

# INTAROS Steering Committee 06 May – 07 May 2019

GEUS, Copenhagen



## Agenda items – day 1

	Description	Tentative time schedule
1	Welcome and Agenda approval	1300 - 1310
2	Minutes and actions from previous SC meetings, including report from Advisory Panel	1310 - 1320
3	Status of workflow through the project – How is the connection between WP2, WP3, WP4, WP5 and WP6	1320 - 1400
4	WP1: Stakeholder activities and collaboration development	1400 - 1500
	Coffee break	1500 - 1530
5	WP2: Status of data catalogues and data repositories, deliverables D2.10 (Synthesis report) and D2.11 (Maturity report)	1530 – ca. 1730



## Agenda items – day 2

	Description	Tentative time schedule
6	WP3: Status of data collection and data delivery from each task	0900-0930
7	WP4: Progress of work, status of data collection, etc.	0930-1000
8	WP5: Progress of work	1000-1030
	Coffee break	1030-1100
9	WP6: Workplan for each task	1100-1130
10	WP7: Dissemination and outreach	1130-1200
	Lunch	1200-1300
11	WP8: management	1300-1315
12	Roadmap work – contribution from the Steering Committee	1315-1400
13	Risk and mitigation actions	1400-1415
14	Contribution to EuroGEOSS workshop and the Arctic GEOSS call	1415-1430
	Coffee break	1430-1500
15	Upcoming events, where and how will INTAROS contribute	1500 - 1530
16	Date en venue for the next GA meeting in Jan-Feb 2020	1530

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## Open actions from SC-meeting 3-4 May 2018

Action no	Description	Status
18-09	Matrix must be updated / completed. (e.g. GEO cold region) and included in the Periodic Report.	Replaced by description in D1.4
18-10	The SC members can suggest names of new members and present to the present Panel members	One new member included: Nickolas Chotiros, ONR
18-11	WP-leaders, Task-leaders and other partners are requested to upload information about ongoing work to the partner website, especially regarding the field work in 2018 (see also action 18-12)	Similar request for the field work in 2019
18-12	Action 18-12: A contact person for each of the 2018 field programmes need to be appointed and asked to deliver brief information to the website.	Similar request for 2019
18-13	The Executive Board will start to identify persons representing funding bodies and stakeholder organizations who could be members of the Forum. (The Forum will not be established because the Roadmap will be developed in collaboration with SAON).	Identify names of persons in each country who should be involved in the Roadmap work (D1.4)

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## Open actions from SC-meeting 11 Jan. 2019

Action no	Description	Status
19-01	WP-leaders will write a paragraph in the Periodic Report describing how the reviewers' comments have been followed up. Presentation of status by each WP-leader at the SC-meeting.	Input to report for month 25-30, due in June 2019
19-02	Status on what data are available from WP2 and WP3 through the data catalogue.	Input to report for month 25-30, due in June 2019
19-03	Present workplans from each Task in WP6 at the SC meeting.	Ongoing
19-04	How to improve reporting of dissemination and assess the impact of the dissemination work ? The SC-meeting should propose some metrics for this assessment and how it contributes to societal benefit in the Arctic region and beyond.	Ongoing



## Major recommendations from the reviewers

- 1) **Significantly re-structure how you are addressing stakeholder engagement** so that the roadmap for the future sustainable Arctic Observing System is designed to meet prioritized societal needs
- 2) Continue to **refine the observing system and asset inventories**, especially to include non-members of the INTAROS consortium, and group the results to better link them to societal needs.
- 3) Continue work on the **INTAROS web page to make it more usable** by not-INTAROS users. Increase the transparency of the program by providing as much information and deliverables on the public site. Ensure that all portions of the site are functional.
- 4) Work to improve and **better structure performance indicators for outreach and dissemination activities**, as well as to implement solid methodologies/procedures for their evaluation. Organize a repository to collect the details on each action, so that future reviews can better assess their impact.



## Specific comments from Advisory Panel

- Strengthen collaboration with SAON, AOS, ADC and CON to develop INTAROS Roadmap
- Develop online tool for to survey status of observing systems
- Data management and integration (WP5): show practical examples for scientists who are not familiar with the terminology
- Stakeholder engagement: consult with the other Cluster projects to avoid duplication of work. Also contact national representatives in Arctic Council and the working groups
- Dissemination and outreach: need more input from all partners, so the News section on the website has more up-to-date information



## WP1: Requirements and strategy for Pan-Arctic Observing systems

### Task 1.2: Stakeholder cooperation

- Organise workshops, meetings and other stakeholder events in collaboration with the Arctic Cluster
- Involve stakeholders in each of the tasks in WP6
- Use the 9 measures of stakeholder engagement (next slide)

### Task 1.3: Collaboration development

- Collaboration with SAON through 1) Roadmap Task Team and 2) Arctic Data Committee
- Establish new projects as spin-off from INTAROS
- Organise sessions at conferences in collaboration with the Arctic Cluster and other projects
- Meetings and workshops with partners and other institutions in USA, Canada, Russia, China, Japan, Korea
- Members of advisory panels in other Arctic projects
- Need description of collaboration from the whole INTAROS team (input to D1.4)



## Engagement Strategy document (D1.3)

The following measures will be used to engage stakeholders:

- Measure 1: Organise stakeholder workshops
- Measure 2: Web-portal and social media
- Measure 3: Science policy briefing papers and documents
- Measure 4: Conferences and other events
- Measure 5: Training
- Measure 6: One-to-one meetings
- Measure 7: INTAROS Roadmap
- Measure 8: Cross-EU project activities
- Measure 9: MoU



## WP7: Dissemination and outreach

- Report from the Target Audience and Messaging Workshop 10 Jan 2019 (from Ruth)
- Overview of dissemination activities: to be reported by all partners in next Periodic report ([publications](#), [data](#), [reports](#), [posters](#), [presentations](#), [media stories](#), training, +)
- Public website: need material from all partners, including new stories, blogs, etc.
- New material is also needed for e-newsletter and updated brochure to show what has been achieved
- How to strengthen dissemination activities and measure impact ? (see comments from reviewers)



## Dissemination and stakeholder activities (1)

Date	Activity
2 – 7 Dec	Research school at UNIS, organised by NERSC, 30 participants. Included a 1-day dialogue workshop with local community in Longyearbyen
11 Dec	Organised INTAROS session at AGU in Washington (FMI, NERSC, GEUS), oral (e-lightning) and poster session
23 Jan	Arctic Frontier Side-meeting organised by Arctic Cluster
28-30 Jan	KEPLER KO-meeting, where S. Sandven is member of the Advisory Board
7 March	Stakeholder workshop with cruise expedition companies in Longyearbyen
25-26 Mar	EU Polarnet General Assembly, Lisbon
11 April	EGU session on Arctic Observing systems, Vienna (FMI, NERSC, MPG, GEUS)
29-30 Apr	Workshop on Arctic Ocean observing platforms and technologies, Bergen
10-11 May	Arctic Circle China Forum, session organised by NERSC and PRIC
13-17 May	Living Planet Symposium: INTAROS presentation at the session 'EC and ESA collaboration: Polar Science Challenges and future activities' (Pedro G.)
16-17 May	European Maritime Days, Lisbon, Eurocean will present INTAROS material
21 May	NorData-INTAROS joint user workshop at University of Oslo on scientific data sharing and data management

## Dissemination and stakeholder activities (2)

Date	Activity
24-25 May	Arctic Science Summit Week, presentations by RIHMI-WDC and NIERSC
4 June	Arctic cluster meeting in Brussels
26-27 June	Arctic dialogue meeting (Brussels) organised by Research Council of Norway
3-5 July	EuroGEOSS workshop in Lisbon
8-18 July	INTAROS presentation at Data -driven Science for Earth and Space Exploration. IUGG General Assembly, Montreal.
16-20 Sept	INTAROS is involved in white papers and organising an Arctic side meeting at OceanObs in Hawaii
10-13 Oct	INTAROS will participate at Arctic Circle, in collaboration with SAON
5 – 6 Nov	Svalbard Science conference in Oslo: INTAROS has proposed a side-meeting on social science networking
18-21 Nov	Polar Data Forum 18-21 November: INTAROS will contributing to this conference organised by the Arctic Data Committee
9 – 13 Dec	AGU in San Francisco

## Item 18: Risk and mitigation actions (1)

Description of risk	WP involved	Proposed mitigation actions
Lack of interest among relevant stakeholders (low)	WP1, WP6, WP7	Enhance communication with more stakeholders, organise more stakeholder workshops,
Lack of connectivity between WPs and delays in deliverables (low)	All WPs	Proactive management by coordinator and WP-leaders. Raise issues at SC- and EB-meetings and decide on mitigation
Lack of interest among key partners to establish Pan-Arctic Observing Forum (low)	WP1	Ensure that Pan-Arctic Observing Forum is closely connected to existing network and can offer benefits to members. Mitigation: Start to work with SAON committees
Lack of long-term funding of observing systems (Medium-high)	WP1	Involve funding agencies and stakeholders from the start. Build on existing international frameworks (SAON, GEO, Copernicus, etc.)
Lack of agreement on data sharing principles and data standards (Low)	WP1, WP2	Work closely with other Arctic data management experts and committees (i.e. through ADC) to resolve issues

## Risk and mitigation actions (2)

Description of risk	WP involved	Proposed mitigation actions
Access to data from Russia (Low-Medium)	WP2	Involve Russian partners (NIERSC and RIHMI) who have relevant data. Funding for the Russian partners is open, so this risk is real
Access to ice-going vessel for deployment and recovery of instruments (Low)	WP3	Several partners in the consortium have access to ice-going vessels, which will be present in the Arctic (AWI, IMR, MISU), incl. icebreakers from China and South Korea.
Loss of equipment or failure to function resulting in loss of data (Low-Medium)	WP3	Robust and well-proven platforms and technologies are used to minimize the risk for failure. Design of experiments according to the highest standards.
Hindrances in translating community data into decision-making (Medium)	WP4, WP6	Will integrate community-based data into international databases and actively promote the use of the results for decision-making. Need to establish best-practices

### Risk management and mitigation actions (3)

Description of risk	WP involved	Proposed mitigation actions
Integration challenges when accessing existing Arctic data repositories ( <i>Low-Medium</i> )	WP5 WP6	Leading experts will jointly work to define standard protocols and metadata to enable technical integration. Each repository to be integrated has a partner with the needed technical expertise to integrate it into iAOS.
Scalability or usability issues with the iAOS Cloud Platform reduces the benefits for stakeholders ( <i>Low</i> )	WP5 WP6	The Terradue Cloud Platform has solid expertise in processing large amounts of satellite data and extract geophysical parameters. Experience will be used to help the scientists in the project to develop useful services for WP6.
Loss or late/low availability of key personnel ( <i>Low</i> )	All	Transfer responsibilities (and if necessary funds) between partners if a partner with shortage of personnel cannot hire qualified candidates within a reasonable time frame to meet the project schedule.

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### Management issues

- Deliverables due end of May:
  - D1.4: Collaboration establishment (delayed and revised)
  - D2.10: Synthesis and recommendation from WP2
  - D2.11: Report on maturity scores of existing observing systems
- Periodic reporting month 25-30 (end of May) using EMDESK. All partners are requested to report progress of work, deviation from plan, specifically address data delivery, dissemination activities and stakeholder interaction.
- Internal communication: the partner website is meant for information on ongoing activities. This requires that WP-leaders, Task-leaders and other partners must ensure that information is delivered to the coordinator on meetings, workshops, conferences, abstract submission, upcoming field work, scientific publications, data publications, data uploading to repositories, other dissemination and outreach activities.

  
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