

# **EBM10: Long-term Ecosystem Monitoring to Feed Arctic and International Biodiversity Assessments**

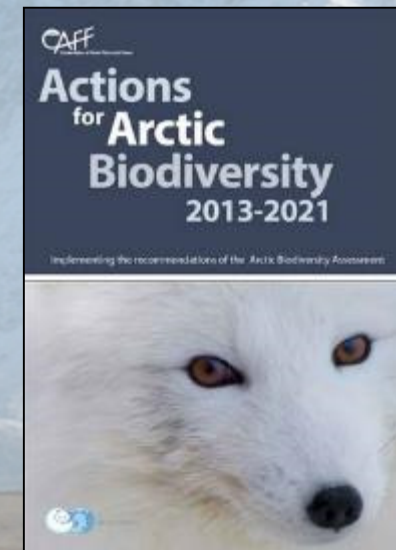


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CBMP Co-leads**

- Conservation of Arctic Flora and Fauna (CAFF) biodiversity Working Group of the Arctic Council
- Mandate:
  - to address the conservation of Arctic biodiversity, and to communicate its findings to the governments and residents of the Arctic, helping to promote practices which ensure the sustainability of the Arctic's living resources
- Monitoring, assessment, data management, communication

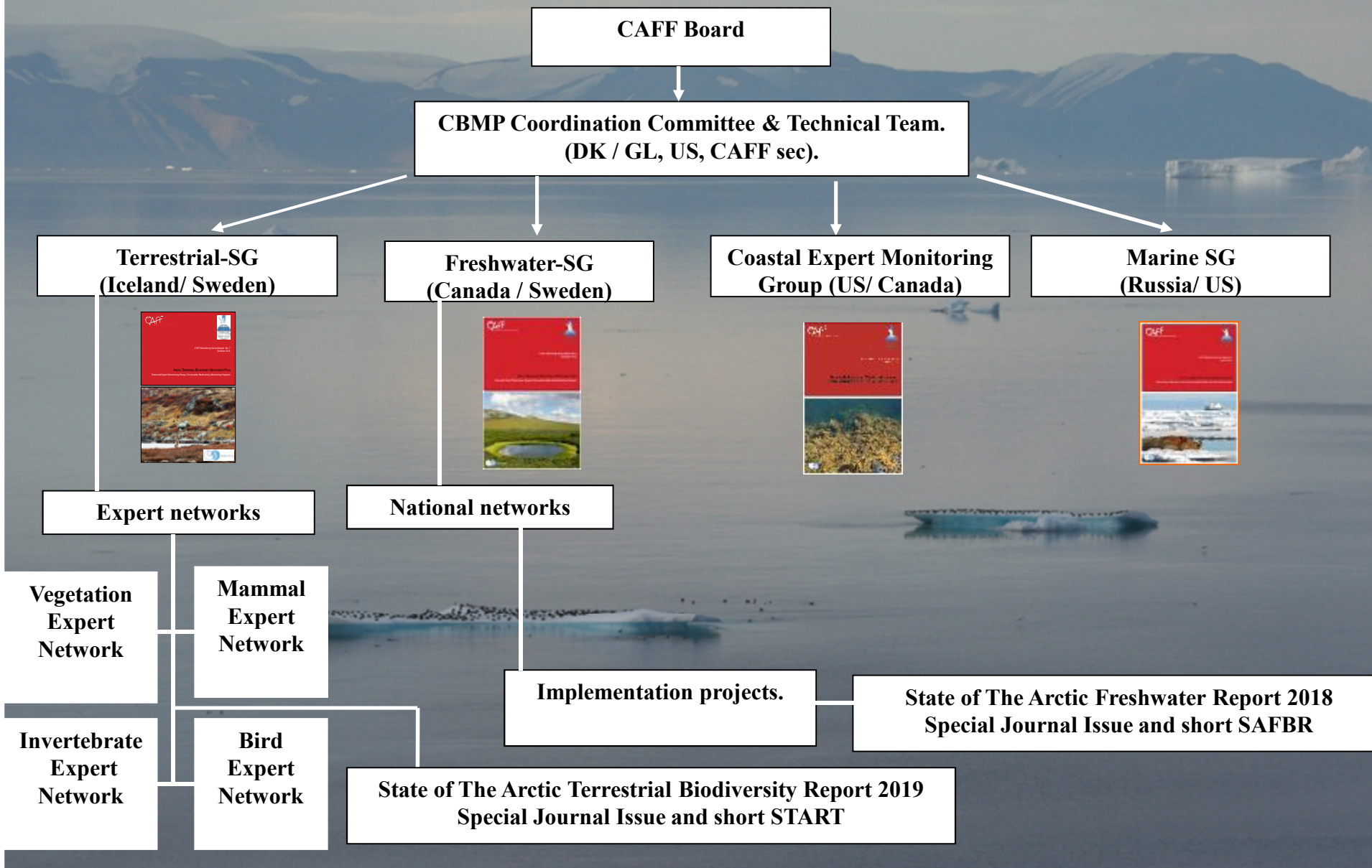


- CAFF's /Arctic Councils biodiversity monitoring program
- Started as response to Arctic Council recommendations on biodiversity and ecosystem monitoring (ACIA).
- Now also a tool for CAFF to implement ABA Action Plan.
- Focal point for current and credible Arctic biodiversity information

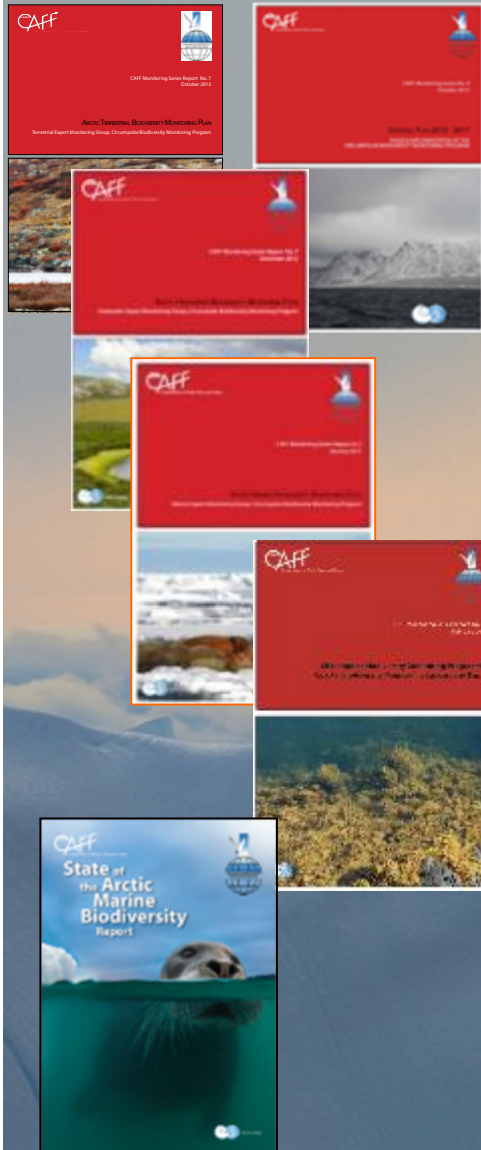




# Structure and work CBMP







- International network of networks improving detection, understanding, reporting on Arctic biodiversity trends.
- Three CBMP Adaptive and Ecosystem Based Monitoring Plans and four Steering Groups;
  - 1. Marine*
  - 2. Freshwater*
  - 3. Terrestrial*
  - 4. Coastal Plan* on its
- Four year Strategic Plan (2018-2021 plan approved)
- State of The Arctic Biodiversity Reports are major outputs from CBMP.

- **Objective 2.4** Facilitate and test implementation of CBMP Arctic Biodiversity Plans in the field
  - INTERACT wp7 to test how the Freshwater and Terrestrial Plans can be used to develop site specific monitoring at Arctic field stations
- **Objective 2.5** Develop User Manuals for Implementing CBMP in the field
- **Objective 2.6** Increase access to Arctic Biodiversity data (ABDS)

- Tells us what data from existing monitoring programs and other data are able to say about changes occurring in Arctic biodiversity and ecosystems and knowledge gaps
- Provides key trends and advice for monitoring, directed towards policy and decision makers
- Process; lessons learned

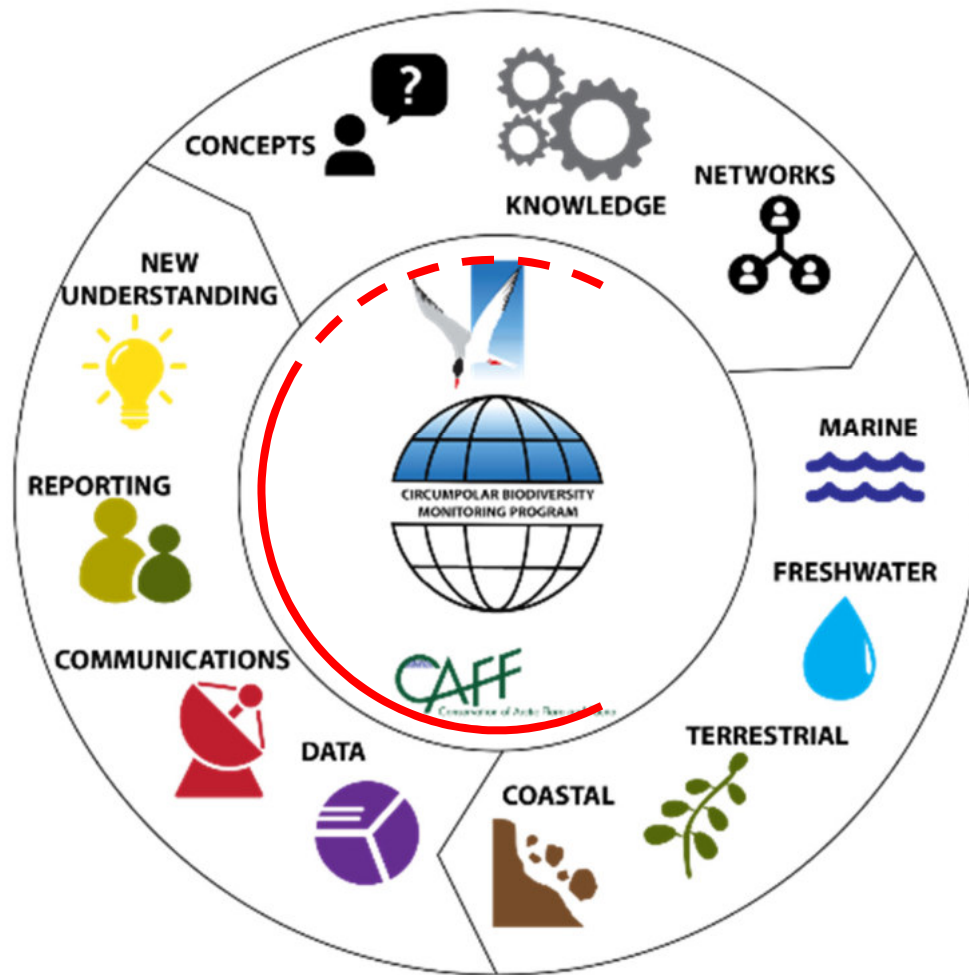




# CBMP – Implementation Status



## CIRCUMPOLAR BIODIVERSITY MONITORING PROGRAM





## CIRCUMPOLAR BIODIVERSITY MONITORING PROGRAM

19 actions in ABA tracking tool regard CBMP, including:

- Continue implementation of CBMP (All Rec's)
- Review, evaluate, and update the CBMP strategies and its monitoring plans, incl. sampling methods, data management, and reporting (All Recs')
- Report on changes in Arctic species, ecosystems, and the effects of stressors through SABR's (Rec 13)
- Consider impacts of stressors and drivers within the scheduled reviews of the CBMP monitoring plans (Rec 16).
- Next CAFF Biodiversity Congress in 2018: CBMP as an important contributor (All Rec's)



- Establish interface between CBMP and INTERACT
- Test CBMP Freshwater and Terrestrial Biodiversity Monitoring Plans at 3 locations in accordance with CBMP protocols
- Identify how data from INTERACT stations can inform Arctic Council assessments





A strategic plan and three CBMP Integrated, Adaptive and Ecosystem Based Monitoring Plans developed and published;

1. *Marine*
2. *Freshwater*
3. *Terrestrial*
4. *Coastal Plan under development*

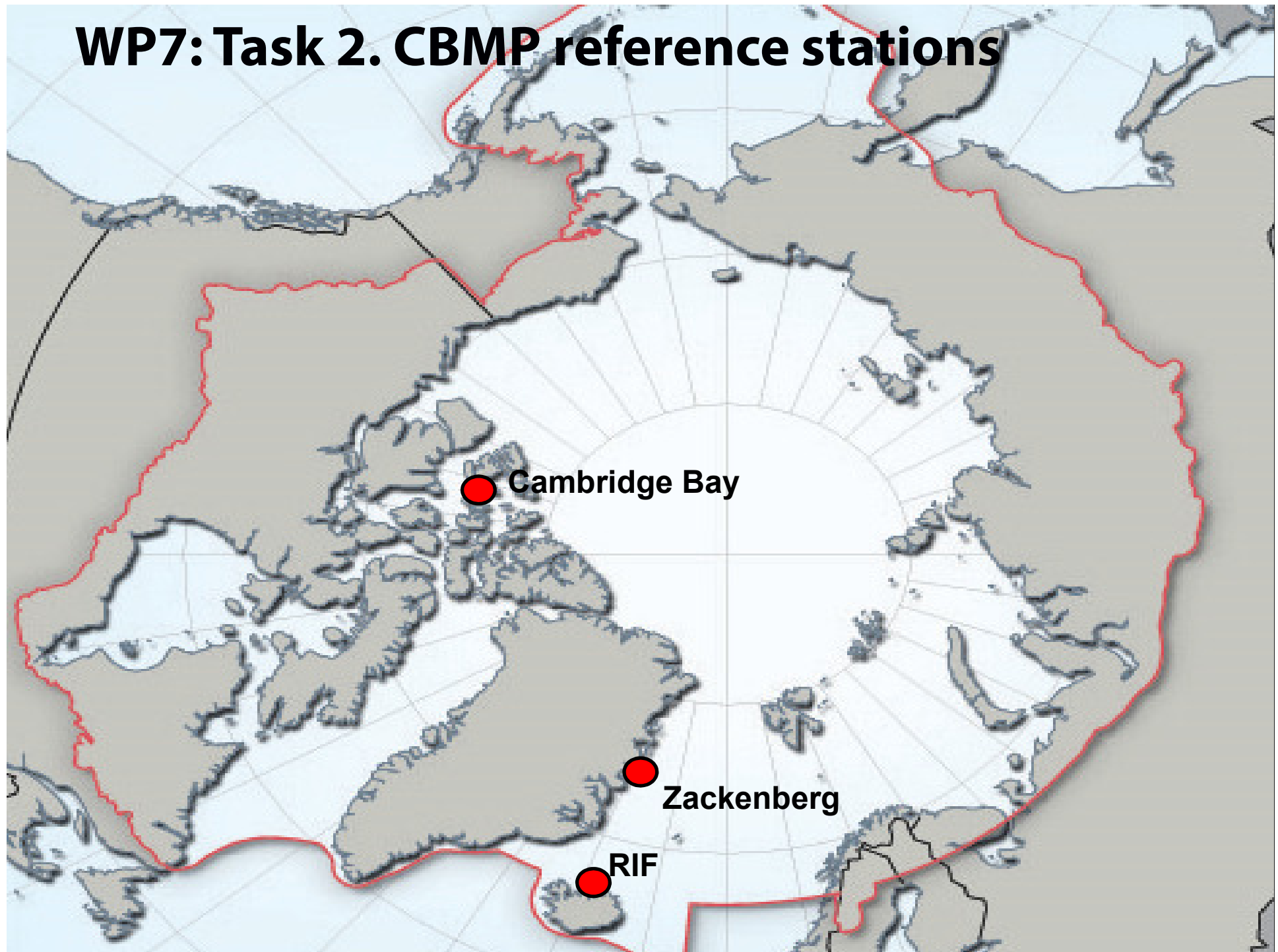
***Focus on existing monitoring capacity, existing data***



- **Establish advisory group**
  - 3 Station Managers/ scientific leaders
  - CBMP leads from terrestrial and freshwater group,
  - Relevant country CBMP SG members
  - CAFF secretariat
  - CBMP Co-Chair
  - Annual meeting + teleconferences
- Guide and advise 3 INTERACT field stations in implementation of CBMP Monitoring Plan
- First meeting at RIF August 22-24



## WP7: Task 2. CBMP reference stations





## Develop 3 CBMP reference stations

Situated In different environmental and climatic settings

- Test the Freshwater & Terrestrial Monitoring Plans in the field in accordance with relevant CBMP protocols
- Identify existing biotic and abiotic monitoring at the three stations
- Identify monitoring gaps in relation to the CBMP monitoring programm

- Conduct field trials on selected focal ecosystem components in the monitoring programs at these three stations (Some funding for infrastructure to RIF)
- Develop a data management plan for the RIF station in connection with ABDS for the selected focal ecosystem components
- Develop a user manual for implementing CBMP at INTERACT stations



CIRCUMPOLAR BIODIVERSITY MONITORING PROGRAM



- A data management plan for the RIF station in connection with ABDS for the selected focal ecosystem components (month 24).
- A user manual for implementing CBMP at INTERACT stations (month 40).
- A report describing the flow of data from the field to Arctic Council assessments, monitoring and reporting activities (month 42).



## CIRCUMPOLAR BIODIVERSITY MONITORING PROGRAM

- Identify existing biotic and abiotic monitoring at the three stations
- Review of the (draft) monitoring plans for each of the three stations
- Assist and guide RIF to decide which FEC (attribute and parameters) to monitor
- Identify FEC's to be addressed at each of the three stations
- Decide approach to be taken with regards to data management
- Assignment of tasks
- Timeline
- Next workshop







For more information please visit:

[www.caff.is](http://www.caff.is) or [www.ABDS.is](http://www.ABDS.is)

**Thank you**