

# ACCC -- WORLD LEADING RESEARCH & INNOVATION ECOSYSTEM IN ATMOSPHERIC SCIENCES

1000+

partnerships with  
global research  
institutes

800

Researchers (Physics, Chemistry, Biology,  
Forest Sciences, Geosciences, Meteorology,  
And Social Sciences)

21%

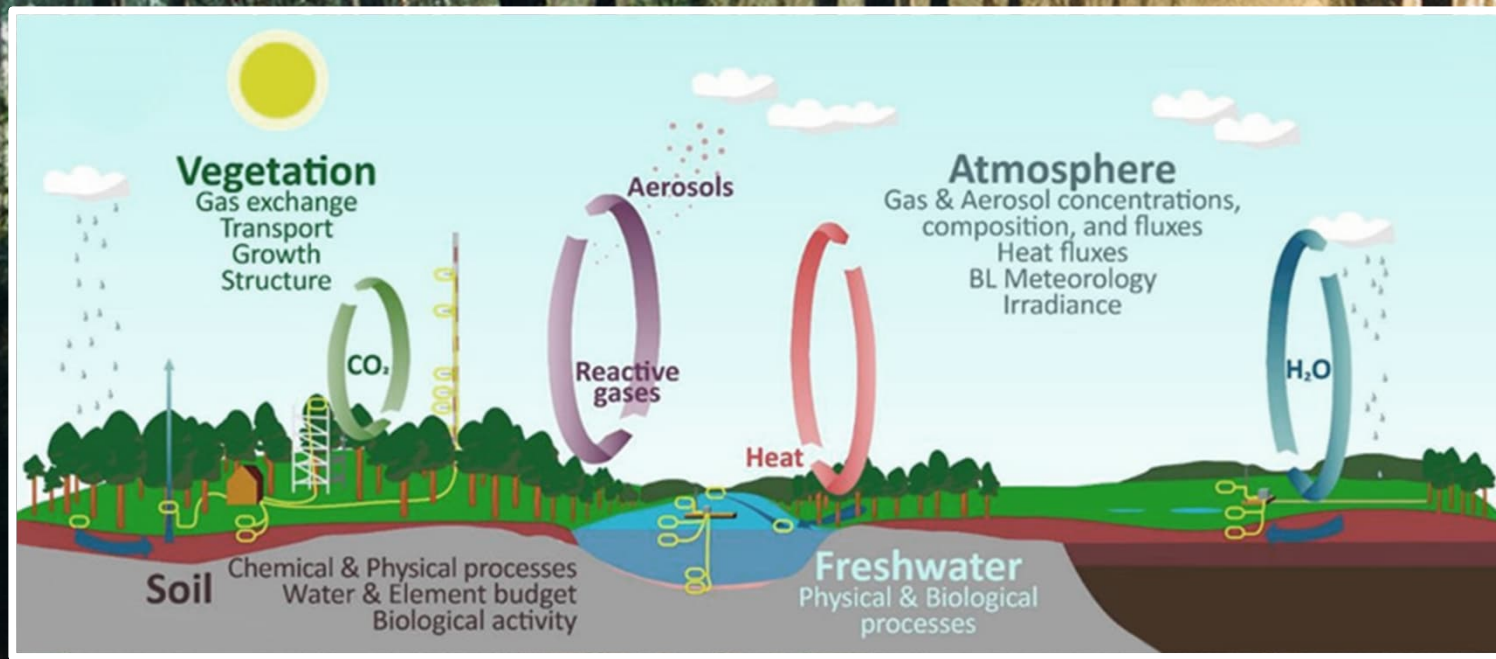
of highly cited  
researchers in Finland

disciplines  
covered

professors  
educated

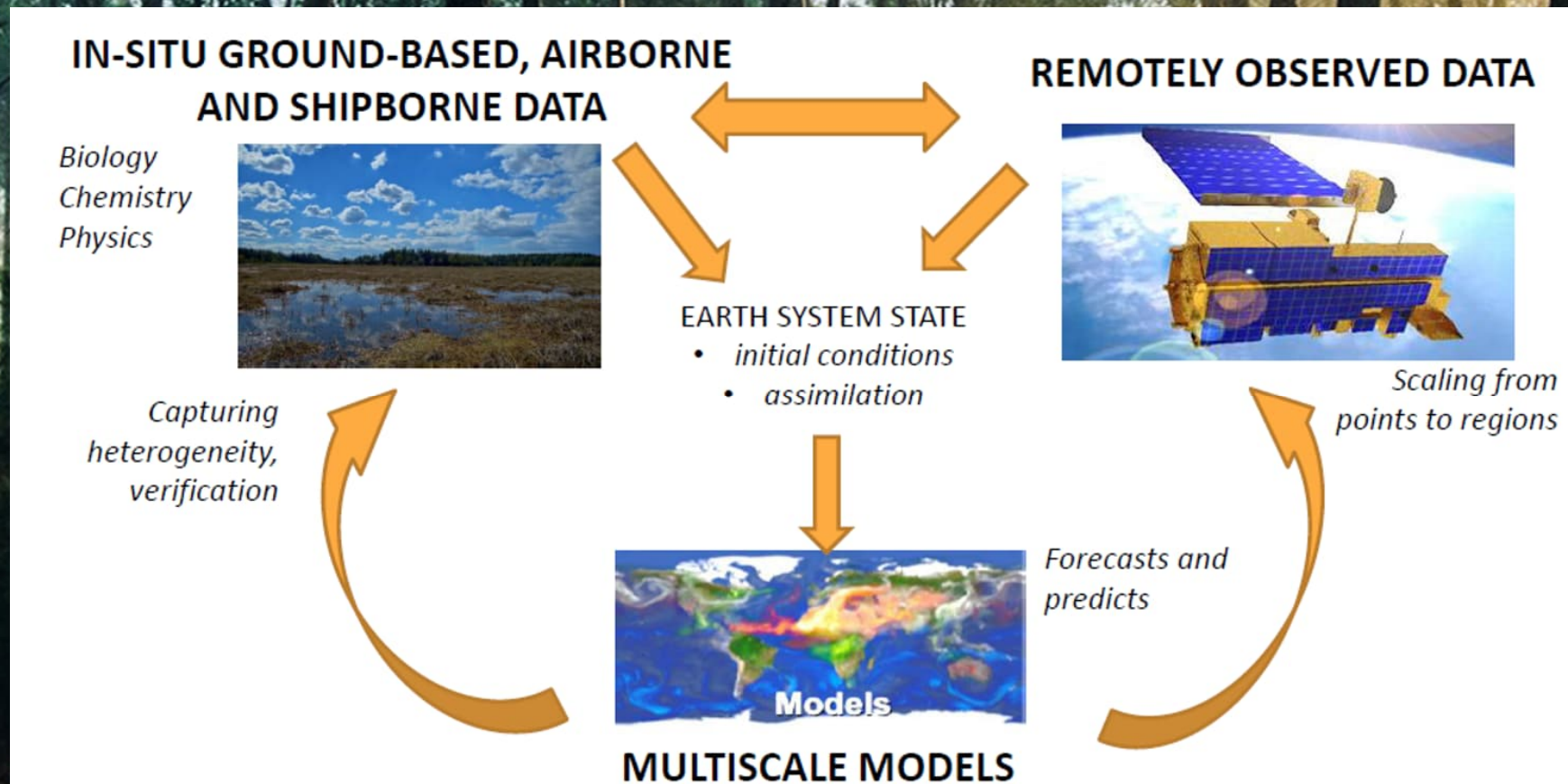
	1990	2018	2028
disciplines covered	2	12	19
professors educated	1	40	80

# WORLD CLASS GROUND BASED RESEARCH INFRASTRUCTURE IN HYYTIÄLÄ, FINLAND



**CONTINUOUS  
COMPREHENSIVE  
OBSERVATIONS  
STATION FOR  
MEASURING  
ECOSYSTEM  
– ATMOSPHERE  
RELATIONS**

# THE THREE PILLARS FOR ADDRESSING EARTH SYSTEM STATE



# OUR MISSION

## MISSION

Climate neutral society in Finland and beyond, removing CO<sub>2</sub> from atmosphere and verifying it.

## PASSION

Interdisciplinary climate research based on physics, chemistry, meteorology, forest sciences, social & environmental sciences.

## TOGETHER

Consolidating a new innovation ecosystem for atmospheric and environmental sciences.

# OUR STRENGTHS

Excellent science in understanding the atmospheric - Earth surface interaction & feedbacks

Capacity building in climate competences for different audiences  
*From schools to universities, from NOGs to business*

World class research infrastructures and in situ stations

Science diplomacy & policy dialog on climate change & AQ  
*from regional to global scale*

Innovations in atmospheric monitoring & carbon footprints  
From indoor to outdoor

Research network and R&I collaboration in all continents  
*from Europe to Asia, and America, from Arctic to Antarctic*

# OUR STRENGTHS

Potential of land-based climate change mitigation

Air quality –  
Climate interactions.

Climate change adaptation

Boreal forests and peatlands.

Soil and new farming in agricultural areas

Weather patterns, heat, rain and winds

New particle formation and haze in cities

Change in Ecosystem-Atmosphere relations

Coastal Climates and the Sea.

Indoor Air