

## **Seventh Meeting of the IHO Hydrographic Surveys Working Group (HSWG 7)**

**In person event – European Space Agency Centre for Earth Observation (ESRIN)**

**Largo Galileo Galilei, 1, 00044 Frascati, Rome, Italy**

**30<sup>th</sup> September to 4<sup>th</sup> October 2024 (all times CEST)**

### **Day 1 – Monday 30<sup>th</sup> September**

**0930 to 1300 – Informal meetings of the Bathymetric Coverage and Uncertainty Sub-Groups – Location TBC [Villa Mercedes, Via Tuscolana 20 Frascati, not ESA]. Contact your sub-group chairs if they have not already contacted you.**

**1300 – ESA Shuttle Bus from Frascati Piazza Marconi (Map annex A)**

**1320 – HSWG Members arrive ESA for security check in.**

**1400 - Plenary (Room = Magellan)**

1. Welcome and opening remarks from chair group. (*Chair*)
2. Welcome address from ESA.
3. Very short introduction from all participants (in order stated by Chair)
4. Procedures of the Meeting. (Chair)
5. Approval of agenda. (Chair)
6. Review of ToRs and RoPs (Secretary)
7. Approval of Minutes of HSWG6 (Secretary)
8. Review of actions from HSWG6 (Secretary)
9. Key objectives for HSWG7 (Chair)
10. HSWG Work Plan (Vice-Chair)
11. Liaison with other HSSC Working Groups (including designation of individuals for liaison)
  - 11.1.1. DQWG
    - 11.1.1.1. Current situation
    - 11.1.1.2. CATZOC / S-1xx Quality / S44 mapping update, post HSSC
    - 11.1.1.3. Common use of uncertainty formula
    - 11.1.1.4. Further opportunities for collaboration
  - 11.1.2. HDWG
    - 11.1.2.1. Current situation
    - 11.1.2.2. Terminology

- 11.1.2.3. Further opportunities for collaboration
- 11.1.3. TWCWG (Chair)
  - 11.1.3.1. Current situation – DP to update on discussions.
  - 11.1.3.2. Further opportunities for collaboration
- 11.1.4. S-100WG (Hans Oias)
  - 11.1.4.1. Current situation
  - 11.1.4.2. Further opportunities for collaboration
- 11.1.5. GEBCO TSCOM (Sam Harper)
  - 11.1.5.1. Current situation
  - 11.1.5.2. Further opportunities for collaboration
- 11.1.6. Crowdsource Bathymetry Working Group (Sam Harper)
  - 11.1.6.1. Current situation
  - 11.1.6.2. Further opportunities for collaboration

**1530 – 1545 Break (Room = Cook)**

12. MHPT Part 1 (MHPT Chair)

- 12.1. General update from MHPT
- 12.2. Terms of Reference
- 12.3. Workplan
- 12.4. Review of Current Edition (if time available)
- 12.5. Structure of next edition of C-13
- 12.6. Outline for MHPT Breakout sessions

13. SDBPT Part 1 (SDBPT Chair)

- 13.1. General update from SDBPT
- 13.2. Terms of Reference
- 13.3. Workplan
- 13.4. General initial input from HSWG
- 13.5. Outline for SDBPT Breakout sessions

14. Exchange experiences of new technology, approaches, and best practice.

- 14.1. Christian Comtois [Canada]: “Exploring New Frontiers: The Role of Crowd-Sourced and Satellite-Derived Bathymetry in Community Hydrography”

**(Member States and Expert Contributors to suggest introductory presentations to promote discussion to Chair in advance)**

**1730 Close of Day 1 Business**

**1730 – HSWG7 Icebreaker @ ESRIN (Drink and canapés)**

**1900 - ESA Shuttle bus from ESRIN to Piazza Marconi**

## Day 2 – Tuesday 1st October

**0820 – ESA Shuttle Bus from Frascati Piazza Marconi to ESRIN**

**0900 - Plenary - S-44 Continuous Improvement (Room = Magellan)**

15. S-44 Continuous Improvement (Vice-Chair)

15.1. Current status of S-44 and Maintenance Process

15.2. S44 Feedback Tracking

15.3. Detailed discussion on Thematic sub-groups

15.3.1. Backscatter (HSWG Chair and Vice Chair)

15.3.2. Bathymetric Coverage (Jani) [Up to 2 hours]

15.3.3. Uncertainty (Hans / Jean Guy) [Up to 2 hours]

15.3.4. Other items for consideration within the standard

15.4. Additional feedback on S44 from operational experience

15.5. Promotion of S-44 and Links to IHO Strategic Objective 2.2

15.6. Education on S-44

15.7. Support for further translation of S-44 for onward IHO publication

**Breaks: 1030 to 1045, Lunch 1320 to 1420 ESA Canteen (Room = Cook - No afternoon break due to 1630 Finish)**

**1630 – ESA Phi Experience Guided Tour and ESRIN Visitor Center Tour (up to 25 persons per group x 30 minutes each – swap at 1700)**

**1730 Day Ends - Free Evening**

**1730 - ESA Shuttle bus from ESRIN to Piazza Marconi**

## **Day 3 – Wednesday 2<sup>nd</sup> October**

**0820 – ESA Shuttle Bus from Frascati Piazza Marconi to ESRIN**

**0900 – Project Team Breakout Sessions**

16. Breakout Sessions #1 (running in parallel)

- MHPT
- SDBPT

**Breaks: 1030 to 1045, 1320 to 1420, 1530 to 1545**

**1700 Close of Day 3 - Free Evening**

**1700 - ESA Shuttle bus from ESRIN to Piazza Marconi**

## **Day 4 – Thursday 3<sup>rd</sup> October**

**0820 – ESA Shuttle Bus from Frascati Piazza Marconi to ESRIN**

**0900 – Project Team Breakout Sessions**

17. Breakout Sessions #2 (running in parallel)

- MHPT
- SDBPT

**Breaks: 1030 to 1045, Lunch 1320 to 1440 ESA Canteen, 1530 to 1545**

**1700 Close of Business for Day 4**

**1700 - ESA Shuttle Bus from to ESRIN HSWG7 Dinner at Villa Grazioli**

**1730 onwards – HSWG7 Delegate Dinner at Villa Grazioli. Arrangements assisted by ESA by not hosted – each delegate will cover own dinner costs. EIVA and EOMAP are kindly covering wine with dinner and pre-dinner drinks respectively.**

**2130 - ESA Shuttle Bus from Villa Grazioli to Frascati Piazza Marconi**

## **Day 5 – Friday 4<sup>th</sup> October**

**0820 – ESA Shuttle Bus from Frascati Piazza Marconi to ESRIN**

### **0900 – Plenary**

18. S-44 Summary: (HSWG Vice-Chair)

- 18.1. Present outcomes of S-44 Breakout Session
- 18.2. Further HSWG Input
- 18.3. Updated Workplan
- 18.4. Next Steps

19. MHPT Summary: (MHPT Chair)

- 19.1. Present outcomes of MHPT Breakout Session
- 19.2. Further HSWG Input
- 19.3. Updated Workplan
- 19.4. Intersessional activities
- 19.5. Next Steps

20. SDBPT Summary: (SDBPT Chair)

- 20.1. Present outcomes of SDBPT Breakout Session
- 20.2. Further HSWG Input
- 20.3. Updated Workplan
- 20.4. Intersessional activities
- 20.5. Next Steps

### **1030 - 1045 Break**

### **1045 - Plenary**

21. HSWG by-elections

- 21.1. Co-Vice Chair [1 nomination received from Carlos Marques [Portugal]]
- 21.2. HSWG Secretary [1 nomination received from Lilei Lv [China]]

22. Any other business. (Chair)

- 22.1. Conferences and other events [all delegates welcomed to promote]

23. Date, venue and method of next meeting – HSWG8 (Chair)

- 24. Review of updated Work Plan (Vice-Chair)
- 25. Intersessional activities. (Vice-Chair)
- 26. Review of Action List and items for agenda for HSWG8. (Secretary)
- 27. Closing remarks. (Chair and Vice-Chairs)

**1200 Close of Day 6 Business and of HSWG7**

**1200 Lunch 1300 ESA Canteen**

**1300 HSWG7 Ends, delegates depart (no transport provided by ESA)**

## **Annex A: Shuttle Bus Pick Up / Set Down Location Map**

Frascati Map (location bus pick up point)

