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## BACKGROUND

The **Svalbard Integrated Arctic Earth Observing System (SIOS)** is an international observing system for long-term sustained measurements in and around the Norwegian archipelago of Svalbard. SIOS research infrastructures (RIs) are distributed across and around Svalbard for collecting long-term in-situ observations.


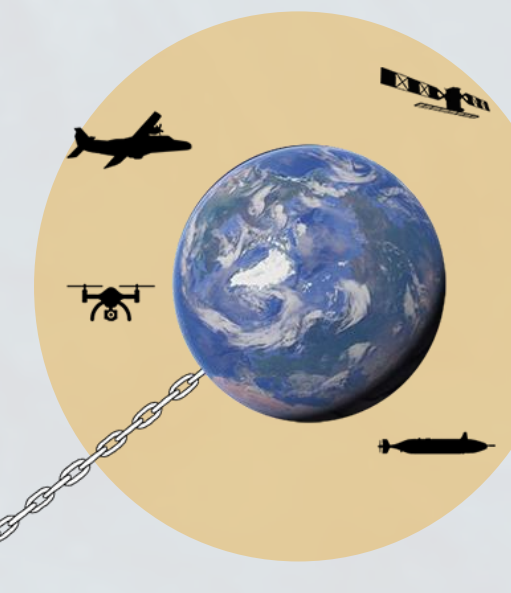

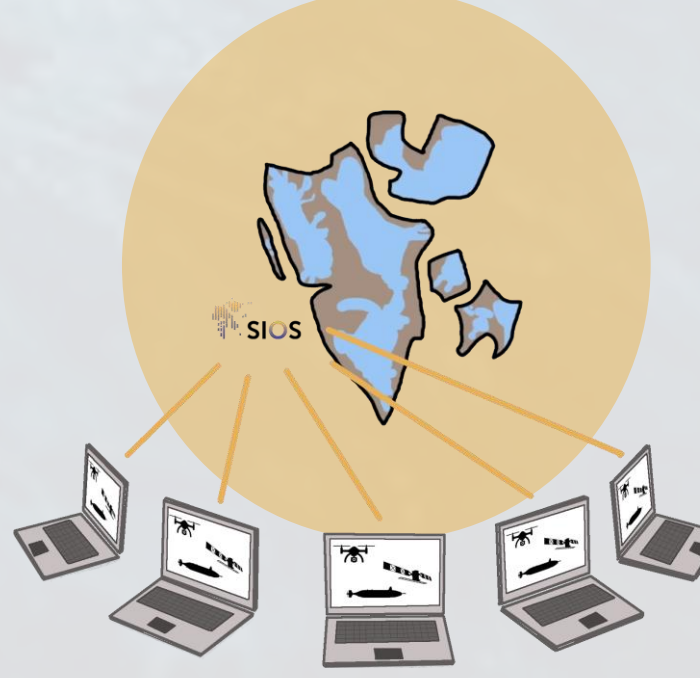
## IN-SITU OBSERVATIONS

In situ observations are a key element not only for ground-based studies but also for calibration/validation (Cal/Val) of current and future satellite missions. Integration of in-situ and satellite-based measurements is critical for developing a consistent network of observations and to fill observational gaps.

## UPCOMING ACTIVITIES

- 1) Unified platform for satellite data availability for Svalbard 
- 2) EO and RS researcher's forum to facilitate dialogue and collaboration between field scientists and remote sensing experts 
- 3) Citizen science project model for supporting satellite Cal/Val activities 
- 4) 'Satellite image of the week campaign' on social media for outreach. 
- 5) RSWG surveys on user requirements, product inventory and citizen science project 
- 6) AI training course in Svalbard 5<sup>th</sup> -9<sup>th</sup> September 2022 in Longyearbyen. 

## ON-GOING ACTIVITIES

- 1) Capacity building e.g., webinar series, online conference, and training courses on EO and RS studies in Svalbard 
- 2) Infrastructure development that can attract Cal/Val activities in Svalbard 
- 3) Airborne remote sensing campaigns 
- 4) Remote sensing service tools for field scientists 

DEADLINE:  
15<sup>th</sup> MAY



AI COURSE

DEADLINE:  
15<sup>th</sup> APRIL



User requirement survey