Preparing for a future world: improving education and awareness at all societal levels

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The main objectives are:

- to develop and deliver educational resources at school level in response to needs identified by teachers across the world

- to increase awareness of the general public (including influential people) to Arctic environmental change and its global implications
Progress made during the last year – Task 7.1
Increased public awareness of Arctic environmental change and its global implications (Lead: USFD, sub-contract to BBC)

The BBC NHU Production team in the sound studio in Bristol

Recording of the narration (in Sir David Attenborough’s chair!)
Progress made during the last year – Task 7.1
Increased public awareness of Arctic environmental change and its global implications (Lead: USFD, sub-contract to BBC)

- Deliverable D7.1
- A film entitled “Arctic Amplification” showing how the changing Arctic affects the rest of the world.
- Includes the albedo effect from changing snow and ice surfaces, emissions of greenhouse gases from wild fires and thawing permafrost and finally changes in the jet stream.
• Deliverable D7.2
• A film entitled “Extreme Causes for Concern” showing examples of extreme events that are dangerous to people and ecosystems.
• Includes coastal tsunamis, wildfires, extreme winter warming events.
Progress made during the last year – Task 7.1

Increased public awareness of Arctic environmental change and its global implications (Lead: USFD, sub-contract to BBC)

- Deliverable D7.3
- A film entitled “Disappearing homes” showing two examples of impacts of climate change on northern communities from opposite sides of the Arctic (Canada and Siberia).
- Includes in Canada how scientific research and Indigenous knowledge are working together to monitor the effects of permafrost thaw on coastal erosion at one village under threat. In Siberia, Indigenous Peoples are seeing a change in biodiversity and the species they depend on but also shows a resilient response such as using the longer growing season to grow fruit and vegetables in the Arctic.
Progress made during the last year – Task 7.1

Increased public awareness of Arctic environmental change and its global implications (Lead: USFD, sub-contract to BBC)

- Deliverable D7.4
- A film entitled “The cost of Arctic tourism” showing how climate change is encouraging winter tourists to turn from the south to the north.
- Include how unsympathetic tourism can lead to increased carbon emissions, spread of invasive species, disturbance to reindeer herds and disturbance to local and Indigenous communities. Indigenous presenters show us however how local communities can benefit from tourism and how Sami reindeer herders can collaborate to produce guidelines to educate tour operators and their tourists.
Progress made during the last year – Task 7.1

Increased public awareness of Arctic environmental change and its global implications (Lead: USFD, sub-contract to BBC)

Arctic Circle conference
Friday 20th of September 2023
8PM
You will get popcorn!!

INTERACT
eu-interact.org
Progress made during the last year – Task 7.2
Networking and communication activities with teachers and schools (Lead: IGF-PAS)

7 newsletters (PL+EN) with invitation to polar lessons and information on educational materials were sent to **2454 STEM teachers** from 60 countries (02.11.2022; 05.12.2022; 03.01.2023; 07.03.2023; 05.04.2023; 12.06.2023; 05.09.2023)

Dear Teachers!

Be invited to the online lessons about the Arctic and polar research.

Find out the educational offer in December:

6 Dec at 8 UTC: [Polar bear - the king of the Arctic](#)

7 Dec at 9 UTC: [The Unknown world beneath our feet](#)

9 Dec at 8 UTC: [Written in the Arctic: paleoclimatology](#)
Progress made during the last year – Task 7.2
Networking and communication activities with teachers and schools (Lead: IGF-PAS)

The 4th Scientix International Conference gathered ca. 1,200 teachers, educators, policymakers, science education researchers and project managers attended the conference.

INTERACT was shown as one of the 15 STEM projects presented in plenary sessions.
Progress made during the last year – Task 7.3
Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

INTERACT educational offer was also presented at POLAR SYMPOSIUM-BIS in Poland in May 2023 (poster).
Progress made during the last year – Task 7.3
Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

Invasive species toolkit

- Invasive species will increase in the Arctic due to climate change and accidental/deliberate release of specimens

- Toolkit builds on several lectures that introduces pupils to invasive species concept as well as common invasive species in the northern hemisphere

https://view.genial.ly/5ff5b373c217200ce77c9fb1
Progress made during the last year – Task 7.3
Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

The changing Arctic toolkit

- The toolkit will be dedicated to the Arctic amplification, decreasing sea ice extent and sensitivity of the Arctic to the climate change
- Toolkit will build on lectures, external animation and tasks for students + guidelines for teachers
Progress made during the last year – Task 7.3
Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

Pollution in the Arctic toolkit

- Short and long range transport of pollutants, plastic in the Arctic

- Toolkit will build on lecture, multimedia, research databases and worksheet with tasks for students + guidelines for teachers
Progress made during the last year – Task 7.4

Online lessons for secondary schools (Lead: IGF-PAS)

- 60 online lessons to be conducted by the end of the year
- 57 lessons organised so far
- recordings from the lessons available on the INTERACT website
• Share invitation for free online lessons with teachers from your country
Ways forward

- 3 newsletters for teachers
- Finalising two more toolkits
- Del 7.5 *Report on educational tool-kits* (postponed to M48) to be prepared by December ca. 10 online lessons to be organised by the end of the year
- Postproduction of recordings from lessons – to be published on the INTERACT YouTube and website
- Del. 7.6 *List of conducted online lessons* to be prepared by December