

WP 7: Improving and harmonizing Biodiversity Monitoring

Kári Fannar Lárusson

CAFF Secretariat



Aim of the WP

The overall objective of Work Package 7 (WP7) is to test the Freshwater and Terrestrial component of the Arctic Council's, Circumpolar Biodiversity Monitoring Programme (CBMP – www.cbmp.is) at INTERACT stations.

WP 7 Objectives

Establish interface between CBMP and INTERACT

Inform development of Rif Field Station in Iceland based on lessons learnt at Zackenberg and CHARs

Test CBMP Freshwater and Terrestrial Monitoring Plans at Rif and develop a user manual for implementation

Identify how data from INTERACT stations can inform Arctic Council initiatives

up-dated publication on Arctic terrestrial biodiversity for the Encyclopedia of Biodiversity

Partners involved in the WP

- **CAFF**
- **Aarhus University**
- **Zackenbergl research station**
- **RIF field station**
- **CHARS (Canadian High Arctic Research Station)**



Achievements so far

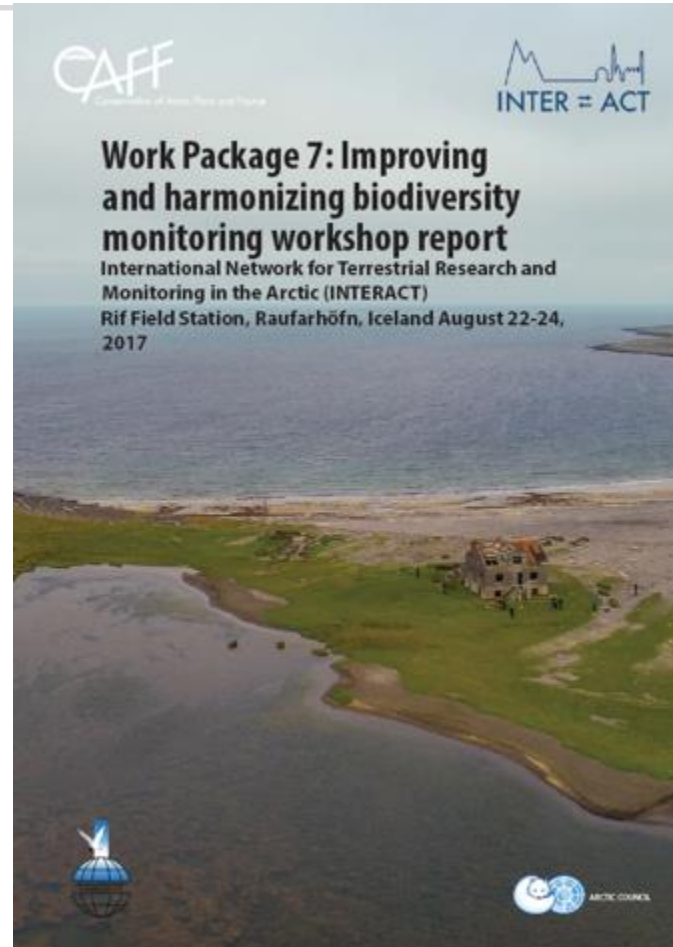
- WP7 Introduction side meeting Keflavík, Iceland.
January 2017

Structure of the project and individual roles discussed,
next steps and work timeline created

Achievements so far

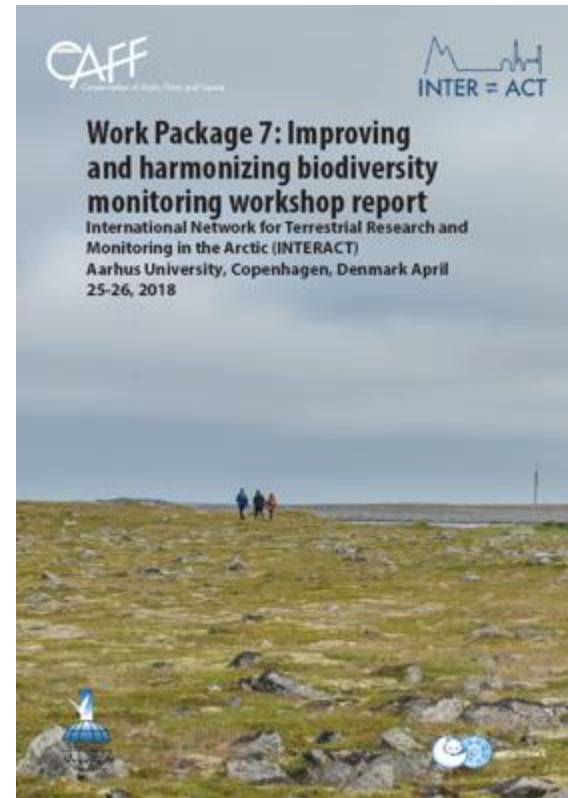
- RIF Kick off meeting August 21-24 2017, Rif Field Station Melrakkaslétta, Iceland. (Workshop report available on INTERACT webpage)
 - *Experts from the CAFF, CBMP, From Zackenberg, CHARS research stations and RIF worked to Identify Focal Ecosystem components within the freshwater and terrestrial monitoring plans relevant for the Melrakkaslétta area (Rif Field Station).*
 - *Techniques and equipment needed explored*
 - *Data management etc*
 - *Set in motion collecting background data (satelite analysis etc)*

Achievements so far



Achievements so far

- *Workshop April 25-26, 2018, Copenhagen, Denmark (Workshop Report available on INTERACT webpage)*
 - *Continue work on monitoring plan*
 - *Outline for data management plan continued*
 - *Project coordination*



Achievements so far

- Finalization of RIF monitoring plan (Available on INTERACT webpage).
 - Outlines Aims and Objectives
 - Identifies existing knowledge
 - Identifies priority FEC to be monitored
 - Implementation plan on establishment of monitoring



Commission of Arctic Flora and Fauna



Work Package 7: Improving and harmonizing biodiversity monitoring workshop report

International Network for Terrestrial Research and Monitoring in the Arctic (INTERACT)

Rif Field Station, Raufarhöfn, Iceland August 22-24, 2017



Achievements so far

- *Data Managers meeting 14-16 August, 2018.*
 - *Continue work on data management plan*
- Deliverable: A data management plan for the Icelandic RIF station in connection with ABDS for the selected focal ecosystem components. 30.09.2018
 - Close to final draft
 - Aim to sollicitate comments from Data WP prior to finalizing.
- Automatic weather station being set up at RIF today.

Achievements so far



Next steps

- Implementation of pilot studies of selected focal ecosystem components. 31.03.2019
- A user manual for implementing CBMP at INTERACT stations. 31.01.2020
- An up-dated publication on Arctic terrestrial biodiversity for the Encyclopedia of Biodiversity. 31.03.2020
- A report describing the flow of data from the field to Arctic Council assessments, monitoring and reporting activities. 31.03.2020

Next steps

- Find date for next annual meeting in RIF
- Finalize data management plan
- Extract from what has been done to continue with the following actions/publications;
 - Pilot study of selected Focal Ecosystem Components in all three stations
 - A user manual for implementing CBMP at INTERACT stations.
 - A report describing the flow of data from the field to Arctic Council assessments, monitoring and reporting activities.

Added value

- More extensive background data gathered for RFS, including satellite comparison between the three reference stations RFS, Zackenbergh and CHARs.
- *Valuable insights obtained that will be valuable to CAFF's Arctic Biodiversity Data Service.*
- *For some of the project partners this is the first time working within the EU system which is a valuable lesson*
- *Being part of INTERACT has had a considerable effect within the Icelandic monitoring community, helping to gather support for the station*

Deviations from workplan

Data management plan will most certainly be 3-4 weeks delayed and not released until the beginning of November

Expected impacts

- *3 reference stations will be able to report on selected focal ecosystem components with relative ease. Information which can then be used in CBMP assessments.*
- *Streamlining the process of implementing the CBMP monitoring plans at research stations considerably increases likelihood of such tasks being undertaken in more research stations.*
- *Rif research station better positioned to accept researchers, facilitate national monitoring bodies, providing valuable information.*

Expected impacts

- *The user manual for implementing CBMP freshwater and terrestrial monitoring plans at INTERACT stations will likely benefit not only INTERACT stations but also contribute to informing CBMP monitoring plan updates contributing to them being more robust and user friendly in future iterations.*

Thanks for your attention

TRACKING BIODIVERSITY



Reindeer on Svalbard. Photo by Margareta Johansson

Improving and harmonizing biodiversity monitoring

The overall objective of Work Package 7 (WP7) is to test the Freshwater and Terrestrial component of the Arctic Council's Circumpolar Biodiversity Monitoring Programme (CBMP – www.cbmp.is) at INTERACT stations.

The specific aims of the work package are to:

- establish an efficient working interface between CBMP and INTERACT
- test the Arctic Freshwater and Terrestrial Biodiversity Monitoring Plans at three locations in the field in accordance with relevant CBMP protocols.
- identify ways in which data generated at INTERACT stations can feed into Arctic Council assessments
- provide an up-to-date publication on Arctic Biodiversity for the Encyclopaedia of Biodiversity, second edition, Volume 1, published by Academic Press

> RESOURCES



WP7_IMPROVING AND HARMONIZING BIODIVERSITY MONITORING RIF
WORKSHOP REPORT
application/pdf

<https://eu-interact.org/tracking-biodiversity/>