

Integrating Activities for Advanced Communities



D8.6 – TA Drone Workshop Report

Project No.730938– INTERACT

H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1

Start date of project: 2016/10/01

Duration: 48 months

Due date of deliverable: 2018/08/31 (M23)

Actual Submission date: 2018/08/30

Lead partner for deliverable: Umbilical Design

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

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Publishable Executive Summary

On the 30th of January 2018, INTERACT WP8 and WP5 arranged a webinar on the possibilities of using drones in Arctic research. The meeting was attended by more than 50 participants from 11 countries representing WP8 and WP5, previous and potential TA Users and stations offering TA, and other interested audience e.g. from various research institutions. The program of the webinar was based on the Svalbard workshop and included a presentation of WP8 and their results, some highlights and best practices from TA projects who have utilized drones in their research. The purpose was also to inform about the latest rules for the use of drones, discuss environmental and sustainability research under challenging conditions, as well as discuss some examples of drones used in these extreme environments, followed by user-cases highlighting practical examples and experiences on using drones for arctic research. The meeting concluded with discussion about the resources, opportunities and challenges related to the use of drone technologies in Arctic environments.

1. Introduction

Umbilical Design leads INTERACT WP8, with the task to increase awareness on the possibility of using drones for the Arctic region, and promote the use of drone technology at Arctic research stations. As a follow up on the Drone workshop which was held on Svalbard, October 24th 2017, together with research station managers, a webinar on Drones was arranged in the WebEx online meeting platform on January 30th 2018. The webinar was arranged in collaboration by INTERACT WP5 “Transnational Access” and INTERACT WP8 “Developing technology for drones”.

INTERACT Transnational Access User Community is an innovative new form of activity introduced in the current H2020 funding period of INTERACT. The idea of the TA User Community is to bring together the previous, new and potential TA Users, stations offering Transnational, Remote or Virtual Access in INTERACT and the TA administration by arranging joint events, meetings and webinars and in the form of social media.

2. Aim of the webinar

The aim of the webinar in January was to gather TA users together with station managers and the teams of INTERACT WP 5 and 8, to learn more and to discuss the potential use of drones in the TA Users research.

3. Number of participants and advertisement

Invitation to the webinar was sent by WP5 through e-mail to current TA users via e-mailing lists (app. 120 names) and to station managers (app. 50 names) and the event was also advertised at several places on the INTERACT website and as a news article <https://eu-interact.org/interact-webinar-drones/>

30 January 2018 (14:00-15:30 CET). TA User Community Webinar on Drones. *The webinar provides basic knowledge on drones and their research use in Arctic environments, including the opportunities and challenges related to the use of drone technologies. The webinar topics include: Drone facts, overview and legislation, Drones in the INTERACT framework, User cases, examples and best practices on using drones in the field work, Resources, opportunities and challenges related to the use of drone technologies in Arctic environments. Register to the webinar by 29th January by sending email to hannele.savela@oulu.fi to receive a link to the on-line webinar platform.*

The webinar gathered together over 50 participants from 11 countries, representing WP8 and WP5, previous and potential TA Users and stations offering TA, and other interested audience e.g. from various research institutions.

4. Programme and available material

The program of the webinar was based on the Svalbard workshop and included a presentation of WP8 and the results we have gained, some highlights and best practices from TA projects who have utilized drones in their research. The purpose was also to inform about the latest rules for the use of drones, discuss environmental and sustainability research under challenging conditions, as well as discuss some examples of drones used in these extreme environments, followed by user-cases highlighting practical examples and experiences on using drones for arctic research. The meeting concluded with discussion about the resources, opportunities and challenges related to the use of drone technologies in Arctic environments.

Materials from the webinar is available: [Programme \(pdf\)](#), [Webinar recording](#), [Drones in INTERACT](#), Drones overview ([Facts](#), [Sensors](#), [Legislation](#)), User cases ([User Case 1](#), [User Case 2](#), [User Case 3](#), [User Case 4](#)).

The link to the webinar recordings and the presentations is available here: <https://eu-interact.org/recording-materials-available-interact-webinar-drones/>

The detailed programme of the webinar is attached as Appendix 1 to this document.

5. Appendix 1. INTERACT TA User Community Meeting 2 on Drones Programme

INTERACT TA User Community Webinar on Drones

Tuesday, January 30, 2018 at 14:00-15:30 CET

The webinar will provide the participants with basic knowledge on drones and their research use in Arctic environments, including the opportunities and challenges related to the use of drone technologies.

Programme

14:00-14:05 Opening and Welcome ([Hannele Savela](#), [University of Oulu/INTERACT WP5](#))

14:05-14:15 Drones in the INTERACT network (Cecilia Hertz, [Umbilical Design/INTERACT WP8](#))

14:15-14:45 Drone facts, overview and legislation (Tomas Gustafsson, [ÅF Technology/INTERACT WP8](#))

14:45-15:15 User cases –examples and experiences on using drones in Arctic environments

-Sara Mollie Cohen/UNIS

-Aleksandra Tomczyk/Adam Mickiewicz University

-Daniela Attalla, Alexandra Tang and Sofia J Olsson/ÅF

15:15-15:30 Discussion –resources, opportunities and challenges related to the use of drone technologies in Arctic environments (Tomas Gustafsson & Cecilia Hertz)

Register to the webinar by 29th January by sending email to hannele.savela@oulu.fi to receive the link to the on-line webinar platform. ***If you are interested to give a short presentation (10 min) about your own experience on using drones in the webinar, please express your interest for that in the email!***

The webinar is arranged jointly by the INTERACT WP5 “Transnational Access” and WP8 “Developing technology for drones”.