑO 2023 -Magnolia Murcia	
12:30 - 12:45 h	UNVEILING THE DOMINANT PATHWAYS OF THE ANTARCTIC BOTTOM WATER CROSSING THE SOUTH SCOTIA RIDGE -Josep Lluís Pelegrí	
12:45 - 13:00 h	SEASONAL AND INTERANNUAL CIRCULATION IN THE GERLACHE STRAIT – Laia Puyal	
13:00 - 13:15 h	ON THE GULF STREAM PATH DECADAL VARIABILITY AND FUTURE PROJECTIONS -Ion Urtiaga	
13:15 - 13:30 h	THE SEASONAL CYCLE OF THE EASTERN BOUNDARY CURRENTS OF THE NORTH ATLANTIC SUBTROPICAL GYRE - M ^a Dolores Pérez	

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THURSDAY, 11TH JULY 2024

13:30 - 13:45 h A LIMIT ON EASTERN BOUNDARY UPWELLING SYSTEMS ABILITY TO OFFSET CLIMATE CHANGE IMPACTS - Miguel Ángel Gutiérrez

13:45 - 14:00 h MONITORING THE CANARY CURRENT UPWELLING SYSTEM THROUGH ANIMAL TELEMETRY: A PILOT STUDY - Borja Aguiar

14:00 - 15:30 h

Lunch

Local restaurants

15:30 - 16:30 h

Oral Session 5a

Ocean methods: instrumentation, remote sensing and numerical methods
Moderator: Bàrbara Barceló y Miguel Ángel Gutiérrez

VELES E VENTS BUILDING

Conference room (2nd floor)

15:30 - 15:45 h

CORRECTION OF NWP OCEAN SURFACE WIND BIASES WITH MACHINE LEARNING AND SCATTEROMETER DATA - Evgeniia Makarova

15:45 - 16:00 h

ANALYSIS OF THE CONSERVATION PROPERTIES OF DIFFERENT NUMERICAL DISCRETIZATIONS OF THE SHALLOW WATER EQUATIONS -Laura Melián

16:00 - 16:15 h

HYBRIDIZABLE DISCONTINUOUS GALERKIN METHOD APPLIED TO A TWO-LAYER SHALLOW WATER MODEL - Inés de Pedro

16:15 - 16:30 h

VERY HIGH-RESOLUTION HYDRODYNAMIC MODELLING FOR IMPROVED FORECASTING AND MANAGEMENT OF THE COASTAL ZONE -Maria Liste

16:30 - 17:15 h

Oral Session 6a

Operational oceanography and marine weather
Moderator: Bàrbara Barceló con Laia Puyal

VELES E VENTS BUILDING

Conference room (2nd floor)

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THURSDAY, 11TH JULY 2024

16:30 - 16:45 h	CHARACTERIZING THE 2023 ATLANTIC OCEAN MARINE HEAT WAVE: WIND-TEMPERATURE ANOMALIES AND DEPTH PROFILES ACROSS LATITUDES Charlotte Pereira	VELES E VENTS BUILDING Conference room (2nd floor)
16:45 - 17:00 h	EUSKADI COASTAL OPERATIONAL MODEL VALIDATION & USER-ENGAGEMENT (EUSCOMVU) Luis Ferrer	
17:00 - 17:15 h	CHARACTERIZATION OF EXTREME EVENTS OVER THE SPANISH MEDITERRANEAN COAST AND EVALUATION OF PREDICTION MODELS -Marcos Prado	
17:15 - 17:30 h	OPERATIONAL OBSERVATIONS OF COASTAL CURRENT CONVERGENCE STRUCTURES DRIVING FLOATING MARINE LITTER AGGREGATIONS IN THE SOUTHEASTERN BAY OF BISCAY - Anna Rubio	
17:45 - 18:30 h	Poster session and coffee	Clock Building
21:00 h	Conference Dinner	

FRIDAY, 12TH JULY 2024

09:00 - 10:00 h	Plenary Session 3 MICRO AND NANOPLASTICS TOXICITY: THE KNOWN AND UNKNOWN Marta Martins Universidade NOVA de Lisboa (Portugal)	VELES E VENTS BUILDING Main conference room (3rd floor)
10:00 - 12:00 h	Scientific Collaborative Opportunities Moderator: M ^a Dolores Pérez con Ignasi Valles	VELES E VENTS BUILDING Conference room (2nd floor)
10:00 - 10:08 h	FAST-SWOT: FINE-SCALE OCEAN CURRENTS FROM INTEGRATED MULTI-PLATFORM EXPERIMENTS AND NUMERICAL SIMULATIONS: CONTRIBUTION TO THE NEW SWOT SATELLITE MISSION - BÀRBARA BARCELÓ	

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FRIDAY, 12TH JULY 2024

10:08 - 10:16 h	LAGRANGIAN TRANSPORT OF MARINE LITTER AND MICROPLASTICS IN COASTAL WATERS: OBSERVATION AND MONITORING IN THE BAY OF BISCAY AND BALEARIC SEA COASTAL AREAS. LAMARCA-OMO -ANNA RUBIO	VELES E VENTS BUILDING Conference room (2nd floor)
10:16 - 10:24 h	SOUTH ATLANTIC CONNECTIONS (SACO)- ALONSO HERNÁNDEZ	
10:24 - 10:32 h	FAR-REACHING IMPACTS OF DENSE WATER OVERFLOWS IN THE NORTH ATLANTIC OCEAN AND THE MEDITERRANEAN SEA (FAR-DWO) - M. DOLORES PÉREZ	
10:32 - 10:40 h	IEO OBSERVING NETWORK- RAQUEL SOMAVILLA	
10:40 - 10:48 h	THE ARCTIC AND SUBARCTIC OCEAN FLUXES (ASOF) WORKSHOP; BARCELONA- CAROLINA GABARRO	
10:48 - 10:56 h	OCEAN OPTICS XXVI CONFERENCE. LAS PALMAS DE GRAN CANARIA. SPAIN - VIOLETA SANJUAN	
11:00 - 12:00 h	RED COMISIÓN NACIONAL DE GLIDERS CARLOS BARRERA Y ÁNGEL RODRÍGUEZ	

12:00 - 12:30 h	Poster session and coffee	VELES E VENTS BUILDING Terrace (3rd floor)
12:30 - 13:30 h	Companies/Institutions session	VELES E VENTS BUILDING Main conference room (3rd floor)
13:45 - 14:15 h	Closing Ceremony	VELES E VENTS BUILDING Main conference room (3rd floor)
14:15 - 15:45 h	Lunch	Local restaurants

19:30 h **City Tour**