



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



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!)





ncreased 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.







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

- 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.





ncreased 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.





ncreased 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





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

MOVIE PREMIERE

Arctic Circle conference
Arctic Circle conference
September 2023
Friday 20th of September 2023
Friday 20th of September 2023

Friday 20th of September 2023

You will get popcorn!!



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







Networking and communication activities with teachers and schools (Lead: IGF-PAS)

4TH SCIENTIX CONFERENCE: 18-19 NOV. 2022



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.







Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

SYMPOZJUM POLARNE - BIS POLAR SYMPOSIUM - BIS

IO PAN, Sopot, 19.05,2023

INTERACT educational offer was also presented at POLAR SYMPOSIUM-BIS in Poland in May 2023 (poster).

Obecnie IGF PAN prowadzi działania edukacyjne o tematyce polarnej w ramach projektu INTERACT. INTERACT oferuje scenariusze łatwych do wykonania eksperymentów dla szkół podstawowych oraz rozbudowane, zawierające różnorodne materiały zestawy narzedzi dla szkół ponadpodstawowych. Dodatkową ofertą dla szkół jest seria lekcji online poświęconych Arktyce i współczesnym badaniom polarnym.





www.eu-interact.eu

Europejski projekt INTERACT (H2020) jest siecią 70 stacji polarnych w Arktyce, subarktyce i w obszarach alpejskich. Komponent edukacyjny i informacyjny INTERACT ma na celu promowanie zagadnień zwiazanych z Arktyką i środowiskiem w edukacji w celu zwiększenia świadomości uczniów na temat globalnych wyzwań, w tym zmiany klimatu







dla szkół podstawowych przygotowane przez INTERAC



Stories of Arctic Science



opowieści grup badawczych w tradycyjnej (książkowej)



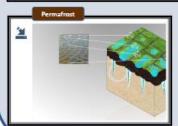
Pakiety edukacyjne

Rozbudowane pakiety edukacyjne dla szkół średnich i starszych klas szkół podstawowych przygotowane przez Instytut Geofizyki PAN



Elementy każdego pakietu:

- 5 pojęć do zapamiętania i słowniczek
- Mapa myśli
- Materiały dla nauczycieli, plan lekcji
- · Karty pracy dla uczniów
- · Krzyżówki, guizy
- Multimedia
- · Nagranie wykładu eksperta
- · Scenariusz doświadczenia













Lekcje online

65 lekcji online po polsku i angielsku dla szkół z 60 krajów



INTERACTive e-1





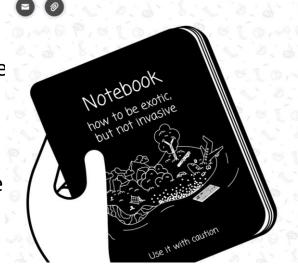
Progress made during the last year

Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

- Task 7.3

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



a desert island

()

start your journey home

https://view.genial.ly/5ff5b373c217200ce77c9fb1



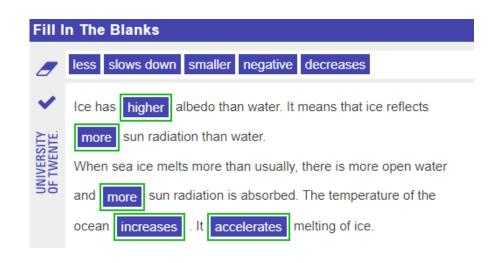


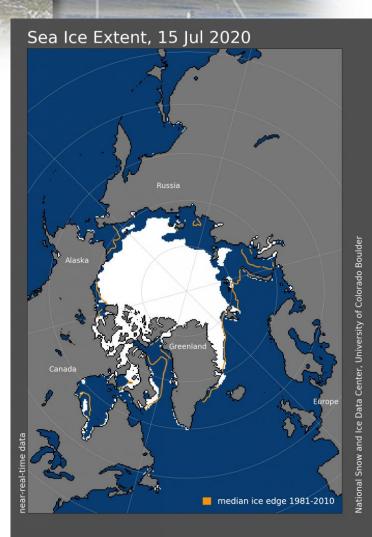


Promotion of polar issues by providing educational resources to schools (Lead: IGF-PAS)

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







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



POLAR AIR POLLUTION SOURCES







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





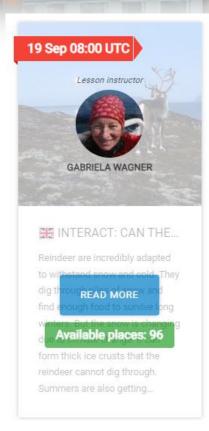




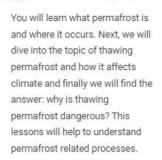


Requirements from others

 Share invitation for free online lessons with teachers from your country







INTERACT: Why is pe...



Have you always wondered how animals can live and even thrive in the extreme climates of the Arctic? If they freeze and feel miserable during winter, or if they actually feel as comfortable as we do in our own living-room? In this webinar, you will get the answers, and learn about the...

INTERACT: SURVIVI...



INTERACT: WHAT O...

About half of your body consists of microbiota, which are bacteria, protists, viruses, and fungi! They are crucial to life - even in the Arctic! In this webinar you will learn how the microorganisms affect immunity, hormones and even the behaviour of animals. We will use fish as our main stu...







- 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



