

Pan-Eurasian Experiment

PEEX

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Secretary General Dr. Hanna K. Lappalainen

PEEX Headquarters
Helsinki, INAR at University of Helsinki



PEEX Regional Offices
Moscow, AEROCOSMOS and
Moscow State University
Beijing, Institute of Digital Earth
and Remote Sensing-RADI
Nanjing, University of Nanjing



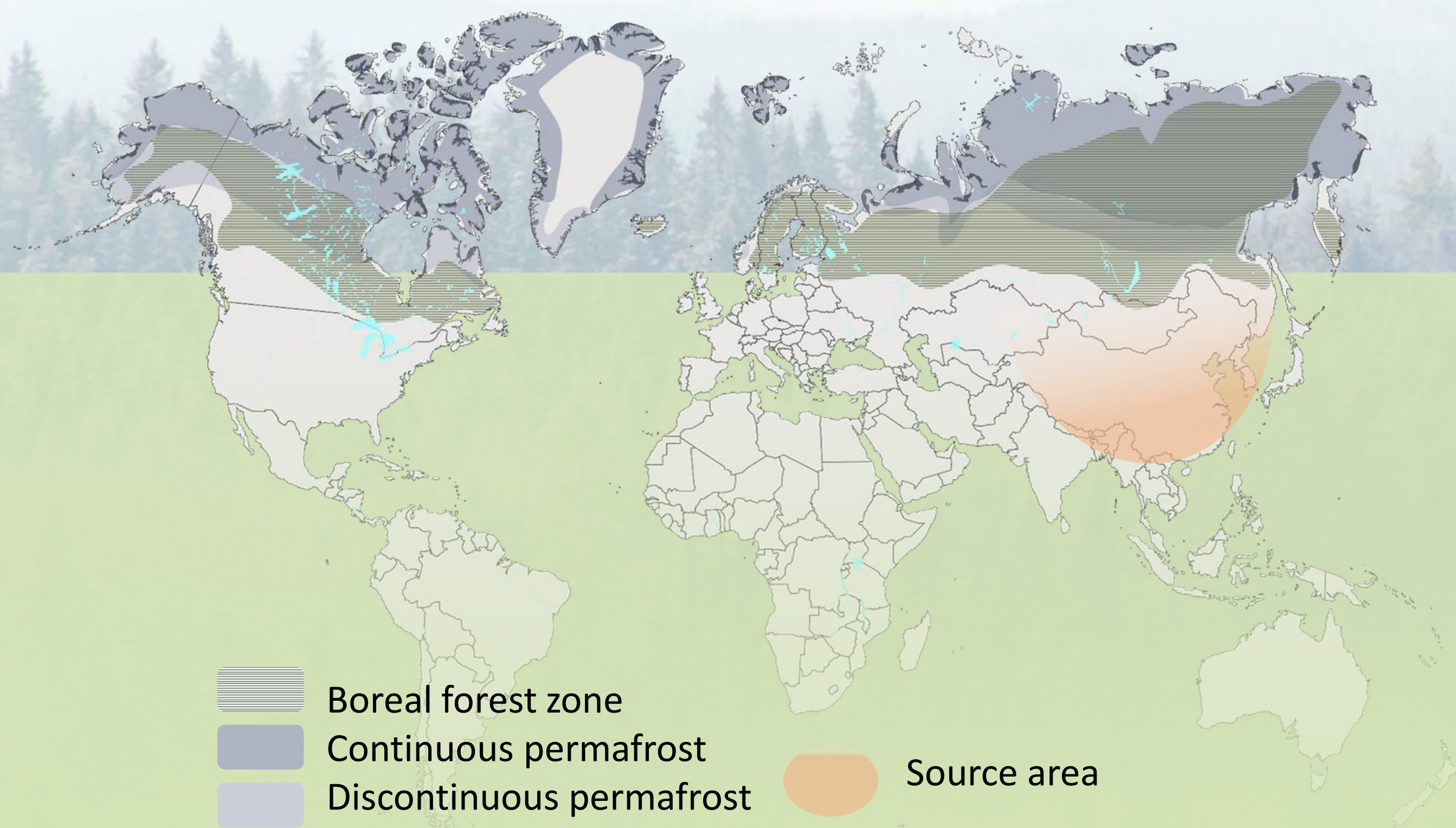
OVERVIEW

BOTTOM-UP INITIATIVE ON THE ROLE OF ARCTIC AND BOREAL REGIONS IN THE CONTEXT OF GLOBAL CHANGE

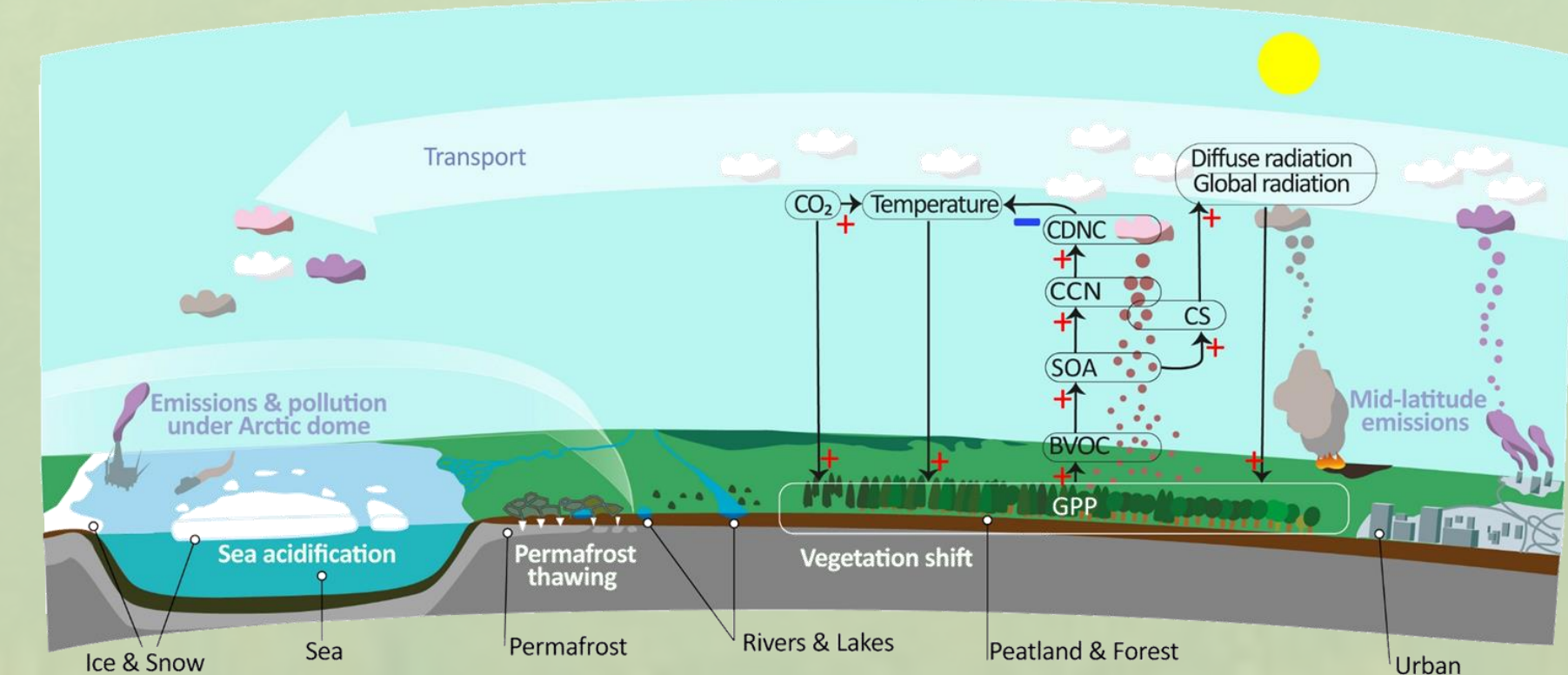
PEEX is a multidisciplinary climate change, air quality, environment and research infrastructure program focused on the Northern Eurasian particularly arctic and boreal regions.

Research community from 20 different countries, network of 4000 researchers.

42 research institutions from Russia and China had signed a Collaboration Agreement since 2012



RESEARCH DOMAIN



Over the Eurasian region, from Arctic to Boreal and Temperate zones. Key processes that drive the research focuses and the variety of site types under study. As an example, the COBACC loop is superposed on the elements of the landscape, evidencing the width of the scale coverage required for its observation.

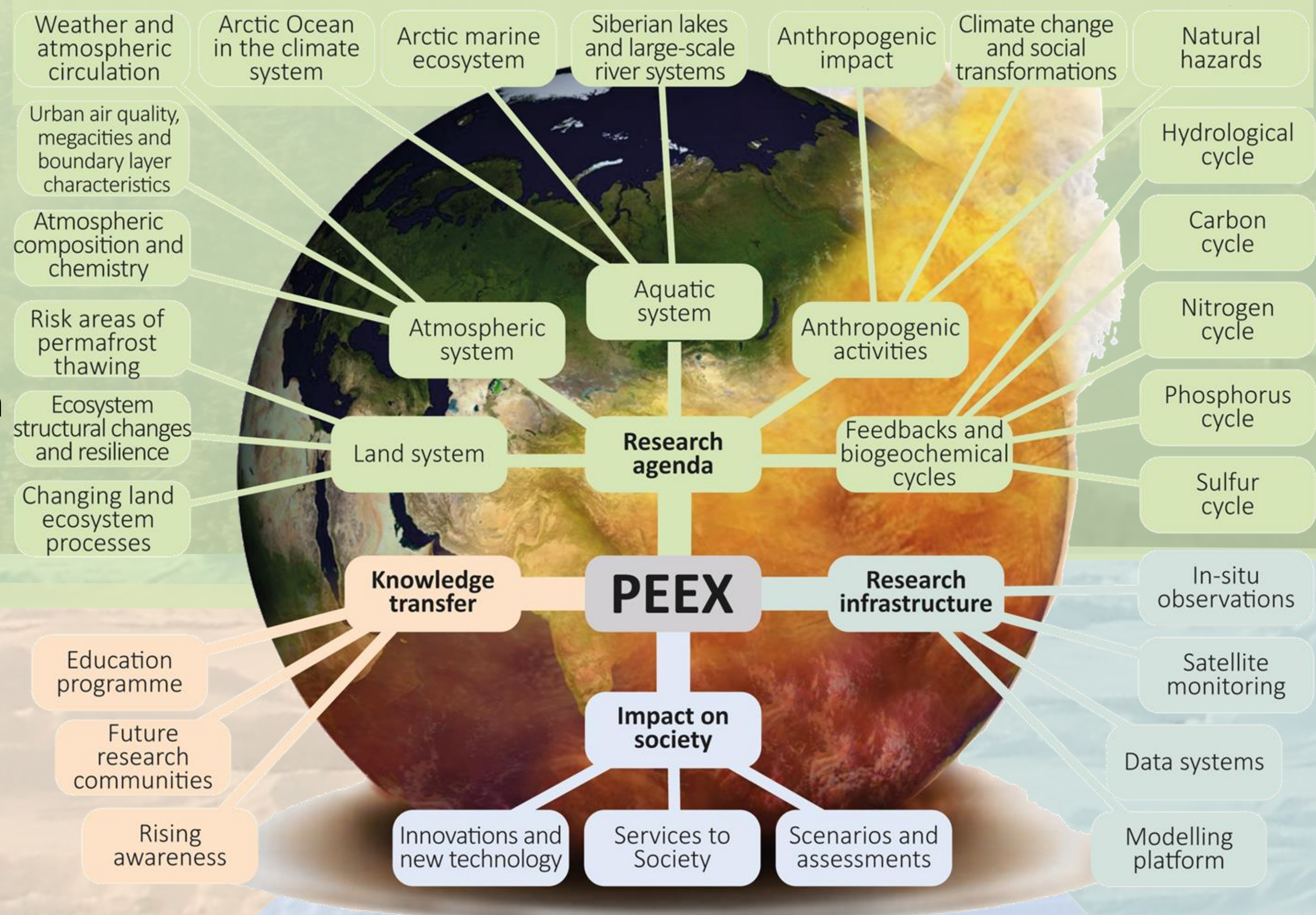
PEEX KNOWLEDGE TRANSFER TO EDUCATE THE NEXT GENERATION OF SCIENTISTS

OFFER CAPACITY BUILDING FOR EXPERTS AT INTERNATIONAL COURSES

HORIZONTAL LEARNING



- ### STEERING COMMITTEE
- Prof. Markku Kulmala, Univ.Helsinki, FI
 - Prof. Sergej Zilitinkevich, FMI, FI
 - Director Yrjö Viisanen, FMI, FI
 - Prof. Vladimir Kotlyakov, Inst. of Geography, RU
 - Prof. Nikolay Kasimov, Moscow State University, RU
 - Prof. Valeriy Bondur, AEROCOSMOS, RU
 - Prof. Gennady Matvienko, Inst. of Atmospheric Optics SB, RAS, RU
 - Prof. Alexander Baklanov, WMO, CH
 - Prof. Huadong Guo, RADI, CAS, Beijing, CN
 - Prof. Li Chongyin, Inst. Atmospheric physics, CAS, Beijing, CN
 - Prof. Hans-Christen Hansson, iLEAPS, SE
 - Prof. Pavel Kabat, IIASA, NL

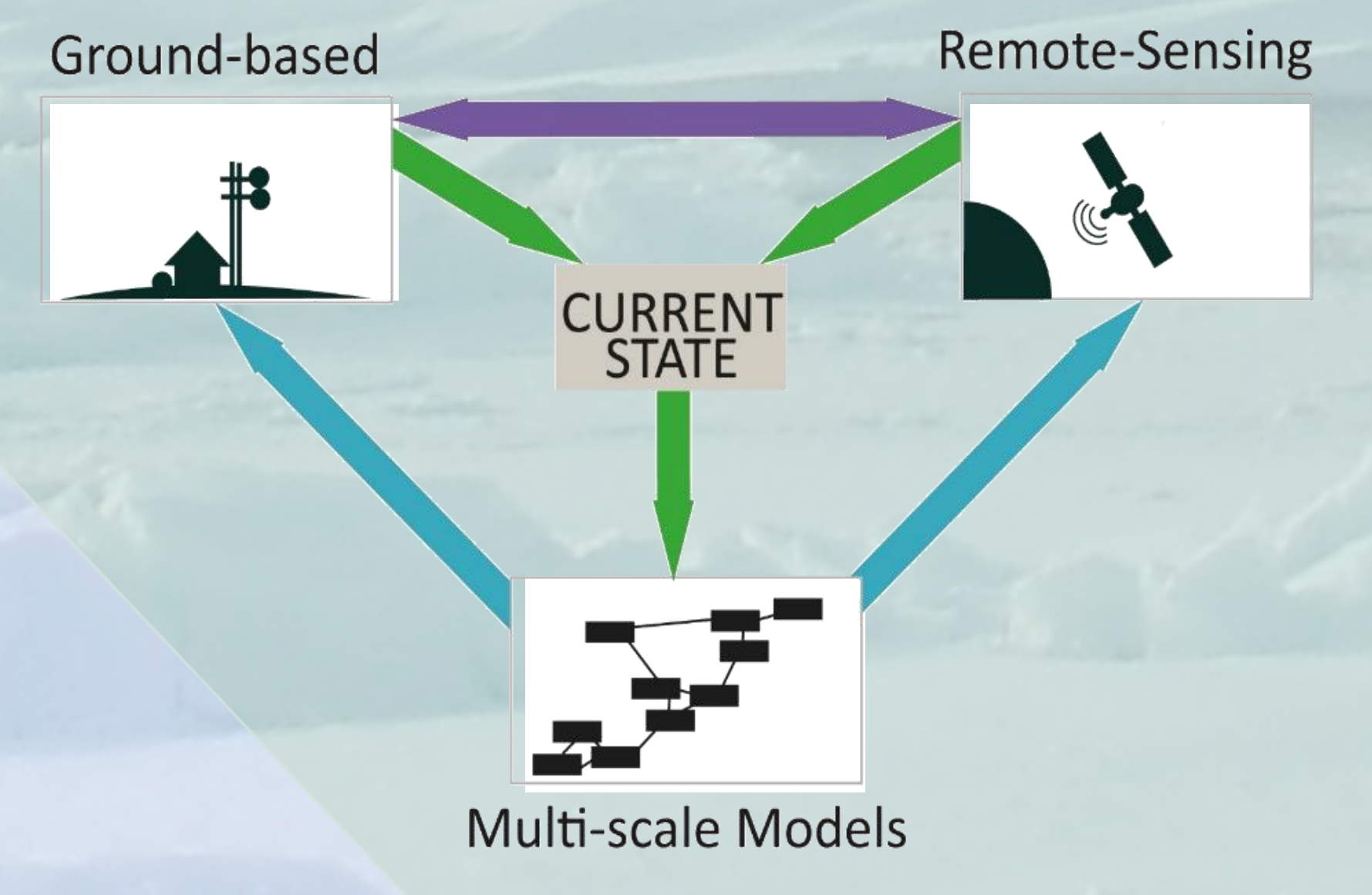


PEEX INFRASTRUCTURE TO ESTABLISH

PEEX OBSERVATION SYSTEM

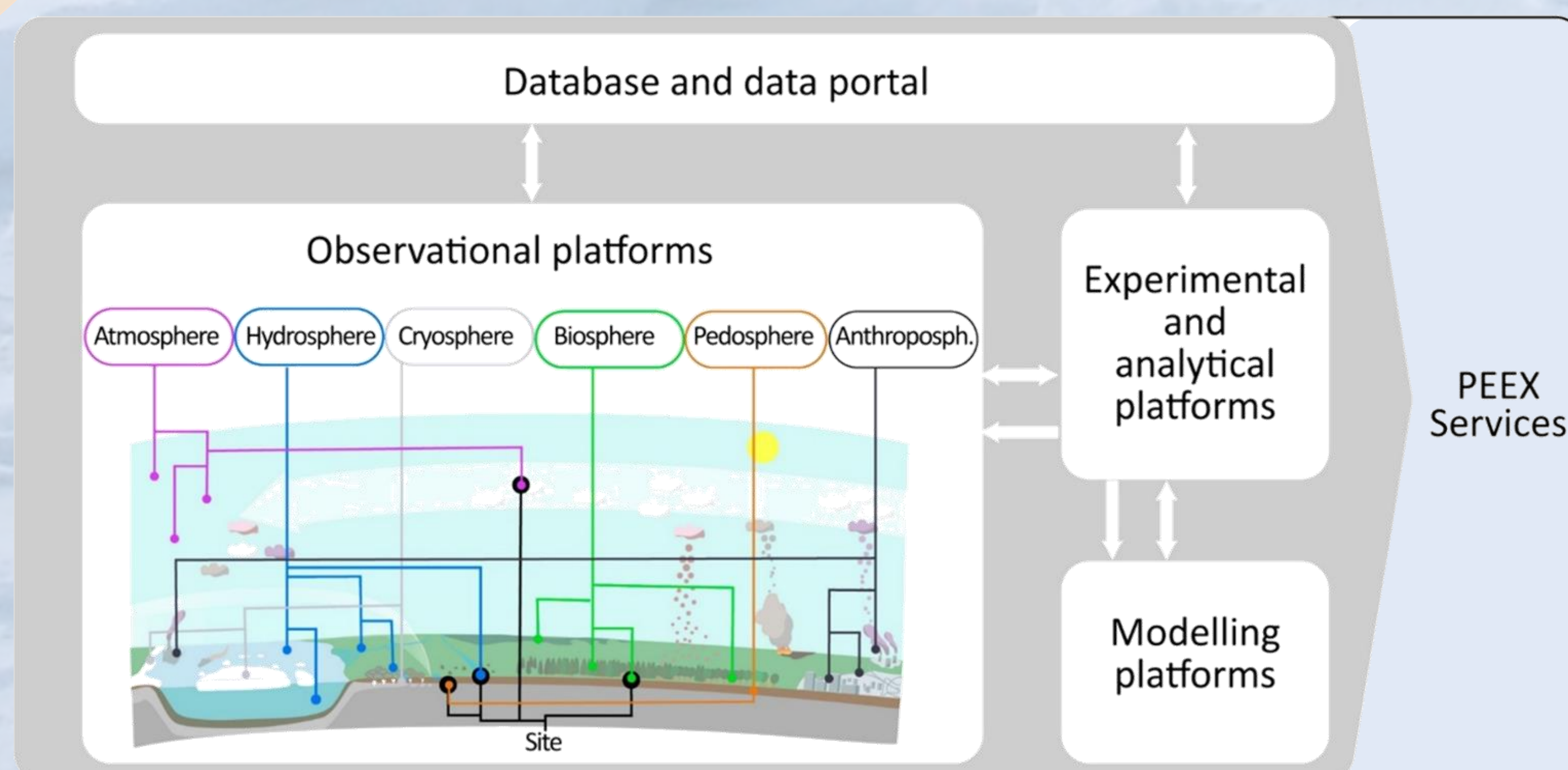
PEEX MODELLING PLATFORM

PEEX DATA STORAGE & DELIVERY SYSTEM



PEEX SERVICES

- DATA AND RI ACCESS
- RESEARCH SERVICES
- INNOVATION
- POLICY SUPPORT
- EDUCATION
- DECISION SUPPORT



Highly distributed Highly integrated

WORKING GROUPS

- BaSeNet:** Sergey Chalov, Moscow State University
- Satellites:** Gerrit de Leeuw, FMI, and Valery Bondur, AEROCOSMOS
- Modelling:** Alexander Baklanov and Alexander Mahura, DMI
- Marine observations:** Timo Vihma, FMI, and Petteri Uotila, INAR-Univ. Helsinki
- In situ observations:** Tuukka Petäjä, INAR-Univ. Helsinki, and Hanna Lappalainen, INAR-Univ. Helsinki/FMI
- Socio-economics – Integration:** Veli-Pekka Tynkkynen, Aleksanteri Institute-Univ. Helsinki, Anatoly Shvidenko, IIASA, and Sirkku Juhola, Univ. Helsinki

Research Projects and Infrastructures

International collaboration

