WP2—Scientific coordination, mentoring and education

Animation of UV-B proxies

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The overall aim of this work package is to communicate INTERACT activities within and outside the consortium by developing and applying new resources including human resources and resources for education at all levels.

The specific aims of this work package are:

- To coordinate the communication of the science within the infrastructure to external stakeholders and vice versa, and to foster international collaboration
- To promote Arctic and climate change issues in school and university education and to provide appropriate resources
Progress since last meeting

D2.4 3rd CAWI (Computer-Assisted Web Interviewing) survey report (PAS)

- For this CAWI survey, a special group of teachers were addressed: SCIENTIX ambassadors representing five countries.

- Scientix promotes and supports a Europe-wide collaboration among STEM (science, technology, engineering and maths) teachers, education researchers, policymakers and other STEM education professionals.

- Activities based on inquiry methods, dialogues, discussion and collaborative working are frequently recommended in European school systems.
D2.5 Recommendations to authors of educational resources (PAS)

Every author of educational resources should begin with a set of answers to basic questions:

**WHO** the users will be
Age of target group, possible language barriers etc.

**WHERE** the materials will be used
Will it be in a lecture, classroom, or homework

**WHAT** facilities will be available
Can the material be used online or does it have to be printed?

**HOW** the materials will be used
Will the teaching method be didactic, interactive, group work, project assignments?
D2.8 3rd Newsletter issues for teachers (PAS)

February 2020
**M2.2 - Up-dating and expansion of the online Coursera video course “The Changing Arctic”**

This has involved 3 basic steps
1) Reviewing the course contents and examination questions
2) Linking to new educational resources
3) Suggesting extensions.

Total learners: 6011
Awards: 457
INTERACT Educational Resources are a success: since May last year, there were 15,162 views of the “Glaciation and hanging valleys formation” animation.
Any remaining tasks

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

Photos from New Science Stories book will be added to the Gallery.

Deadline: 30 September 2020
Any remaining tasks

**D2.2 Report of INTERACT Science Stories II (2016-2019)**

INTERACT Stories of Arctic Science II in press: printed and digital (40+ stories in press)
1. Different ways of knowing

From Evenki Traditional Knowledge to high tech research

2. Human impacts on Arctic environments

Including micro-plastics and light pollution
3. Ecosystem services

Including fragile permafrost ecosystems in Siberian lowland tundra and treeline movement

4. Minimising surprises for society

Including unusual weather events in the Siberian tundra and the exploding Siberian tundra

Körner, in press.

Leibman, Kizyakov, Khomutov, Dvornikov, and Melnikov, in press.
5. Impacts on local societies

Including forest fires in Siberia and coastal erosion in the Canadian Arctic

6. Impacts on global societies

Including “When the ice goes black” and “Arctic permafrost protects global biodiversity”
7. Working together - INTERACT

Including “Peace, politics and science in the Arctic” and “INTERACT in the corona virus world and beyond”

The Digital Version

will include extra material, animations, videos, educational resources, blogs etc.

Breum, in press

TSU animated models to show UV-B proxies