



INTERACT Phase II

WP 2: Scientific coordination, mentoring and education

USFD (Lead), LU, UOULU, TSU, IGF-PAS

1. To coordinate the communication of the science between the infrastructure and external stakeholders, and to foster international collaboration
2. To promote Arctic and climate change issues in school and university education and to provide appropriate resources

Task 2.1 Coordination and collaboration in Science

Task 2.1a INTERACT mentoring programme

- Establish a bulletin board on the web site advertising facilities for mentoring on a range of science topics and activities.
- Arrange opportunities at consortium meetings for partners that request mentoring in some scientific aspect.

Lead: USFD

Task 2.1b Establishing INTERACT Ambassadors

- Identify a pool of science expertise from INTERACT's partners and Trans-national access community that can respond to requests from external organisations, consortia and networks for information, collaboration and representation from INTERACT

Lead : USFD



Task 2.1c Matchmaking in science

Using the INTERACT pool of expertise, coordinate links between INTERACT and relevant atmospheric and marine networks in the North. Interactions among terrestrial, atmospheric and marine domains will be identified at side meetings during Station Managers' Forum meetings **and TA evaluations.**

Lead : LU

Task 2.2. Promote Arctic and climate change issues in education

Sub task 2.2a. To promote polar issues by providing educational resources within schools. (Lead: IGF-PAS)

This will be implemented :

At local levels (including local conferences for teachers and school representatives)

At the European level through workshops for teachers at “Geosciences Information for Teachers” (GIFT) workshops and through the European educational system

At wider levels through a short brochure to be distributed at conferences, a promotional video clip for teachers, visits to schools, newsletters, and cooperation with H2020 EDU-ARCTIC

Sub-task 2.2b To promote polar issues by providing educational resources within Universities

Awareness of INTERACT activities relevant to university courses, particularly the University of the Arctic, will be increased by guiding universities to information on:-

- projects at INTERACT stations,
- data availability for teaching,
- summer schools (together with APECS),
- an updating and expansion of the online mass outreach video course.

The use of Webinars from stations using the Webex tool will be explored.

(Lead: TSU representing the University of the Arctic)



Sub-task 2.2c. Development of online educational resources and outreach for schools and universities

Development of:-

- INTERACT's online image gallery, linked to an Arctic glossary ,
- interactive components of two books on stories of Arctic science (one from TA projects 2011-2015, and the other from TA projects 2016-2018)
- thematic slide shows and video clips.
- the potential of augmented reality in our educational products
- a series of 'infographics' to explain key topics in Arctic environmental science,

Lead: USFD (with IGF-PAS, TSU, UOULU, TSU)

Sub-task 2.2d. Feedback on INTERACT educational resources

We will evaluate the usefulness of our resources for education by conducting 3 evaluation questionnaires for teachers and reporting on:-

- a) teachers' expectations and needs,
- b) the usefulness of INTERACT's materials, and
- c) recommendations for future development of educational resources.

The surveys will be Computer Assisted Web Interviews (CAWIs).
(Lead: IGF-PAS)

Deliverables

D2.1: Report summarising feedback from target end users concerning ways to extend the educational value of INTERACT's Arctic gallery and glossary (*Month 12*)

IGF-PAS

D2.2-4: Three CAWI survey reports (i.e. Computer Assisted Web Interviews) months 6, 24, 36 **IGF-PAS**

D2.5: Recommendations to authors of educational resources (*Month 36*) **IGF-PAS**

D2.6-8: Three newsletters for teachers (*Month 13, 25, 37*) **IGF-PAS**

D2.9: A report on science expertise among INTERACT partners and ability to act as INTERACT Ambassadors (*Month 9*) **LU**

D2.10: Report of INTERACT Science Stories 1 (2011-2015) with interactive format embedded (*Month 18*) **USFD**

D2.11: Report of INTERACT Science Stories 2 (2016-2018) (*Month 48*) **USFD**

D2.12: Enhanced interactive gallery and glossary (*Month 24*) **USFD**

D2.13: Promotional brochure and video clip (*Month 24*) **IGF-PAS**

D2.14: Series of infographics (*Month 36*) **USFD**

D2.15: Report on INTERACT educational resources for University of the Arctic (*Month 38*) **TSU**



Milestones

M2.1 Establishment of a bulletin board on the web site advertising facilities for mentoring **Month 2 IGF-PAS**

M2.2 Up-dating and expansion of the online Coursera video course “The Changing Arctic” **Month 36 USFD TSU**

Specific contributions to other WPs

WP1 coordination and management

Sub task *1.2c Establish a Trans-national access evaluation board*
(Lead: USFD with UOULU)

M1.4 Formation of International Advisory Board **Month 2**

M1.5 Formation of Trans-national access evaluation board and
virtual access board Month 2 **DONE ✓**

WP3 station managers forum

Task 3.1 Operate the INTERACT Station Managers' Forum as an advanced platform (USFD included)

Task 3.2 Creating Awareness of the Scene (Lead: USFD with UCPH, AU, Station Managers)

WP4 Data Forum

Task 4.2: Establish INTERACT Data Forum - networking networks

WP 5 Giving access to INTRACT

Chairing the TA Board

Publishing science stories

Contributing to the TA Community



WP6 Rapid response to environmental emergency alerts: the “Red phone”

Mentoring and facilitating

WP7 Improving and harmonizing biodiversity monitoring

Task 7.4 Publishing an up-date of a review on Arctic biodiversity

Callaghan, et al., (2013) Arctic Terrestrial Ecosystems. In: Encyclopaedia of Biodiversity, second edition, Academic Press (month 12).

WP9 Adapting to environmental change

Task 9.4 Forestry, hunting and fishing tourism, agriculture and potential new land uses in a warmer climate. Kaibosovo Station, Siberia. (Lead: TSU)

Progress

Task 2-2 Promote Arctic and climate change issues in education

Patron of Wicked Weather Watch for schools

Networking organisations with educational Component – CAFF, schools in Finland, Alaska, Canada.



Putting schools in touch across borders: Tomsk and UK to start



Next steps

Appoint support staff

M1.4 Formation of International Advisory Board **Month 2**

M1.5 Report completion on PROGETA

M2.1 Establishment of a mentoring bulletin board on the web site
Month 2 IGF-PAS

We will be busy!