

**3<sup>rd</sup> Meeting of the IHO TIDES, WATER LEVEL AND CURRENTS Working Group (TWCWG3)  
VIÑA DEL MAR, CHILE, 16-20 APRIL 2018**

16 April				
Time	Agenda	Event/Topic	Lead	Remarks
0800		Registration	SHOA	
0900	1 1.1 1.2  1.3	Opening Opening address (Mme Gwenaële Jan) Welcome speech (RA Patricio Carrasco, Director SHOA) IHO address (Mr David Wyatt) Key Note Address (TBD) Official photograph	Chair SHOA  IHO  SHOA	
1000		Tea/coffee break		
1030	2 2.1 2.2 2.3 2.4 2.5	Administrative Arrangements Adoption of the Agenda Conduct of Sessions Meeting administration Report of Intersessional Activities Matters arising from TWCW2/Review of Action Items	Chair/Sec Chair/Sec Chair/Sec SHOA All All	
1100	3	National Presentations	All	
1200		Lunch break		
1300	3  4 4.1 4.2 4.3 4.4	National Presentations (cont.)  Product Specification Presentations IHO GI Registry brief Progress update brief : S-111 Progress update brief : S-104 S-111 and S-126/S-124 interoperability	All  AUS CAN/USA AUS UHN	Objectives for the meeting Status on S-1XX Progress, problems, open discussion
1400		Tea/coffee break		
1420	5 5.1 5.2  5.3  5.4	Product Specification Work Packages Progress report on current datasets (S-111) Feedback from first encoding tests (with different data sets) Feedback from Webinar session: Encoding datasets in HDF5 S-111 format Application of encoding tool(s) to additional datasets	CAN/ USA CAN/ USA  CAN	Progress, problems, open discussion
1630		Close		
17 April				
Time	Agenda	Event/Topic	Lead	Remarks
0900	5.5	Product Specification Work Packages (cont.) Encoding datasets in HDF5 S-111 format (Tools: How to encode current data in HDF5 S-111)	CAN/ USA	Progress, problems, open discussion Draft for TWCWG4
1030		Tea/coffee break		
1100	5.5	Product Specification Work Packages (cont.) Tools: How to encode current data in HDF5 S-111 format S-100 WG link.	CAN/ USA Chair/ IHB	Conclusions on S-111, S-104. Open points for TWCWG4
1200		Lunch		
1330	6 6.1 6.2 6.3 6.3.1 6.4	Programme Matters Standard Constituent List Standard for Digital Tide Tables Long term data sets for the study of global sea level rise Visualization of storm surges and future sea level rise Analysis of a common data set	GBR USA IHO/All GBR/NOR NOR USA	
1500		Tea/coffee break		
1520	6 6.5	Programme Matters (cont.) Exchange of Harmonic constants/predictions	GBR/ USA/ All	Additional talks on topics 6
1630		Close		

18 April				
Time	Agenda	Event/Topic	Lead	Remarks
0900	6 6.6 6.7 6.7.1 6.8 6.9	Programme Matters (cont.) VRF for High Resolution Bathymetric Surfaces Determining ellipsoidal height of MSL (Level of reference) A common reference frame Inventory of tide gauges used by IHO MS Actual Tides On-line Link status	All  NOR	National projects talks, presentations
1030		Tea/coffee break		
	6 6.10 6.10.1 6.10.2 6.10.3 6.10.4 6.10.5	Programme Matters (cont.) National projects talks, presentations Nevref project (NL, R. Klees, C. Slobbe) NSHC action on LAT and CD Versatile Hydrodynamics Surfex project Integration of oceanographic data in ECDIS (L.Becker)	NLD NLD NLD FRA DEU	Presentations from other members of TWCWG related to agenda
1200		Lunch		
1330	6 6.10	Programme Matters (cont.) National Project presentations (cont.): To be completed depending on the TWCWG members who would like to present project, results.		
tbc		Technical visit to SHOA Tsunami warning centre	SHOA	
19 April				
Time	Agenda	Event/Topic	Lead	Remarks
0900	7 7.1 7.2	IHO Resolutions and Charting Specifications Review of IHO Resolutions Review of IHO Charting Specifications	Chair/IHO Chair/IHO	
1030		Tea/coffee break		
1100	8  8.1  9 9.1	IOC Programmes :Update on IOC/GLOSS programme  Tsunami warning system in Japan  Capacity Building Tides and Water Levels Workshop training material	NOR/CHL/BRA  JPN  ZAF/USA	Roadmap for report to S-100WG and IHO  TWCWG contact at TOWS Review contents
1200		Lunch		
1330	9 9.1	Capacity Building (cont.) Tides and Water Levels Workshop training material (cont.)	RSA/USA	Review contents
1500		Tea/coffee break		
1530	10 10.1	Any Other Business Roadmap for report to S-100WG and IHO	WP leaders/ Chair/ IHB/ All	Input from PS leads and all participants
1630		Close		
20 April				
Time	Agenda	Event/Topic	Lead	Remarks
0900	10 10.2	Any other business (cont.) Historical data , data rescue	All	
1030		Tea/coffee break		
1100	11 11.1 11.2 12	Review draft TWCWG Work Plan Review of Action Items from TWCWG3 Venue and dates for 4 <sup>th</sup> TWCWG meeting Closing Remarks	Chair/IHO Chair/IHO Chair/IHO Chair	
1200		Lunch		

Notes:

1. UN identification letter codes used for countries.
2. Pass venues for TWLWG - TWLWG7 – Silver Spring, MD, USA

		TWLWG6 – Wollongong, Australia
		TWLWG5 – Helsinki, Finland
		TWLWG4 – Fish Hoek, South Africa
		TWLWG3 – Jeju Island, Republic of Korea
		TWLWG2 – Stavanger, Norway
		TWLWG1 – Niterói, Brazil
Pass venues for SCWG	-	SCWG3 – Tokyo, Japan
		SCWG2 – Québec City, Canada
		SCWG1 – Silver Spring, MD, USA
Pass venues for TWCWG	-	TWCWG1 – Niterói, Brazil
		TWCWG2 – Victoria, Canada

Plan to continue to late April/early May timings, subject to external influences, such as need to coordinate with other IHO bodies and host preference.