OS – Ocean Sciences (#EGU18OS) – Orals

Monday, 09 April	
MO1, 08:30–10:00	**OS1.5/AS1.29/CL2.14**, Climate variability of the Atlantic and Europe (co-organized), **08:30–15:00**, **Room L3**
	OS2.4, Oceanography at coastal scales. Modelling, coupling, observations and benefits from coastal Research Infrastructures, **08:30–12:00**, **Room 1.85**
	NH5.1/OS2.12/SM3.07, Tsunami (co-organized), **08:30–17:00**, **Room L6**
	NP7.2/OS5.4, Nonlinear and turbulent processes under high wind conditions. New and old physics, remote sensing (co-organized), **08:30–10:00**, **Room L2**
MO2, 10:30–12:00	**OS1.5/AS1.29/CL2.14**, Climate variability of the Atlantic and Europe (co-organized), **08:30–15:00**, **Room L3**
	OS2.4, Oceanography at coastal scales. Modelling, coupling, observations and benefits from coastal Research Infrastructures, **08:30–12:00**, **Room 1.85**
	NH5.1/OS2.12/SM3.07, Tsunami (co-organized), **08:30–17:00**, **Room L6**
	GDB2, Hands on or hands off?, **10:30–12:00**, **Room E1**
MOL, 12:15–13:15	**PCN2**, EGU Plenary, **12:15–13:15**, **Room E1**
MO3, 13:30–15:00	**OS1.5/AS1.29/CL2.14**, Climate variability of the Atlantic and Europe (co-organized), **08:30–15:00**, **Room L3**
	OS4.3, Ocean Remote Sensing, **13:30–15:00**, **Room 1.85**
	NH5.1/OS2.12/SM3.07, Tsunami (co-organized), **08:30–17:00**, **Room L6**
	US2, The future of Earth and Planetary Observations from Space, **13:30–17:00**, **Room E1**
MO4, 15:30–17:00	**OS1.1**, Open Session on General Circulation, Ocean Climate Variability and Air-Sea Interactions (including Fridtjof Nansen Medal Lecture), **15:30–17:00**, **Room L3**
	ML12/OS, Fridtjof Nansen Medal Lecture by Rainer Feistel (co-organized), **16:00–17:00**, **Room L3**
	NH5.1/OS2.12/SM3.07, Tsunami (co-organized), **08:30–17:00**, **Room L6**
	US2, The future of Earth and Planetary Observations from Space, **13:30–17:00**, **Room E1**
Tuesday, 10 April	
TU1, 08:30–10:00	**OS1.1**, Open Session on General Circulation, Ocean Climate Variability and Air-Sea Interactions (including Fridtjof Nansen Medal Lecture), **08:30–10:00**, **Room N1**
	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), **08:30–12:00**, **Room L2**
	CR5.4/OS1.16, Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), **08:30–12:00**, **Room 1.85**
TU1b, 09:00–10:00	**US1**, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), **09:00–12:00**, **Room E1**

TU2, 10:30–12:00	**OS1.7/CR6.2**, Changes in the Arctic Ocean, sea ice and subarctic seas systems: Observations, Models and Perspectives (co-organized), **10:30–12:00**, **Room N1**
	OS5.1/AS2.4/CL2.25, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-organized), **10:30–15:00**, **Room L7**
	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), **08:30–12:00**, **Room L2**
	CR5.4/OS1.16, Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), **08:30–12:00**, **Room 1.85**
	BG3.1/OS3.6, Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), **10:30–17:00**, **Room C**
	US1, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), **09:00–12:00**, **Room E1**
TUL, 12:15–13:15	**SC3.4/CL6.05/CR8.10/OS6.3**, Polar science career panel (EGU Cryosphere and APECS) (co-organized), **12:15–13:15**, **Room -2.85**
TU3, 13:30–15:00	**OS3.4/BG1.39**, Effects of Anthropogenic Pressure on Marine Ecosystems (co-organized), **13:30–17:00**, **Room N1**
	OS5.1/AS2.4/CL2.25, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-organized), **10:30–15:00**, **Room L7**
	CR1.7/OS1.15, Ice-ocean interactions: past, present and future (co-organized), **13:30–15:00**, **Room 1.85**
	BG3.1/OS3.6, Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), **10:30–17:00**, **Room C**
	GDB4, Low-risk geo-engineering: are techniques available now?, **13:30–15:00**, **Room E1**
TU4, 15:30–17:00	**OS2.2**, Advances in Understanding of the Multi-Disciplinary Dynamics of the Southern European Seas (Mediterranean and Black Sea), **15:30–17:00**, **Room L7**
	OS3.4/BG1.39, Effects of Anthropogenic Pressure on Marine Ecosystems (co-organized), **13:30–17:00**, **Room N1**
	NP7.3/NH5.8/OS2.13, Wave-current interactions (co-organized), **15:30–17:00**, **Room M2**
	BG3.1/OS3.6, Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), **10:30–17:00**, **Room C**
	G3.2/CR2.9/GD10.8/HS11.9/OS4.13, Geophysical Signal Separation in Global Geodesy (including G Division Outstanding ECS Lecture) (co-organized), **15:30–17:00**, **Room G1**
TU6a, 19:00–20:30	**GDB3**, The Early Career Scientists' Great Debate: Should early career scientists use time developing transferrable skills?, **19:00–20:30**, **Room E1**

Wednesday, 11 April

WE1, 08:30–10:00	**OS3.1/BG3.3**, Ocean, coastal and freshwater biogeochemistry, climate and ecosystems: recent advances and novel approaches to synthesis and predictions (co-organized), **08:30–12:00**, **Room 1.85**
	OS5.2/AS1.20, Internal Gravity Waves (co-organized), **08:30–15:00**, **Room N1**
	G3.2/CR2.9/GD10.8/HS11.9/OS4.13, Geophysical Signal Separation in Global Geodesy (including G Division Outstanding ECS Lecture) (co-organized), **08:30–10:00**, **Room -2.32**

	US4, Fifty years of International Ocean Drilling, **08:30–12:00**, **Room E1**
WE2, 10:30–12:00	**OS3.1/BG3.3**, Ocean, coastal and freshwater biogeochemistry, climate and ecosystems: recent advances and novel approaches to synthesis and predictions (co-organized), **08:30–12:00**, **Room 1.85**
	OS5.2/AS1.20, Internal Gravity Waves (co-organized), **08:30–15:00**, **Room N1**
	US4, Fifty years of International Ocean Drilling, **08:30–12:00**, **Room E1**
WE3, 13:30–15:00	**OS5.2/AS1.20**, Internal Gravity Waves (co-organized), **08:30–15:00**, **Room N1**
WE4, 15:30–17:00	**OS1.2/BG3.6**, Southern Ocean physical and biogeochemical processes from continental shelves to the open ocean (co-organized), **15:30–17:00**, **Room N1**
WE5, 17:30–19:00	**PCN3**, EGU Award Ceremony, **17:30–20:00**, **Room E1**
WE6, 19:00–20:00	**PCN3**, EGU Award Ceremony, **17:30–20:00**, **Room E1**
Thursday, 12 April	
TH1, 08:30–10:00	**OS2.1**, Open Session on Coastal and Shelf Seas, **08:30–12:00**, **Room 1.85**
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), **08:30–12:00**, **Room N2**
	GM11.3/OS2.10, Coastal morphodynamics: nearshore, beach and dunes (co-organized), **08:30–12:00**, **Room G2**
	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:00**, **Room 0.49**
	US3, Cassini and future perspectives for the exploration of the outer solar system, **08:30–12:00**, **Room E1**
TH2, 10:30–12:00	**OS2.1**, Open Session on Coastal and Shelf Seas, **08:30–12:00**, **Room 1.85**
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), **08:30–12:00**, **Room N2**
	GM11.3/OS2.10, Coastal morphodynamics: nearshore, beach and dunes (co-organized), **08:30–12:00**, **Room G2**
	CL1.33/BG3.11/CR8.11/GM9.8/OS2.15, Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), **10:30–12:00**, **Room E2**
	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:00**, **Room 0.49**
	US3, Cassini and future perspectives for the exploration of the outer solar system, **08:30–12:00**, **Room E1**
THL, 12:15–13:15	**DM16/OS**, Division meeting for Ocean Sciences (OS) (co-organized), **12:15–13:15**, **Room 1.85**
TH3, 13:30–15:00	**OS4.7/BG3.9**, Marine Pollution Assessment, Predictions and Risk Mapping (co-organized), **13:30–15:00**, **Room 1.85**
	IE2.8/CL4.02/AS1.7/BG1.40/NP2.6/OS1.22, Constraining climate sensitivity from various lines of evidence (co-organized), **13:30–15:00**, **Room N2**
	GM11.2/BG7.8/HS9.13/OS2.8/SSP3.15, Rivers, Deltas and Their Receiving Basins: Measurements, Modelling and Management (co-organized), **13:30–15:00**, **Room G2**

	GDB5, Natural versus anthropogenic threats for life on Earth, **13:30–15:00**, **Room E1**
TH4, 15:30–17:00	**OS4.5**, Copernicus Marine Environment Monitoring Service (CMEMS), **15:30–17:00**, **Room 1.85**
	CL1.20/OS1.6, Past changes in Atlantic Meridional Overturning Circulation (AMOC) structure, variability, and their impact on climate and biogeochemistry (co-organized), **15:30–17:00**, **Room F2**
	HS10.2/GM11.7/OS2.6, Integrative studies of the River-Sea-Continuum (co-organized), **15:30–17:00**, **Room 2.15**
	SC2.9/AS6.2/CL6.04/CR8.8/OS6.2, What are the key problems in Climate Science? (co-organized), **15:30–17:00**, **Room -2.91**
Friday, 13 April	
FR1, 08:30–10:00	**OS4.5**, Copernicus Marine Environment Monitoring Service (CMEMS), **08:30–10:00**, **Room 1.85**
	AS4.1/BG1.14/OS3.3, Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), **08:30–10:00**, **Room 0.11**
	GM11.1/OS4.12/SSP3.24, Submarine geomorphology (co-organized), **08:30–10:00**, **Room G2**
	SC3.7/OS6.1, How to publish in the EGU journal Ocean Science (co-organized), **08:30–10:00**, **Room -2.31**
	US5, Scientific research in a changing European Union: where we stand and what we aim for?, **08:30–10:00**, **Room E1**
FR2, 10:30–12:00	**OS1.9/AS1.24/BG3.5/CL4.07**, The Indian Ocean's past, present, and future (co-organized), **10:30–12:00**, **Room 1.85**
	AS5.6/BG4.14/CL5.09/OS1.14, Recent Developments in Numerical Earth System Modelling (co-organized), **10:30–12:00**, **Room 0.94**
	AS2.3/CR8.2/OS1.17/SSS13.1, Boundary Layers in High Latitudes (co-organized), **10:30–12:00**, **Room 0.11**
FR3, 13:30–15:00	**OS1.10/AS1.26**, Tropical & Subtropical Ocean Circulation, Equatorial to Mid-Latitude Air-Sea Interactions (co-organized), **13:30–17:00**, **Room 1.85**
	AS5.10/BG1.13/CL5.08/HS3.6/OS1.18, High resolution weather and climate models on large supercomputers (co-organized), **13:30–17:00**, **Room 0.94**
	NH5.6/NP7.4/OS5.5, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), **13:30–15:00**, **Room L4/5**
FR4, 15:30–17:00	**OS1.10/AS1.26**, Tropical & Subtropical Ocean Circulation, Equatorial to Mid-Latitude Air-Sea Interactions (co-organized), **13:30–17:00**, **Room 1.85**
	IE2.4/NH5.7/CL4.18/GD11.7/OS2.14, Sea-Level Changes from Minutes to Millennia (co-organized), **15:30–17:00**, **Room N2**
	AS5.10/BG1.13/CL5.08/HS3.6/OS1.18, High resolution weather and climate models on large supercomputers (co-organized), **13:30–17:00**, **Room 0.94**
	NH5.4/AS4.29/CL3.10/HS11.32/OS2.11, Natural Hazards and climate change impacts in coastal areas (co-organized), **15:30–17:00**, **Room L4/5**

OS – Ocean Sciences (#EGU18OS) – PICO

Monday, 09 April	
MO3, 13:30–15:00	**CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9**, The development of geoscientific modelling (co-organized), **PICO spot 5a**
MO4, 15:30–17:00	**CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9**, The development of geoscientific modelling (co-organized), **PICO spot 5a**
Tuesday, 10 April	
TU3, 13:30–15:00	**GM11.5/HS10.11/NH8.6/OS2.9**, Combination hazard in estuaries and coasts (co-organized), **PICO spot 1**
Wednesday, 11 April	
WE3, 13:30–15:00	**SSP3.6/AS4.19/GM3.11/GMPV6.2/HS9.11/NH2.3/OS2.7**, Bedform dynamics and morphodynamics: from pyroclastic eruptions to deep see turbidites (co-organized), **PICO spot 1**
WE4, 15:30–17:00	**OS4.1**, Open session on observing the ocean, **PICO spot 4**
	SSP3.6/AS4.19/GM3.11/GMPV6.2/HS9.11/NH2.3/OS2.7, Bedform dynamics and morphodynamics: from pyroclastic eruptions to deep see turbidites (co-organized), **PICO spot 1**
Friday, 13 April	
FR1, 08:30–10:00	**OS4.8**, Seismic oceanography - imaging and characterising mesoscale to sub-mesoscale processes with reflection seismology, **PICO spot 4**
FR2, 10:30–12:00	**OS4.4/BG3.8**, Recent advances in ocean physics and biogeochemistry from autonomous underwater vehicles (co-organized), **PICO spot 4**

OS – Ocean Sciences (#EGU18OS) – Posters

Monday, 09 April	
MO5, 17:30–19:00	**OS1.1**, Open Session on General Circulation, Ocean Climate Variability and Air-Sea Interactions (including Fridtjof Nansen Medal Lecture), **Hall X4**, **X4.65–X4.87**
	OS1.5/AS1.29/CL2.14, Climate variability of the Atlantic and Europe (co-organized), **Hall X4**, **X4.88–X4.125**
	OS2.4, Oceanography at coastal scales. Modelling, coupling, observations and benefits from coastal Research Infrastructures, **Hall X4**, **X4.126–X4.164**
	OS4.3, Ocean Remote Sensing, **Hall X4**, **X4.165–X4.188**
	NH5.1/OS2.12/SM3.07, Tsunami (co-organized), **Hall X1**, **X1.127–X1.181**
	ERE3.3/OS4.9, Marine renewable energy; resource characterisation, interactions and impacts (co-organized), **Hall X4**, **X4.374–X4.384**
	NP7.2/OS5.4, Nonlinear and turbulent processes under high wind conditions. New and old physics, remote sensing (co-organized), **Hall X3**, **X3.114–X3.135**
Tuesday, 10 April	
TU5, 17:30–19:00	**OS1.7/CR6.2**, Changes in the Arctic Ocean, sea ice and subarctic seas systems: Observations, Models and Perspectives (co-organized), **Hall X4**, **X4.46–X4.81**
	OS2.2, Advances in Understanding of the Multi-Disciplinary Dynamics of the Southern European Seas (Mediterranean and Black Sea), **Hall X4**, **X4.82–X4.92**
	OS3.4/BG1.39, Effects of Anthropogenic Pressure on Marine Ecosystems (co-organized), **Hall X4**, **X4.93–X4.118**
	OS5.1/AS2.4/CL2.25, Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-organized), **Hall X4**, **X4.119–X4.139**
	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), **Hall X4**, **X4.319–X4.339**
	CR1.7/OS1.15, Ice-ocean interactions: past, present and future (co-organized), **Hall X4**, **X4.17–X4.30**
	NP7.3/NH5.8/OS2.13, Wave-current interactions (co-organized), **Hall X4**, **X4.368–X4.381**
	BG3.1/OS3.6, Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), **Hall A**, **A.431–A.462**
	G3.2/CR2.9/GD10.8/HS11.9/OS4.13, Geophysical Signal Separation in Global Geodesy (including G Division Outstanding ECS Lecture) (co-organized), **Hall X3**, **X3.75–X3.93**
Wednesday, 11 April	
WE5, 17:30–19:00	**OS1.2/BG3.6**, Southern Ocean physical and biogeochemical processes from continental shelves to the open ocean (co-organized), **Hall X4**, **X4.1–X4.23**

	OS3.1/BG3.3, Ocean, coastal and freshwater biogeochemistry, climate and ecosystems: recent advances and novel approaches to synthesis and predictions (co-organized), **Hall X4**, **X4.24–X4.53**
	OS5.2/AS1.20, Internal Gravity Waves (co-organized), **Hall X4**, **X4.54–X4.81**
	CR5.4/OS1.16, Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), **Hall X5**, **X5.399–X5.417**
Thursday, 12 April	
TH5, 17:30–19:00	**OS2.1**, Open Session on Coastal and Shelf Seas, **Hall X4**, **X4.1–X4.27**
	OS4.5, Copernicus Marine Environment Monitoring Service (CMEMS), **Hall X4**, **X4.28–X4.49**
	OS4.7/BG3.9, Marine Pollution Assessment, Predictions and Risk Mapping (co-organized), **Hall X4**, **X4.50–X4.66**
	OS4.10/AS4.8/ERE1.7/GI2.13/NH11.7, Benefits and Detriments of Geoengineering in the Ocean-Atmosphere System (co-organized), **Hall X4**, **X4.67–X4.72**
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), **Hall X4**, **X4.349–X4.372**
	IE2.8/CL4.02/AS1.7/BG1.40/NP2.6/OS1.22, Constraining climate sensitivity from various lines of evidence (co-organized), **Hall X5**, **X5.373–X5.395**
	CL1.20/OS1.6, Past changes in Atlantic Meridional Overturning Circulation (AMOC) structure, variability, and their impact on climate and biogeochemistry (co-organized), **Hall X5**, **X5.290–X5.305**
	HS10.2/GM11.7/OS2.6, Integrative studies of the River-Sea-Continuum (co-organized), **Hall A**, **A.327–A.343**
	CL1.33/BG3.11/CR8.11/GM9.8/OS2.15, Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), **Hall X5**, **X5.323–X5.339**
	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **Hall X1**, **X1.41–X1.58**
Friday, 13 April	
FR1, 08:30–10:00	**OS1.9/AS1.24/BG3.5/CL4.07**, The Indian Ocean's past, present, and future (co-organized), **Hall X4**, **X4.55–X4.69**
	OS1.10/AS1.26, Tropical & Subtropical Ocean Circulation, Equatorial to Mid-Latitude Air-Sea Interactions (co-organized), **Hall X4**, **X4.70–X4.87**
FR5, 17:30–19:00	**IE2.4/NH5.7/CL4.18/GD11.7/OS2.14**, Sea-Level Changes from Minutes to Millennia (co-organized), **Hall X1**, **X1.178–X1.188**
	AS5.6/BG4.14/CL5.09/OS1.14, Recent Developments in Numerical Earth System Modelling (co-organized), **Hall X5**, **X5.301–X5.320**
	AS2.3/CR8.2/OS1.17/SSS13.1, Boundary Layers in High Latitudes (co-organized), **Hall X5**, **X5.157–X5.171**
	AS5.10/BG1.13/CL5.08/HS3.6/OS1.18, High resolution weather and climate models on large supercomputers (co-organized), **Hall X5**, **X5.321–X5.344**
	GM11.2/BG7.8/HS9.13/OS2.8/SSP3.15, Rivers, Deltas and Their Receiving Basins: Measurements, Modelling and Management (co-organized), **Hall X2**, **X2.60–X2.81**
	GM11.3/OS2.10, Coastal morphodynamics: nearshore, beach and dunes (co-organized), **Hall X2**, **X2.82–X2.117**

	NH5.4/AS4.29/CL3.10/HS11.32/OS2.11, Natural Hazards and climate change impacts in coastal areas (co-organized), **Hall X1**, **X1.145–X1.164**
	AS4.1/BG1.14/OS3.3, Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), **Hall X5**, **X5.223–X5.235**
	NH8.4/BG1.19/GI2.20/OS3.5, Ecosystem-based approaches to coastal Disaster Risk Reduction: new tools for numerical modelling and monitoring using Remote Sensing techniques (co-organized), **Hall X1**, **X1.269–X1.275**
	GM11.1/OS4.12/SSP3.24, Submarine geomorphology (co-organized), **Hall X2**, **X2.42–X2.59**
	NH5.6/NP7.4/OS5.5, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), **Hall X1**, **X1.165–X1.177**