

# Towards increasing ground observations – the activities and potential of INTERACT Non-Profit Association (INPA)

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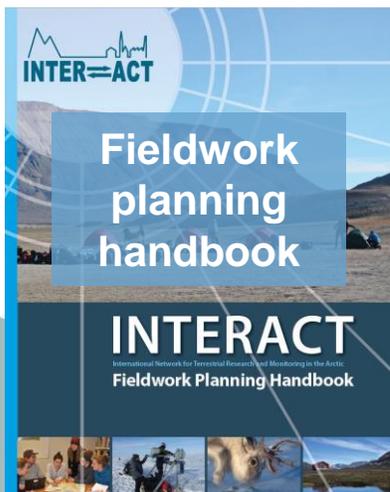
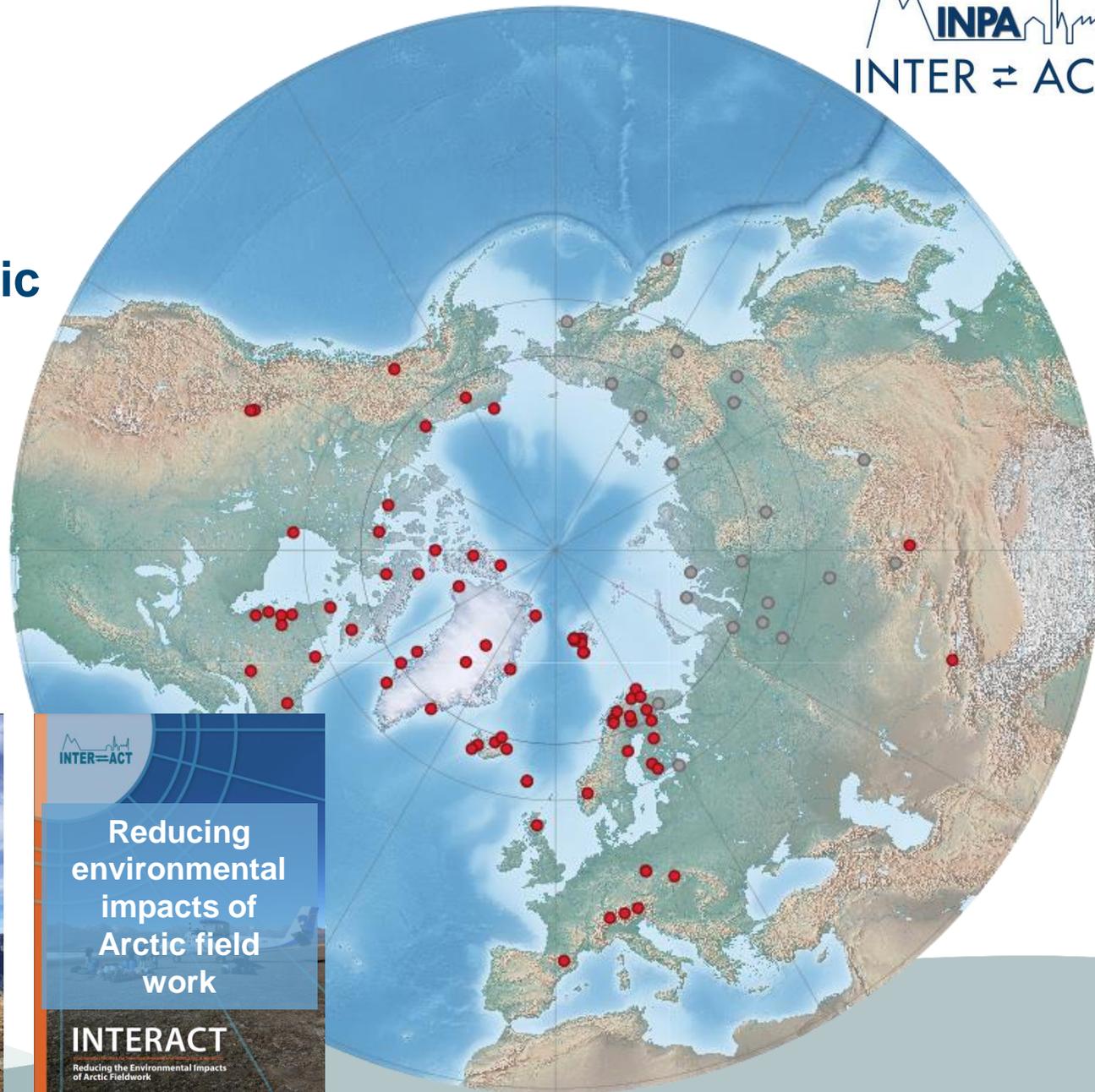
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# INTERACT

## International Network for Terrestrial Research and Monitoring in the Arctic

- EU funding since 2011
- 74 terrestrial, alpine and boreal stations (21 Russian stations on pause)
- Improve station management

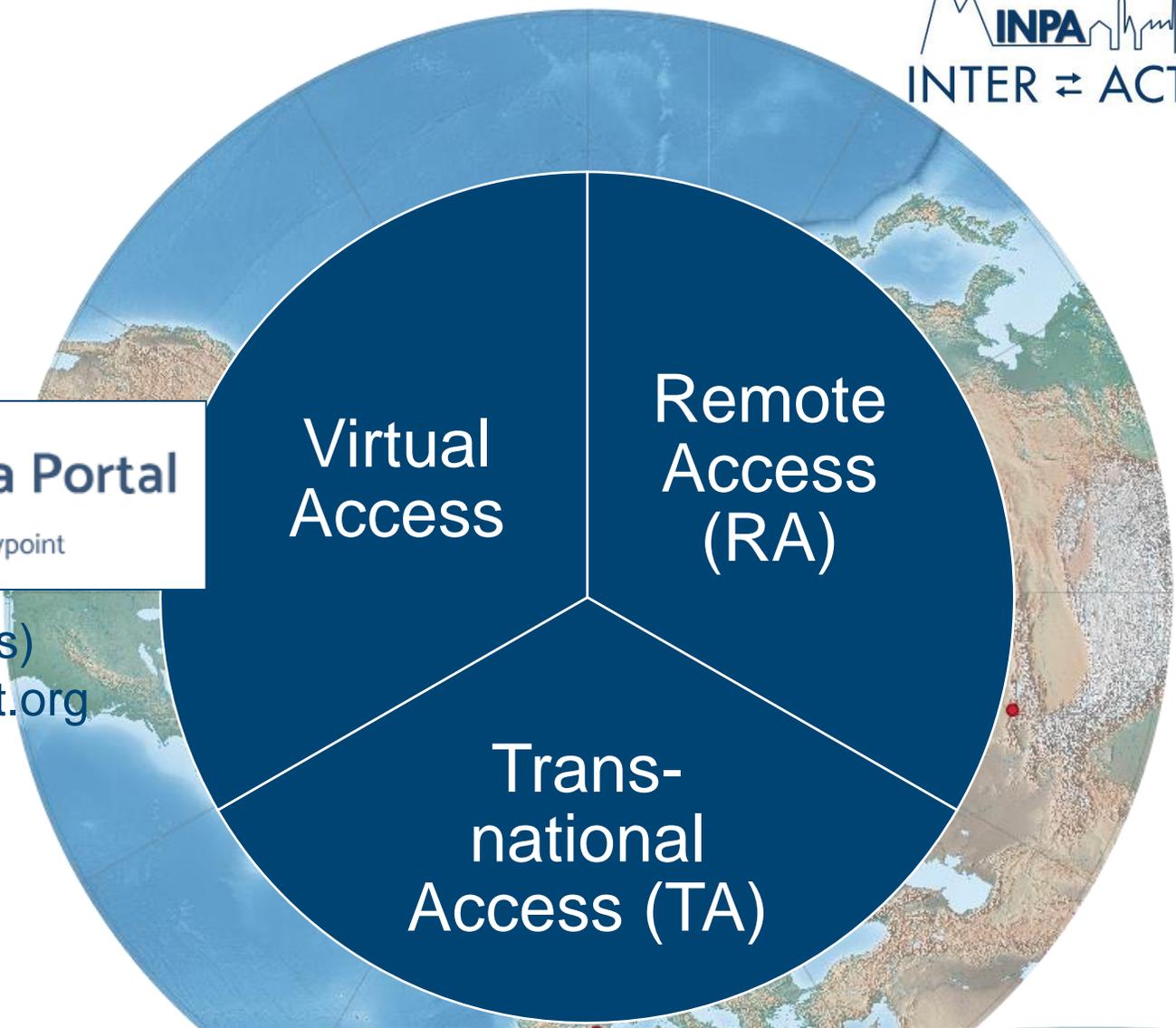


# INTERACT



**Interact Data Portal**  
INTER  $\neq$  ACT Virtual Access Single Entrypoint

1.8k datasets (open access)  
[www.dataportal.eu-interact.org](http://www.dataportal.eu-interact.org)



**Next TA/RA Call through  
INPA: November 2024**

# INPA Story and Mission

Since 2011

EU funding for INTERACT

2020

Establishment of INPA

2021

Assignment of EU Participant Identification Number & signing of first EU project

2024

INPA collaborates in 4 EU projects  
First INPA Transnational / Remote Access call  
End of INTERACT funding

2025

INTERACT stations will become INPA members or observers

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## To support:

- Operation and access of stations
- Research and scientific development
- Increasing Awareness with public, politicians and decision makers

# Involvement in EU projects



eRImote

2022-2024



ARCTIC  
PASSION

2022-2025



AQUARIUS

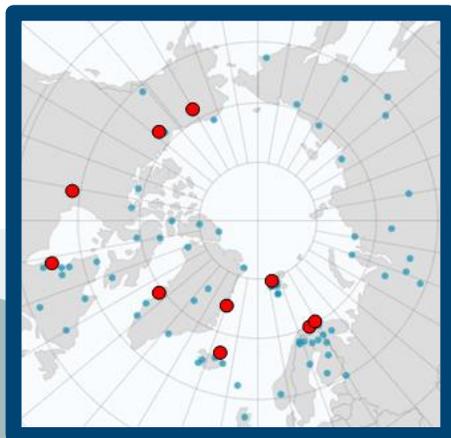
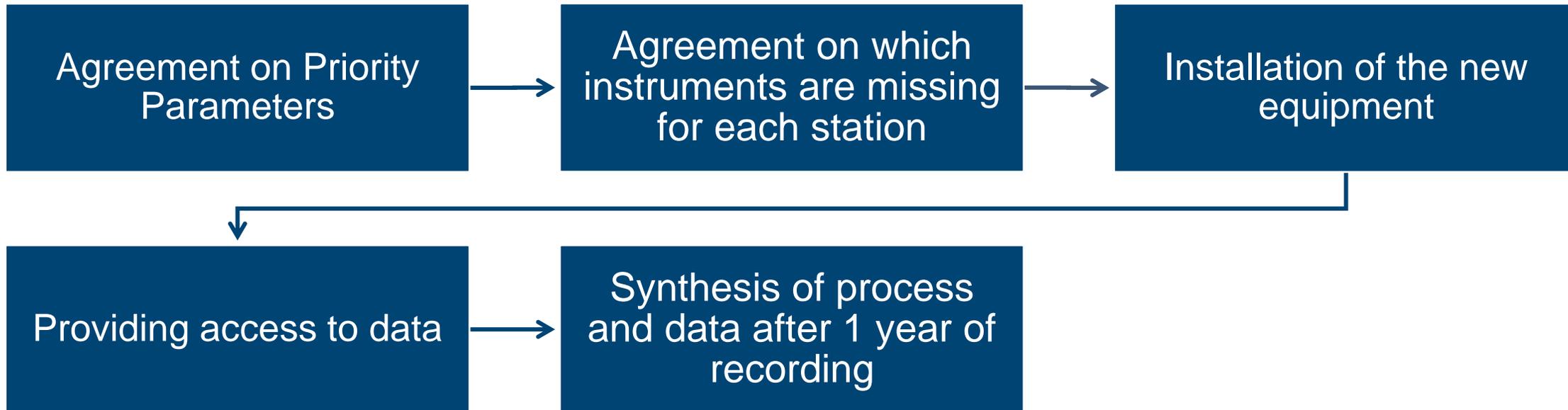
2024-2027



POLARIN  
POLAR  
RESEARCH  
INFRASTRUCTURE  
NETWORK

2024-2029

# Improving Ground Observations



		Western Arctic Research Centre (WARC)	CEN Whaupmagontuk-Kaujuraqik Station	Toolik Field Station	Arctic Station	Zackenberg Research Station	Kevo Subarctic Research Station	CNR Arctic Station "Diligible Italia"	RIF Field Station	Niilo Swanlow research station	Churchill Northern Studies Centre (CNSC)
Climate	Meteorology	Air temperature	YES	YES	YES	YES	YES	YES	YES	YES	NO
	Meteorology	Air humidity	YES	YES	YES	YES	YES	YES	YES	YES	NO
	Meteorology	Air pressure	YES	YES	YES	YES	YES	YES	YES	YES	NO
	Meteorology	Wind velocity	YES	YES	YES	YES	YES	YES	YES	YES	NO
	Meteorology	Wind direction	YES	YES	YES	YES	YES	YES	YES	YES	NO
	Meteorology	Precipitation	YES	YES	YES	YES	YES	NO	YES	YES	NO
	Energy balance and radiation	Short Wave incoming	NO	YES	YES	YES	NO	YES	NO	YES	NO
	Energy balance and radiation	Short wave outgoing	NO	YES	YES	YES	NO	YES	NO	NO	NO
	Energy balance and radiation	Long wave incoming	NO	NO	YES	YES	NO	YES	NO	NO	NO
	Energy balance and radiation	Long wave outgoing	NO	NO	YES	YES	NO	YES	NO	NO	NO
Cryosphere	Sub surface characteristics	Permafrost temperature	YES	YES	YES	YES	YES	YES	NO	NO	NO
	Sub surface characteristics	Soil temperature	YES	YES	YES	YES	YES	YES	NO	NO	NO
	Sub surface characteristics	Active layer depth	YES	YES	NO	NO	YES	YES	NO	NO	NO
	Sub surface characteristics	Permafrost temperature	YES	YES	NO	NO	YES	YES	NO	NO	NO
	Snow characteristics	Snow depth	YES	YES	YES	YES	YES	YES	NO	NO	NO
	Snow characteristics	Snow density	NO	YES	YES	YES	NO	NO	NO	NO	NO
	Snow characteristics	Snow temperature	NO	YES	NO	YES	NO	YES	NO	NO	NO
	Snow characteristics	Snow temperature	NO	YES	NO	YES	NO	YES	NO	NO	NO
	Snow characteristics	Snow temperature	NO	YES	NO	YES	NO	YES	NO	NO	NO
	Snow characteristics	Snow temperature	NO	YES	NO	YES	NO	YES	NO	NO	NO



# Improving Ground Observations



**Toolik Field Station  
(USA)**



**Rif Field station  
(Iceland)**



**Kevo Subarctic  
Research Station  
(Finland)**



**Zackenberg Field  
Station (Greenland)**

# Thank you very much

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*New project ideas?*

*Fundraising opportunities?*

*Let's interact!*