



INTAROS

WP7 - Dissemination and outreach

Donatella Zona, Ned Dwyer



The
University
Of
Sheffield.



INTAROS mid-term review meeting,
21 September 2018, Brussels, Belgium



WP 7 – Work breakdown structure

Task 7.0 Coordination of the Workpackage; Lead: USFD

Task 7.1 Plan and support dissemination activities; Lead: EurOcean

Task 7.2 Informing decision-makers in European agencies and businesses; Lead: EurOcean

Task 7.3 Informing Arctic and international bodies; Lead: EurOcean

Task 7.4 Interdisciplinary science dissemination; Lead: USFD

Task 7.5 Capacity building for early-career scientists; Lead: EurOcean

Task 7.6 Capacity building for high-school and general public; Lead: GINR

Task 7.7 Capacity building for local communities and civil society organizations; Lead: NORDECO

Underway *Not yet started*



WP 7 – Deliverables

D7.1 Project Website; Resp. Eurocean

D7.2 Printed Materials; Resp. Eurocean

D7.3 Dissemination Plan; Resp. NERSC

D7.4 Dissemination material for use towards decision makers, stakeholders, business and general public; Resp. NERSC

D7.5 Dissemination Plan V2.0; Resp. NERSC

D7.6 OceanObs 2019 Contribution Resp. EuroGOOS

D7.7 Education material V1; Resp. GINR

D7.8 Dissemination material V2; Resp. NERSC

Delivered or Underway* *Not yet started



WP 7 – Deliverables

D7.9 Educational material V2; Resp. IGPAN,

D7.10 Special issue; Resp. USFD

D7.11 Scientific capacity building; Resp. EurOcean

D7.12 Educational packages for scientists; Resp. EurOcean

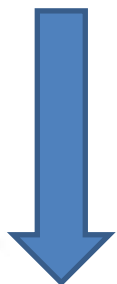
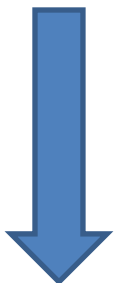
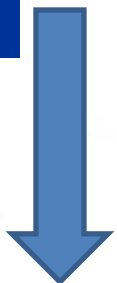
D7.13 Arctic in a class room; Resp. USFD

D7.14 Proceedings of CBO workshop ; Resp. Nordeco

D7.15 Final summary for policy makers; Resp. EurOcean

D7.16 Final project event in Brussels; Resp. NERSC

Underway* *Not yet started



2016	2017												2018											
12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
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2019												2020											
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										D7.6												D7.9	
										D7.7													

2021										
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				D7.11						
				D7.12						
				D7.13						
				D7.14						

D7.1 Project Website; Resp. Eurocean

D7.2 Printed Materials; Resp. Eurocean

D7.3 Dissemination Plan; Resp. NERSC

D7.4 Dissemination material for use towards decision makers, stakeholders, business & general public; Resp. NERSC

Timeline



Communication to Public



1,000 high quality brochures

EurOcean has a small number left



Communication to Public

INTAROS brochure triptych

Type of outreach: Brochures/material

Outreach file:  INTAROS brochure triptych



Pdf. [brochure](#) on partners area of website

[Download and print.](#)



Public Website

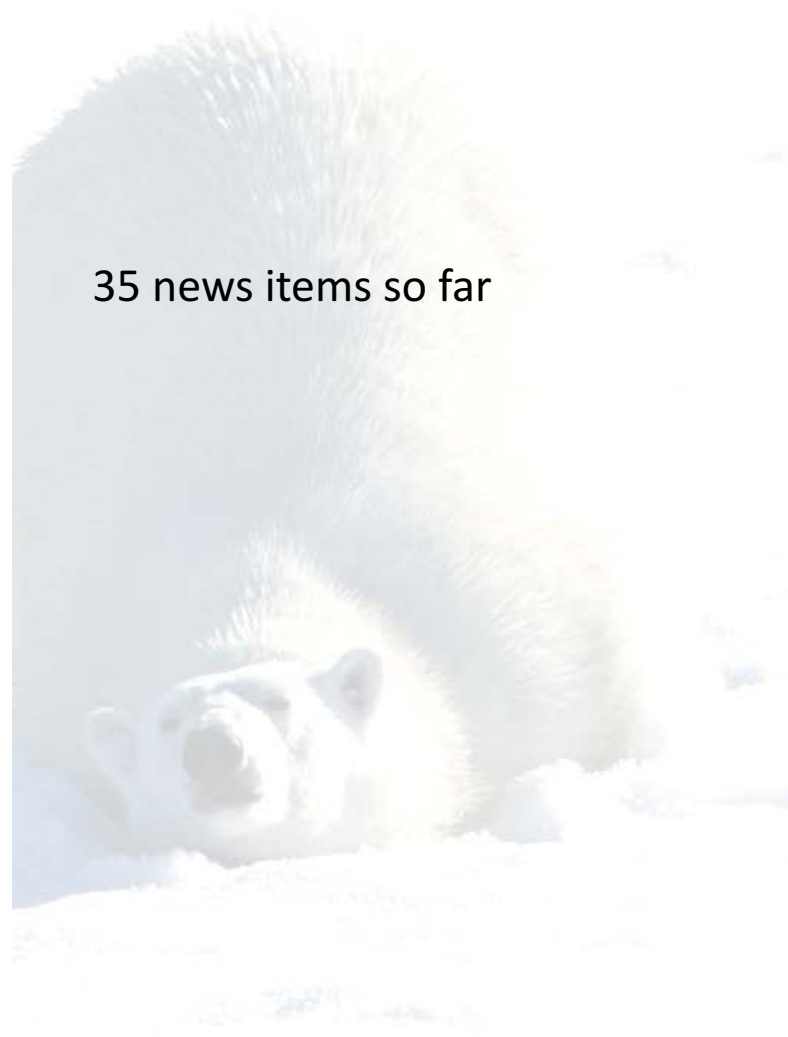
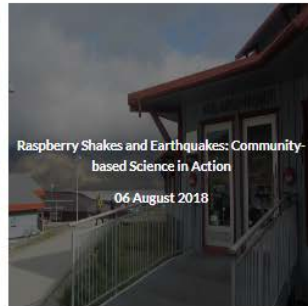


Contribute to EDU-ARCTIC webinars for students

[More Info](#)



Public Website – News Area



35 news items so far



Public Website – Stories Area

Stories



Monitoring the Arctic atmosphere, where food is delivered only once a year

17/11/2017 Martijn Pallandt, Max-Planck-Institute for Biogeochemistry

Travelling to the location of a former Gulag in northeast Siberia during the summer of 2017, Martijn describes the challenges of carrying out field work in such a remote but breathtaking environment and also explains why continuous atmospheric monitoring of the tundra environment is vital.



Former friends now seen as enemies in Svalbard

14/08/2017 Lisbeth Iversen, NERSC

In Svalbard the mountains, the former friends and protectors of the community, have become the "enemy". Lisbeth Iversen (NERSC), representing the INTAROS project and students from Amalie Skram High School in Bergen, Norway, as part of the Regimes project, tell us about the first day of their field trip meeting community members in Svalbard.



Resourcefulness and resilience in the Arctic tundra

26/04/2017, Scott Davidson, Sheffield University

Scott Davidson, from the University of Sheffield realises his childhood dream of going to the Arctic. In this piece Scott tells us of the ups and downs of doing fieldwork on vegetation methane emissions in the Alaskan Arctic tundra, where he spent four months in 2014.



INTAROS contributes to International Arctic Assembly

14/05/2017 EurOcean

Dr. scient. Finn Danielsen from NORDECO - an INTAROS partner - took part in a panel discussion focused on Knowledge Co-Production and Co-Management during the International Arctic Assembly which took place in Alaska during May 2017



Local knowledge supports decision-makers in managing living resources

25/04/2017 Michael K. Poulsen, NORDECO

The PISUNA programme is a great example of how local people's knowledge of the environment can be included in decision making

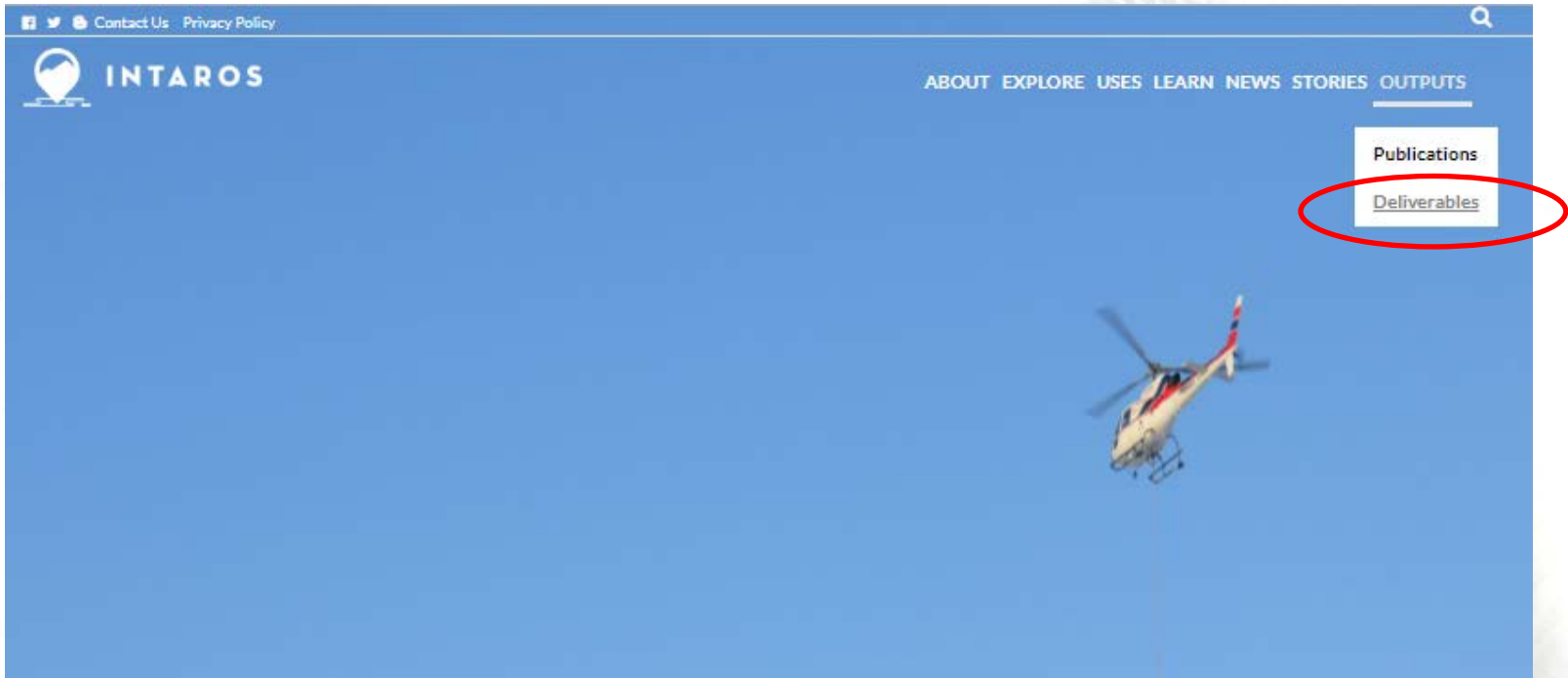
5 stories so far

1 New story coming soon





Public Website – Open Deliverables



17 available so far



Website Usage

Since July 2017



3600 unique users



Top 5 pages

- Home
- Objectives
- Members
- News
- Events



5933 sessions
(-EurOcean)

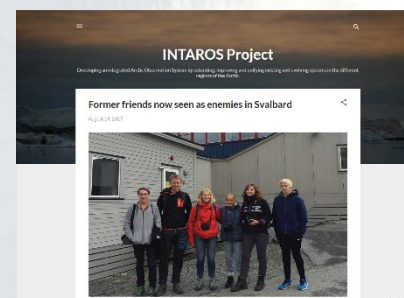


Top 5 Countries

- USA
- Germany
- Norway
- France
- Poland



Social Media



Twitter

- Tweets 83
- Following 50
- Followers 158

Facebook

- 36 Likes
- 37 Followers
- 52 Posts

ResearchGate

or

Join for free

Project

Integrated Arctic Observing System (INTAROS)

Hanne Sagen · Stein Sandven · Kjetil Lygre · [Show all 147 collaborators](#)

Goal: INTAROS is a research and innovation action under the H2020-BG-09 call in 2016 and will run from 2016 to 2021. INTAROS will develop an integrated Arctic Observation System (IAOS) by extending, improving and unifying existing systems in the different regions of the Arctic.

Updates 3 0 new

Recommendations 2 0 new

Followers 82 0 new

Reads 534 3 new

Project log
References (97)
Questions

Follow



Impacting Policy- Arctic Cluster

INTAROS is a partner in the Arctic Cluster

- Brochure



- Web page: <http://www.eu-polarnet.eu/eu-arctic-cluster/>



- Side-Event COP 23



Impacting Policy- Arctic Cluster

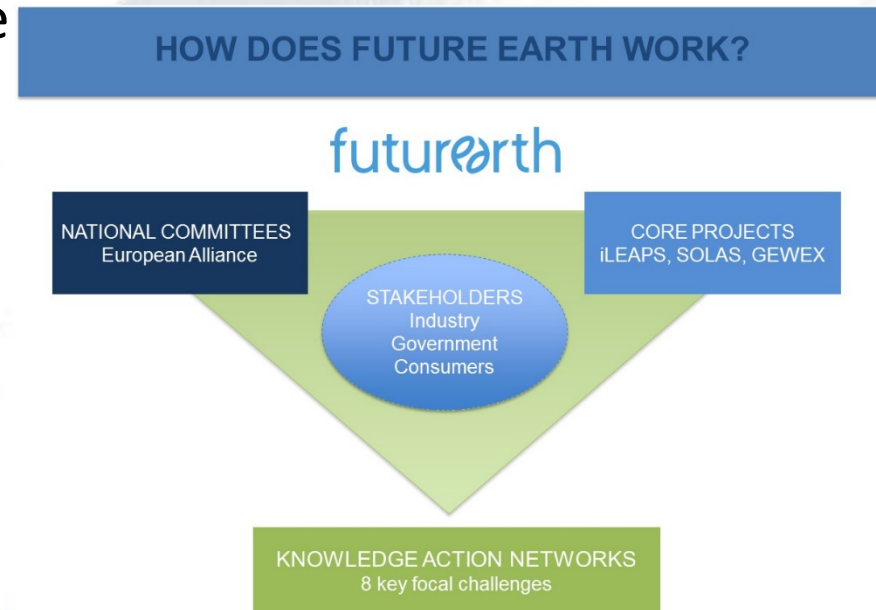
Booth – Arctic Circle 2017





Impacting Policy- Strengthening connections

- Developing strong links with Future Earth Finland, Global Carbon Project, ICOS, NEON
- Dissemination via **Future Earth** European Alliance, **PEEX** Program
- Organization of **Europe – Russia – China** workshop to support the EU strategy for better informed decision making in the Arctic (May 2017 by EuroGOOS in Brussels, June 2019, Feb 2021)





Interdisciplinary Science Dissemination



Polar2018 conference in Davos, Arctic Science Summit Week and the Arctic Observing Summit (AOS), June 2018, Davos, Switzerland.

SY-1a - Earth Observation: Solutions for data collection, compilation and dissemination



AGU Session December 2018 Washington DC, USA:

“Assessment, Enhancement and Integration of Arctic Observing Systems (32 abstracts) <https://agu.confex.com/agu/fm18/preliminaryview.cgi/Session51762>

EGU Session April 2019 Vienna, Austria:

“Evaluation, exploitation and enhancement of Arctic observing systems across disciplines”



Travel support for students



Interdisciplinary Science Dissemination

- 39 publications
 - 158 presentations
 - 1 TV show
 - 1 interview
- Accuweather

nature

NEWS & VIEWS RESEARCH

BIOGEOCHEMISTRY

Long-term effects of permafrost thaw

Carbon emissions from the Arctic tundra could increase drastically as global warming thaws permafrost. Clues now obtained about the long-term effects of such thawing on carbon dioxide emissions highlight the need for more data.

DONATELLA ZONA

Global warming is causing tundra ecosystems to undergo hydrological changes as a result of thawing of the underlying permafrost¹ — the permanently frozen soil layer that acts as a barrier to soil drainage. Thawing of permafrost can cause a reduction in soil moisture through increased soil drainage. The effect of these changes on the fluxes of greenhouse gases (carbon dioxide

found that surface warming has stimulated decomposition and CO₂ loss.

Kwon *et al.* also noted that drying of the soil increased the abundance of shrubs and *Carex* sedges, which do well in dry environments, and decreased the abundance of cottongrass (*Eriophorum angustifolium*), which flourishes in wetter soils. This ‘shrubification’ is consistent with that previously reported in Alaska⁵ and across the Arctic in general⁶. Such increases in shrub abundance might boost the

https://www.accuweather.com/en/videos/accuweather-in-alaska-the-zero-curtain/a4nncyzze6ab0ajyn0quaizipweu-d_d



Capacity Building- *early career scientists*

Contribution to the Hyytiälä summer/winter school

Autumn/Winter Schools (October / March)

PhD/MSc students- atmospheric/biospheric sciences

based on intensive work in small groups, with MATLAB as main tool for statistical analysis.

Comparison of long time series and intensive field campaign data from Hyytiälä forest site and Siikaneva peatland site.

Focus on transferable skills



Capacity Building- *early career scientists*

Svalbard Research School
Research Council of Norway

- NERSC and partners - Svalbard 2 - 7 December 2018. The research school brings together leading researchers, educators and young scientists working on natural and human-made hazards, ocean acoustics, community-based monitoring and cross-disciplinary data management in the Arctic, topics which are in the core of INTAROS. <https://intaros.nerisc.no/node/779>
- Submit an application by 1 October 2018, using the link <https://events.nerisc.no/research-school>. Successful applicants will get support for travel and accommodation costs.



Capacity Building- *Local Communities*

- International Arctic Assembly, Fairbanks, Alaska meeting 9-11 May 2017 Discussion on indigenous, local and scientific knowledge for decision-making at the May 9 2017 in Alaska (c. 600 participants).
- BARC Science Fair, Utqiagvik (Barrow) Alaska 1-3 August 2018 Presentation of science results of INTAROS (c. 300 participants)
- Public talk & Experience exchange workshop on community-based observing (55 participants, 10 community-based observing programs in N America and Greenland)
- Dialogue with Senior Arctic Observers and AC working groups on community-based observing
- Mini-workshop on plans for community-based observing activities of INTAROS in Greenland was held December 2016 in Nuuk, Greenland



Fairbanks Workshop-NORDECO

Led by Yukon River Inter-Tribal Watershed Council consisting of 73 Canadian First Nations and Alaska Native Tribes



www.intaros.eu



May 2017 - Nordeco

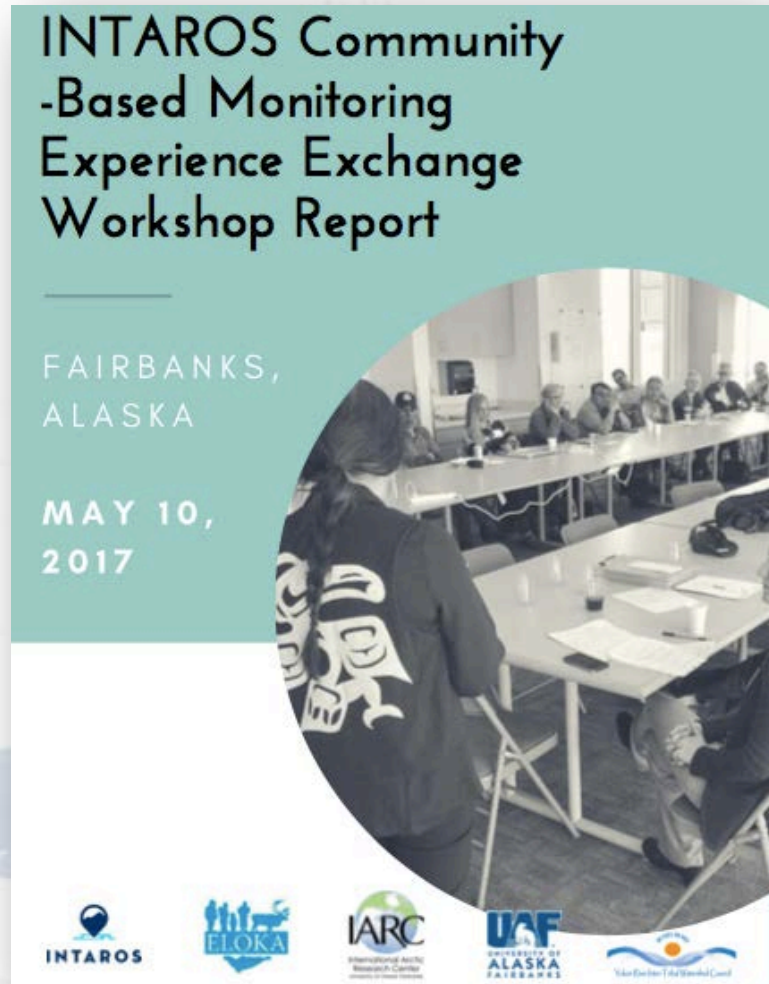


Fairbanks Workshop-NORDECO

Proceedings published

part of Deliverable 7.16
(download from Intaros website)

*Knowledge transfer
from scientists to the
local communities*



Research ideas and some results of INTAROS- BARC Science Fair in Utqiagvik (Alaska)-USFD



*Science explained
in Layman term*

August 2018



CBM workshop in communities in Yakutia, Arctic Russia-NORDECO

Led by the Russian Centre for Support of Indigenous People in the North

A strong local indigenous organization can very effectively establish and sustain CBM efforts

September 2017





INTAROS

Thanks