Agenda OPST-12

Wed, 15 April - Day 1

		Length in min
8:30 - 9:00	**Registration**	30
9:00 - 9:10	**Introduction** (welcome, housekeeping, events) Greg or Kirsten	10
9:10 - 9:20	Invited local host talk, land claim acknowledgement	10
9:20 - 9:50	**New TT chairs intro :** Chunxue Yang -IV-TT (CNR), Marcin Chrust - DA-TT (remote) (ECMWF), Anass El Aouni - AI-TT (MOI), Rachel Furner AI-TT (ECMWF), Stefania Ciliberti -IV-TT (NowSystems)(remote) and Anthony Weaver - DA-TT (CERFACS) (remote) - 5 min each	30
9:50 - 10:05	**OP overview and meeting objectives** (Greg and Marie)	15
	News and developments - setting the stage	
10:05 - 10:15	**OP-DCC** and UN decade	10
10:15 10:25	**ForeSea** progress	10
10:25 - 10:35	**Discussion**	10
10:35 - 11:00	**Tea/coffee**	35
11:00 - 11:10	**In-situ observations (Argo, GOOS,..)** TBC	10
11:10 - 11:20	**Satellite obs (new missions, etc.)** Pierre-Yves Le Traon (MOI)	10
11:20 - 11:30	**AI transformation** -Rachel Furner (ECMWF) & Anass El Aouni (MOI)	10
11:30 - 11:40	**HPC developments (GPUs, differential modelling)** - TBC	10
11:40 - 11:50	**Digital Twins** (DITTO) - TBC	10
11:50 - 12:10	**Discussion**	20
	WMO collaborations 30 min	
12:10 - 12:20	**JCB -** Fraser Davidson (ECCC)	10
12:20 - 12:40	(**JWGFVR**) Joint Working Group on Forecast Verification Research and related WMO activities - Barbara Casati (ECCC)	20
12:40 - 12:50	**Discussion**	10
12:50 - 14:00	**Lunch**	70
	Task team and WG sessions - visons and plans for the next 5 years	
14:00 - 14:20	**OPOS-WG**	20
14:20 - 15:35	**Covers 5 presentations** [System presentations (short - 10+5 min)]	75
15:35 - 16:00	**Tea/coffee**	30
16:00 - 16:45	**Covers 2 presentations** (10+5 min) + 1 slot (30 min) to cover one slide presentations of absent systems	45
16:45 - 17:30	**Discussion**	15
17:30	**Close of meeting**	
from 19:00	**Dinner in Montreal**	

480

Thu, 16 April - Day 2

8:45 - 8:50	**Intro, housekeeping**	5
8:50 - 9:15	**IV-TT - Chunxue Yang (CNR)** (15+10 min)	25
9:15 - 9:40	**COSS-TT - Alex Kurapov (NOAA) & Joanna Staneva (Hereon)** (15+10 min)	25
9:40 - 10:05	**MEAP-TT - Stefano Ciavatta (MOI)** (15+10 min)	25
10:05 -10:10	**Discussion**	5
10:10 - 10:40	**Tea/coffee**	30
10:40 - 11:05	**DA-TT - Ann Kristin Sperrevik (Met.no)** (15+10 min)	25
11:05 -11:30	**OSEval-TT/ SynObs - Yosuke Fujii (MRI/JMA) & Elisabeth Remy (MOI)** (15+10 min)	25
11:30 - 11:35	**Discussion**	5
11:35 - 12:00	**CP-TT - Kristian Mogensen (ECMWF)** (15+10 min)	25
12:00 -12:25	**AI-TT - Rachel Furner (ECMWF) & Anass El Aouni (MOI)** (15+10 min)	25
12:25 - 12:30	**Dicussion**	5
12:30 - 13:45	**Lunch**	75
13:45 - 14:00	**Bus prep**	15
14:00 - 15:00	**Bus leaves for trip to Sugar Shack, leave at 14:00**	60
15:00 - 17:00	**Breakout discussions at Sugar Shack**	120
from 17:00	**Dinner at Sugar Shack**	

495

Fri, 17 April - Day 3

8:55 - 9:00	**Intro, housekeeping**	5
	5-year plan discussions	

9:00 -9:45		**A. Building the ocean prediction capacity of the future (5 obj)** 1. **Data assimilation:** Improving ocean data assimilation capacity 2. **Verification:** Research to improve monitoring for ocean prediction accuracy and utility by developing a common framework by which operational centres can participate in regular system inter-comparisons and verifications 3. **Observing system evaluations:** Contributing to projects and assessment to better design observing systems and assess the observation impact on prediction 4. **Models:** Collaborating with various science R&D groups through OceanPredict task teams to improve ocean prediction 5. **Visualisation:** Collaborating with ocean product developer and ocean services to improve	45
9:45- 10:30		**B. Strengthening engagement with the international ocean science community (4 obj)** **6. Value-chain:** Nurturing sustained productive dialogues with global and regional in-situ and satellite observing system agencies, coordinating R&D efforts with intermediate value-chain users and contributors such as coastal and biogeochemical prediction systems, and building close relationships with science partners and user groups to create a framework of operational oceanography. 7. **Operationality:** Supporting the transition from research and development to operations of prediction system improvements by reporting relevant scientific developments to ETOOFS and the OceanPredict systems. 8. **International collaborations**: Actively contributing to the UN Decade of Ocean Science goals for Sustainable Development. 9. **Downstream:** Promoting access to data and information products and enhanced uptake of ocean analysis and forecasting products with governments, the public and private sector.	45
10:30 - 11:00	**Tea/coffee**		30
11:00 - 11:45		**C. Co-design and co-develop ocean prediction and ocean observing systems (4 obj)** 10. **Partnerships:** Develop strong partnership with observation and NWP agencies with the objective to co-design/co-develop ocean observing and prediction systems 11. **Monitoring and assessments:** Set up and improve monitoring systems for assessing the impact of observations and sharing results with associated partners. Increase use of these systems by operational centres. 12. **New observations:** Engage key-observing and key-end-user-focussed partners to evaluate and communicate impact of new ocean observing systems 13. **Improving observation and prediction systems:** Fostering and coordinating the development of emerging areas and new ocean monitoring, modelling and assimilation components to improve ocean forecasting and observing systems for both operational implementation and research (including physical, biogeochemical, and biological/ecological observations)	45

11:45 - 12:30		**D. Increasing societal impact of ocean prediction (4 obj)** **14. Routine impact assessments for user benefit:** Conducting routine impact analysis for various aspects of ocean observing systems on improving end user experience, as well as impact on other environmental prediction components **15. New capabilities:** Enhancing research value and utility for operational prediction centres through targeted collective multi-disciplinary projects on new capabilities for operational oceanography in cooperation with other relevant international research programmes, including adopting machine learning/AI where appropriate and beneficial. **16. Outreach - learning:** Promote an increase in understanding and uptake of ocean prediction science and products by promoting knowledge and sharing of information equitably around the world. This will be achieved through organising and preparing symposia, summer schools, training workshops, online training and ocean literacy material, as well special publications. The goal is to nurture a growing community of scientists, students and public in general, on operational oceanography covering ocean observations, ocean prediction science, operational prediction systems, products, end use tools, downstream services and societal benefits. **17. Outreach – supporting new operational system utility:** Collaborate with upcoming prediction systems to support the transition from research to operations and facilitate end use	45
12:30 - 14:00	**Lunch**		90
14:00 - 14:20	**Events** (SynObs WS, CP-TT/DA-TT WS, IV-TT meeting, OP summer school and COSS-TT WS **- Kirsten Wilmer-Becker (Met Office) + TT co-chairs**		20
14:20 - 14:40	**OP business** (people changes, finances, communication, OPAS, etc.)**- Kirsten Wilmer-Becker (Met Office)**		20
14:40 - 15:00	**TTs and OPOS-WG** progress, issues, questions (other than discussed during the 5-year plan - TBC		20
15:00 - 15:20	**Summary discussions and wrap up**		20
15:20	**Close**		
			385