

# SESSION DETAIL FOR SCIENTIFIC PROGRAMME: IAPSO

## ORAL PRESENTATIONS

### P01 - General topics in oceanography (IAPSO)

Session ID	Abstract ID	Abstract Title	Title	Author First Name	Author Last Name	Date		Time	Venue
P01	470	The Annual Cycle of Upper-Ocean Potential Vorticity and its Relationship with Submesoscale Instabilities: Insights from Mooring Observations	Mr.	Xiaolong	Yu	Wed	30-Aug	08h30	1.63
P01	1421	Teleconnections of the South Atlantic Subtropical Mode Water at interannual scales	Mr	Olga	Sato	Wed	30-Aug	08h45	1.63
P01	332	Glider-based multidisciplinary observations in the Faroe-Shetland Channel	Prof.	Karen	Heywood	Wed	30-Aug	09h00	1.63
P01	1116	Abyssal Circulation in the South Atlantic and Transports Across Vema Channel in an Global Eddy-Resolving OGCM	Mr	Edmo	Campos	Wed	30-Aug	09h30	1.63
P01	341	Spatial and temporal variability of temperature and salinity in the upper layer ocean using the global Argo array	Dr.	Shigeki	Hosoda	Wed	30-Aug	09h45	1.63
P01	31	Bottom water exchange between the Argentine and Brazil basins of the Southwest Atlantic.	Mr.	Dmitry	Frey	Wed	30-Aug	10h45	1.63
P01	389	Deep cataracts as important hot spots of the global abyssal mixing	Dr.	Roman	Tarakanov	Wed	30-Aug	11h00	1.63

P01	392	First results from CASSIS project: Southwestern Atlantic currents from in-situ and satellite altimetry	Dr.	Martin	Saraceno	Wed	30-Aug	11h15	1.63
P01	1143	The Dynamics of Near Equatorial River Plumes	Prof.	Ricardo	Matano	Wed	30-Aug	11h30	1.63
P01	254	Why does plastic debris accumulate in the subtropical gyres? Using drifting buoys and virtual particles to investigate large-scale surface convergence patterns	Dr.	Erik	van Sebille	Wed	30-Aug	11h45	1.63

P01	758	The role of the bottom turbulence generated by the tide in the characterisation of the deep dynamic of the Western Ionian Sea	Dr.	Nadia	Lo Bue	Thurs	31-Aug	08h30	1.63
P01	638	Advances in the estimation of surface heat fluxes and thermohaline variability in Terra Nova Bay Polynya - Ross Sea, Antarctica	Prof.	Giannetta	Fusco	Thurs	31-Aug	08h45	1.63
P01	868	Variable elemental composition of organic new production and its potential effect on oceanic CO <sub>2</sub> uptake during glacials	Ms.	Malin	Oedalen	Thurs	31-Aug	09h00	1.63

P01	1491	Climatologies and Long-term Sea Surface Temperature Trends around Southern Africa from the Pathfinder v5.3 Climate Data Record	Dr.	Deirdre	Byrne	Thurs	31-Aug	10h30	1.63
P01	1320	A seasonal comparison of nitrogen uptake and nitrification in the South Atlantic Southern Ocean	Mr.	Mhlangabezi	Mdutyana	Thurs	31-Aug	10h45	1.63
P01	1350	Why increase the ocean resolution of Earth System Models? The case of IPSLCM6	Dr.	Julie	Deshayes	Thurs	31-Aug	11h00	1.63

<b>P01</b>	1457	Comparing the Southern Ocean Surface Water pH in a High Resolution Coupled Climate Model and the CMIP5 Earth System Models With Observationally-based Metrics	Prof.	Joellen	Russell	Thurs	31-Aug	11h15	1.63
<b>P01</b>	1229	The Southern Ocean's mass, heat, and salt transports derived from numerical model simulations based on ARGO data and ECMWF wind	Dr.	Konstantin	Lebedev	Thurs	31-Aug	11h30	1.63
<b>P01</b>	965	Equatorial Deep Jets in the Atlantic Ocean studied by observations and ocean general circulation models	Prof.	Peter	Brandt	Thurs	31-Aug	11h45	1.63

## P02 - Physics and biogeochemistry of semi-enclosed and shelf seas (IAPSO)

<b>Session ID</b>	<b>Abstract ID</b>	<b>Abstract Title</b>	<b>Title</b>	<b>Author First Name</b>	<b>Author Last Name</b>	<b>Date</b>		<b>Time</b>	<b>Venue</b>
<b>P02</b>	265	High-resolution Seaglider observations of tidal flows and frontal dynamics in a tidally energetic shelf sea	Mr.	Peter	Sheehan	Thurs	31-Aug	08h30	2.64 - 2.66
<b>P02</b>	261	Top down controls on the onset and development of shelf sea seasonal stratification.	Dr.	Matthew	Palmer	Thurs	31-Aug	08h45	2.64 - 2.66
<b>P02</b>	717	Pycnocline Mixing in Seasonally Stratified Shelf Seas	Dr.	Jeff	Polton	Thurs	31-Aug	09h00	2.64 - 2.66
<b>P02</b>	1031	Rainfall as a trigger for stratification and winter phytoplankton growth in temperate shelf seas	Ms.	Jenny	Jardine	Thurs	31-Aug	09h15	2.64 - 2.66

<b>P02</b>	720	How does the motion in the ocean breathe life into shelf seas? An autonomous study of vertical mixing and ventilation	Dr.	Charlotte	Williams	Thurs	31-Aug	09h30	2.64 - 2.66
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<b>P02</b>	113	Observed wave climate variation at the open part of the Black Sea	Dr.	Boris	Divinskii	Thurs	31-Aug	10h30	2.64 - 2.66
<b>P02</b>	193	Long-term wave measurements for large-scale climate characterization.	Dr.	Angela	Pomaro	Thurs	31-Aug	10h45	2.64 - 2.66
<b>P02</b>	893	Internal waves on shelf of the Black Sea	Mrs.	Elizaveta	Khimchenko	Thurs	31-Aug	11h00	2.64 - 2.66
<b>P02</b>	1524	Modulation of upper layer biochemical structure by mesoscale frontal dynamics in the Black Sea	Prof.	Temel	Oguz	Thurs	31-Aug	11h15	2.64 - 2.66
<b>P02</b>	1525	On the deep circulation of the Caspian Sea	Dr.	A. A.	Bidokhti	Thurs	31-Aug	11h30	2.64 - 2.66
<b>P02</b>	570	Regional numerical model of microfibres transport in the Baltic Sea	Dr.	Andrei	Bagaev	Thurs	31-Aug	11h45	2.64 - 2.66

<b>P02</b>	796	Leading Modes of Interannual Variability of Mediterranean Evaporation and their Relation to Regional Atmospheric Dynamics During Boreal Summer	Dr.	Igor	Zveryaev	Fri	01-Sep	08h30	2.64 - 2.66
<b>P02</b>	205	Multi-model analysis of the Adriatic-Ionian thermohaline circulation using an ensemble of multi-decadal regional ocean simulations	Ms.	Natalija	Dunic	Fri	01-Sep	08h45	2.64 - 2.66
<b>P02</b>	272	Monitoring of the Algerian Basin circulation through glider observations, numerical simulations and altimetry during fall 2014-2016	Dr.	Yuri	Cotroneo	Fri	01-Sep	09h00	2.64 - 2.66

<b>P02</b>	1035	Multi-sensor satellite observations of marine basins: the Western Mediterranean case study	Dr.	Svetlana	Karimova	Fri	01-Sep	09h15	2.64 - 2.66
<b>P02</b>	500	Measuring pH variability using an experimental sensor on an underwater glider	Mr.	Michael	Hemming	Fri	01-Sep	09h30	2.64 - 2.66
<b>P02</b>	498	High resolution physical and biogeochemical measurements obtained from an underwater glider in the northwestern Mediterranean Sea during the spring bloom	Mr.	Michael	Hemming	Fri	01-Sep	09h45	2.64 - 2.66

<b>P02</b>	1191	Age of Gulf of Mexico deep water as determined by 14C measurements	Dr.	Piers	Chapman	Fri	01-Sep	10h30	2.64 - 2.66
<b>P02</b>	1110	Responses of marine environment in the East China Sea to the East Asian monsoon climatic jump	Prof.	Rongshuo	Cai	Fri	01-Sep	10h45	2.64 - 2.66
<b>P02</b>	1231	Material Transport and Interaction between the East China Sea and the Northwestern Pacific: Joint regional GEOTRACES study in East Asia	Prof.	Jing	Zhang	Fri	01-Sep	11h00	2.64 - 2.66
<b>P02</b>	1186	Natural Iron Fertilization of the Patagonian Shelf and Seasonality of the Planktonic Blooms	Prof.	Yvette	Spitz	Fri	01-Sep	11h15	2.64 - 2.66
<b>P02</b>	1337	A benthic-pelagic nitrogen budget for the continental margin of the Peruvian oxygen minimum zone	Dr.	Marcus	Dengler	Fri	01-Sep	11h30	2.64 - 2.66

## P04 - The Meridional Overturning Circulation: Mean State and variability (IAPSO)

Session ID	Abstract ID	Abstract Title	Title	Author First Name	Author Last Name	Date		Time	Venue
P04	401	Recent advances in South Atlantic and Southern Ocean Meridional Overturning Circulation	Dr.	Maria Paz	Chidichimo	Thurs	31-Aug	08h30	2.61 - 2.63
P04	1332	Recent daily AMOC variability estimates at 34.5°S from in situ observations	Prof.	Sabrina	Speich	Thurs	31-Aug	09h00	2.61 - 2.63
P04	13	An Investigation of Abyssal to Mid-depth Variations in SAMOC Properties	Dr.	Alison	Macdonald	Thurs	31-Aug	09h15	2.61 - 2.63
P04	494	Strong mixing and recirculation in the southwest South Atlantic	Mr.	Daniel	Valla	Thurs	31-Aug	09h30	2.61 - 2.63
P04	1004	Study of mesoscale features in the Cape Basin: Characteristics and impacts over a large range of scales	Dr.	Marion	Kersale	Thurs	31-Aug	09h45	2.61 - 2.63
P04	851	Recent advances in observing the North Atlantic Meridional Overturning Circulation	Prof.	Stuart	Cunningham	Thurs	31-Aug	10h30	2.61 - 2.63
P04	616	The late 2000s decrease in the Atlantic Meridional Overturning Circulation	Mr.	David	Smeed	Thurs	31-Aug	11h00	2.61 - 2.63
P04	506	AMOC components in the North Atlantic subpolar gyre	Prof.	Monika	Rhein	Thurs	31-Aug	11h15	2.61 - 2.63

<b>P04</b>	944	The importance of deep, basinwide measurements in optimized Atlantic Meridional Overturning Circulation observing arrays	Dr.	Gerard	McCarthy	Thurs	31-Aug	11h30	2.61 - 2.63
<b>P04</b>	790	A Possible Cause for Recent Decadal Atlantic Meridional Overturning Circulation Decline	Prof.	Mojib	Latif	Thurs	31-Aug	11h45	2.61 - 2.63

<b>P04</b>	369	Recent advances in theoretical modeling of the meridional overturning circulation	Dr.	Helen	Johnson	Fri	01-Sep	08h30	2.61 - 2.63
<b>P04</b>	940	Recent strengthening of deep convection in the North Atlantic Subpolar Gyre	Dr.	Marieke Femke	de Jong	Fri	01-Sep	09h00	2.61 - 2.63
<b>P04</b>	712	On the buoyancy-driven theory of the Atlantic meridional overturning circulation	Mr.	Remi	Tailleux	Fri	01-Sep	09h15	2.61 - 2.63
<b>P04</b>	723	Modelling the onset of North Atlantic Deep Water formation across the Eocene-Oligocene Transition	Dr.	David	Hutchinson	Fri	01-Sep	09h30	2.61 - 2.63
<b>P04</b>	1222	The Atlantic-Pacific Buoyancy Dipole and the Thermodynamic Role of the Global Overturning Circulation	Ms.	Emily	Newsom	Fri	01-Sep	09h45	2.61 - 2.63

<b>P04</b>	300	AMOC Simulating the great unknown	Prof.	Arne	Biaostoch	Fri	01-Sep	10h30	2.61 - 2.63
<b>P04</b>	605	Sources for the upper limb of the AMOC cold and warm water routes revisited in an eddy-resolving ocean model	Miss.	Siren	Ruhs	Fri	01-Sep	11h00	2.61 - 2.63
<b>P04</b>	408	Mechanisms underlying recent decadal changes in subpolar North Atlantic Ocean heat content	Dr.	Rui	Ponte	Fri	01-Sep	11h15	2.61 - 2.63

<b>P04</b>	615	Potential for deep convection in the Arctic Basin under a warming climate and contribution to the AMOC	Dr.	Camille	Lique	Fri	01-Sep	11h30	2.61 - 2.63
<b>P04</b>	220	Composition and variability of the Denmark Strait Overflow Water in a high-resolution numerical model hindcast simulation	Dr.	Erik	Behrens	Fri	01-Sep	11h45	2.61 - 2.63

<b>P04</b>	1027	Fast ocean overturning response to non-local wind forcing	Dr.	Eleanor	Frajka-Williams	Fri	01-Sep	13h30	2.61 - 2.63
<b>P04</b>	877	Subtropical-tropical pathways in the South Atlantic Ocean	Dr.	Anna	Cabre	Fri	01-Sep	13h45	2.61 - 2.63
<b>P04</b>	65	Bottom water flows in the fractures of the Northern Mid-Atlantic Ridge	Dr.	Eugene	Morozov	Fri	01-Sep	14h00	2.61 - 2.63
<b>P04</b>	478	The role of eddy resolving ocean resolution in simulating the AMOC	Dr.	Malcolm	Roberts	Fri	01-Sep	14h15	2.61 - 2.63
<b>P04</b>	1400	Adjustment of the upper and lower meridional overturning cells to high-latitude buoyancy forcing anomalies	Miss.	Laura	Cimoli	Fri	01-Sep	14h30	2.61 - 2.63
<b>P04</b>	384	On the structure and variability of the Meridional Overturning Circulation in the subtropical North Atlantic	Dr.	Claudia	Schmid	Fri	01-Sep	14h45	2.61 - 2.63



**P05 - Advances in Monitoring, Detecting, Understanding, Hazard Assessment and Forecasting of Mean and Extreme Coastal Sea Level (IAPSO)**

<b>Session ID</b>	<b>Abstract ID</b>	<b>Abstract Title</b>	<b>Title</b>	<b>Author First Name</b>	<b>Author Last Name</b>	<b>Date</b>		<b>Time</b>	<b>Venue</b>
<b>P05</b>	126	Drivers of the spatial and temporal variability in sea level extremes	Prof.	Philip	Woodworth	Thurs	31-Aug	10h30	1.42
<b>P05</b>	1512	Destructive meteorological tsunamis in the world oceans: 2012-2016	Dr.	Alexander	Rabinovich	Thurs	31-Aug	10h45	1.42
<b>P05</b>	501	Procedure for Probabilistic Tsunami Hazard Assessment from Incomplete and Uncertain Data	Ms.	Ansie	Smit	Thurs	31-Aug	11h00	1.42
<b>P05</b>	1441	The role of the wind and magnetic field in the amplification and detection of tsunami-related internal gravity waves by airglow imaging systems	Dr.	Giovanni	Occhipinti	Thurs	31-Aug	11h15	1.42
<b>P05</b>	151	Mapping coastal sea level at high resolution with radar interferometry: the SWOT Mission	Dr.	Lee-Lueng	Fu	Thurs	31-Aug	11h30	1.42
<b>P05</b>	1223	SMART submarine telecommunication cables to monitor sea level in the global ocean	Dr.	Jerome	Aucan	Thurs	31-Aug	11h45	1.42

## P06 - Western boundary current systems (IAPSO)

Session ID	Abstract ID	Abstract Title	Title	Author First Name	Author Last Name	Date		Time	Venue
P06	69	The role of the Deep Western Boundary Current in the North and South Atlantic: Relationships between the upper and lower limbs of the MOC	Dr.	Christopher	Meinen	Mon	28-Aug	10h30	1.64
P06	755	Meridional heat transport of the Indian Ocean across 34°S based on high resolution Agulhas Current hydrography, satellite, and Argo data	Ms.	Kayleen	McMonigal	Mon	28-Aug	11h00	1.64
P06	883	Seasonality of the Agulhas Current with respect to near- and far-field winds	Ms.	Katherine	Hutchinson	Mon	28-Aug	11h15	1.64
P06	1017	On interannual variability of the Natal Pulse	Mr.	Yoko	Yamagami	Mon	28-Aug	11h30	1.64
P06	942	Gulf Stream North Wall variations in the context of decadal and multidecadal Atlantic variability	Dr.	Gerard	McCarthy	Mon	28-Aug	13h30	1.64
P06	966	Topographically challenged coastal sea level along a western boundary system	Mr.	Anthony	Wise	Mon	28-Aug	13h45	1.64
P06	784	Field experiments in the Brazil-Malvinas Confluence during early austral fall	Prof.	Josep L.	Pelegris	Mon	28-Aug	14h00	1.64
P06	1162	Dynamics of Brazil Current transport variability observed at 34.5°S on intraseasonal to interannual time scales	Dr.	Maria Paz	Chidichimo	Mon	28-Aug	14h15	1.64

<b>P06</b>	1425	The use of downscaling technique to investigate the physical processes related to the Brazil Current in the Southwest Atlantic - Preliminary Results	Miss.	Leilane	Passos	Mon	28-Aug	14h30	1.64
<b>P06</b>	1164	Crossroads of the Agulhas System	Dr.	Jeffrey	Book	Mon	28-Aug	14h45	1.64

<b>P06</b>	1360	Modelling the cyclonic Durban Eddy south of the KwaZulu-Natal Bight, east coast of South Africa	Ms.	Lisa	Guastella	Tues	29-Aug	09h00	1.64
<b>P06</b>	421	A lagrangian study of the surface velocity structure of the Agulhas Current at 34° S	Mr.	Jethan	d'Hotman	Tues	29-Aug	09h15	1.64
<b>P06</b>	1298	Disentangling the link between transport and eddies in the Mozambique Channel	Dr.	Stephane	Pous	Tues	29-Aug	09h30	1.64
<b>P06</b>	141	Broadening not Strengthening of the Agulhas Current since the early 1990s	Prof.	Lisa	Beal	Tues	29-Aug	09h45	1.64

<b>P06</b>	445	The East Australian Current System - An observational description	Mr.	Ken	Ridgway	Tues	29-Aug	10h30	1.64
<b>P06</b>	217	Influence of the East Australian Current on shelf dynamics and upwellings from moorings, gliders and HF radar observations	Dr.	Amandine	Schaeffer	Tues	29-Aug	11h00	1.64
<b>P06</b>	566	The role of forcing variability in eddy shedding and the southward extent of the East Australian Current extension	Mr.	Christopher	Bull	Tues	29-Aug	11h15	1.64
<b>P06</b>	601	Observed eddy dissipation in the Agulhas Current	Miss.	Laura	Braby	Tues	29-Aug	11h30	1.64

<b>P06</b>	589	The impact of large Agulhas Current meanders on Shelf Waters	Mr.	Neil	Malan	Tues	29-Aug	11h45	1.64
<b>P06</b>	724	Challenges in Western Boundary Currents Modeling	Prof.	Pierrick	Penven	Tues	29-Aug	13h30	1.64
<b>P06</b>	591	Modulation of Western Boundary Currents by Oceanic Current Interactions with the Atmosphere	Mr.	Lionel	Renault	Tues	29-Aug	14h00	1.64
<b>P06</b>	1270	Wind Increase above Agulhas Eddies	Prof.	Mathieu	Rouault	Tues	29-Aug	14h15	1.64
<b>P06</b>	914	Signature of the Agulhas Current in ASAR derived wind fields	Dr.	Marjolaine	Krug	Tues	29-Aug	14h30	1.64
<b>P06</b>	585	Impact of a fully resolved mesoscale on the dynamics in the Agulhas Current system	Dr.	Franziska	Schwarzkopf	Tues	29-Aug	14h45	1.64
<b>P06</b>	1366	Impacts of Agulhas Leakage on the western boundary systems of the Tropical Atlantic Ocean	Dr.	Paola	Castellanos	Tues	29-Aug	15h00	1.64

### P07 - Upwelling systems and ocean economy (IAPSO)

<b>Session ID</b>	<b>Abstract ID</b>	<b>Abstract Title</b>	<b>Title</b>	<b>Author First Name</b>	<b>Author Last Name</b>	<b>Date</b>		<b>Time</b>	<b>Venue</b>
<b>P07</b>	623	Equilibrium Dynamics of the Benguela System	Dr.	Jennifer	Veitch	Mon	28-Aug	08h30	1.63
<b>P07</b>	71	Agulhas Leakage and the intermediate water masses in the Benguela Upwelling system	Dr.	Nele	Tim	Mon	28-Aug	09h00	1.63

<b>P07</b>	1253	Subseasonal Coastal Trapped Waves propagation in the Southeastern Pacific and Atlantic oceans	Dr.	Serena	Illig	Mon	28-Aug	09h15	1.63
<b>P07</b>	708	Decade-scale trends in plankton of the Benguela upwelling system	Dr.	Hans	Verheye	Mon	28-Aug	09h30	1.63
<b>P07</b>	1503	Effects of environmental variability on small pelagic fish in the southern Benguela ecosystem	Dr.	Carl	van der Lingen	Mon	28-Aug	10h30	1.63
<b>P07</b>	960	Population distribution and biomass variability of sardine and anchovy in the Canary Current system as simulated by an end-to-end coupled model	Dr.	Jose Carlos	Sanchez-Garrido	Mon	28-Aug	11h00	1.63
<b>P07</b>	649	Towards a coastal modelling system for South Africa: A St Helena Bay case study	Dr.	Charine	Collins	Mon	28-Aug	11h15	1.63
<b>P07</b>	633	Seasonality of coastal upwelling off south of Madagascar: temporal and spatial variability	Mr.	Juliano Dani	Ramanantsoa	Mon	28-Aug	11h30	1.63
<b>P07</b>		Expanding Oceans Economies and the need for Governance	Prof.	Ken	Findlay	Mon	28-Aug	11h45	1.63