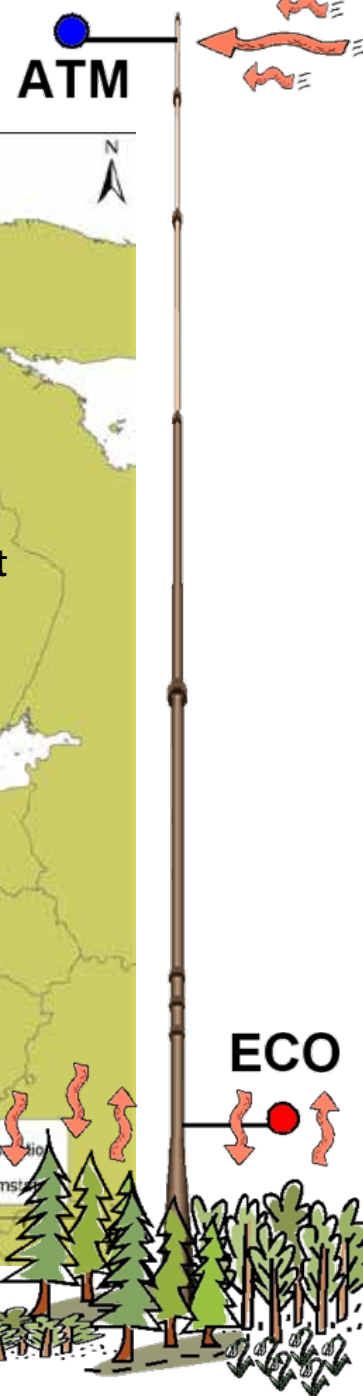


# ICOS Sweden – a national research infrastructure

Anders Lindroth & Meelis Mölder  
+ station PIs

# ICOS Sweden components



- **6 ecosystem stations:**

Subarctic mire - Stordalen

Boreal mire - Degerö

Pine/Spruce- Svartberget

Pine/Spruce– Norunda

Spruce – Hyltemossa

Agricultural site – Lanna

- **3 atmospheric stations:**

North Sweden - Svartberget

Central Sweden - Norunda

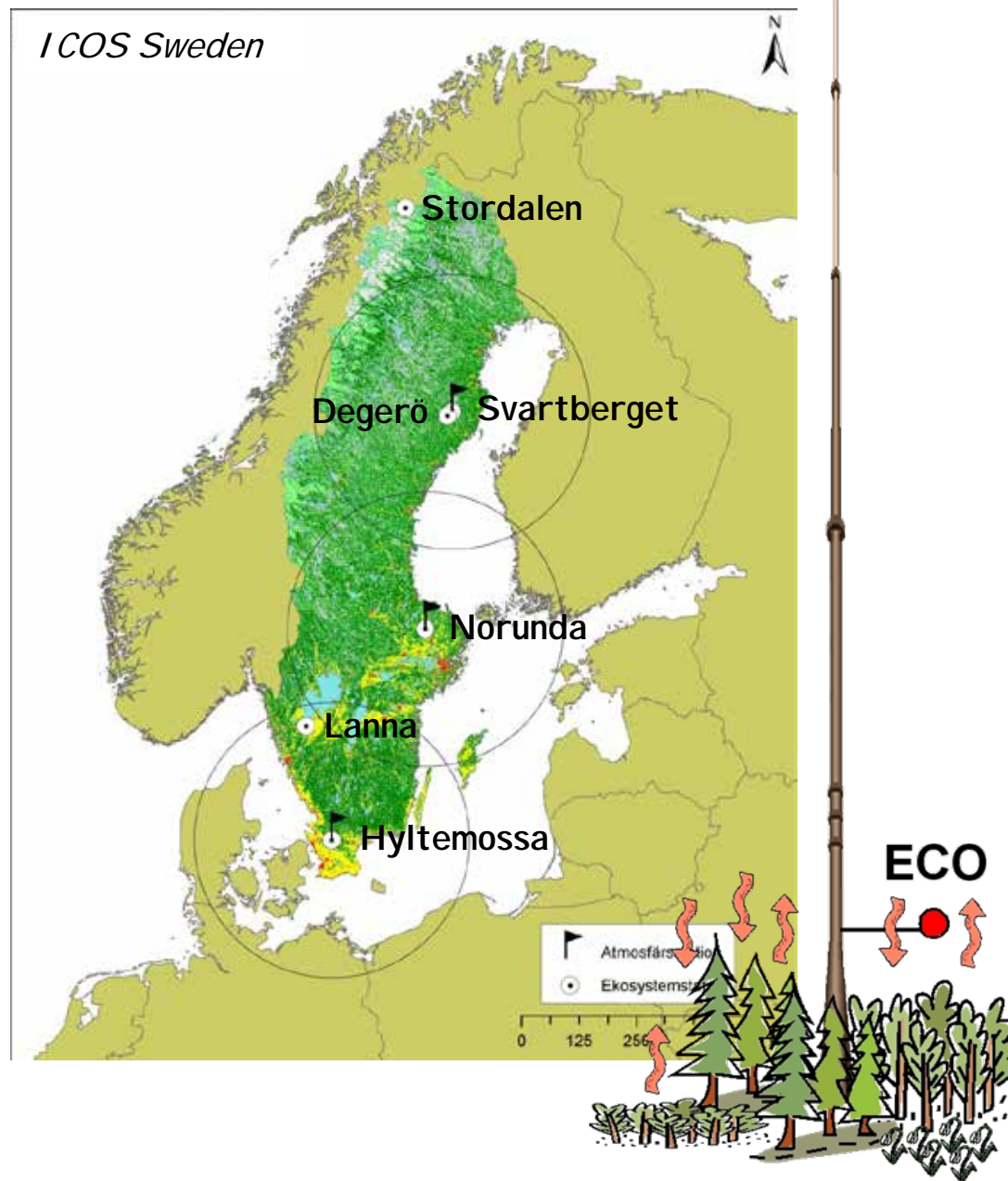
South Sweden – Hyltemossa

- **A “national resource”:**

- ü collect ICOS data

- ü long-term monitoring

- ü serve as “bases” for other research projects



# Tall tower

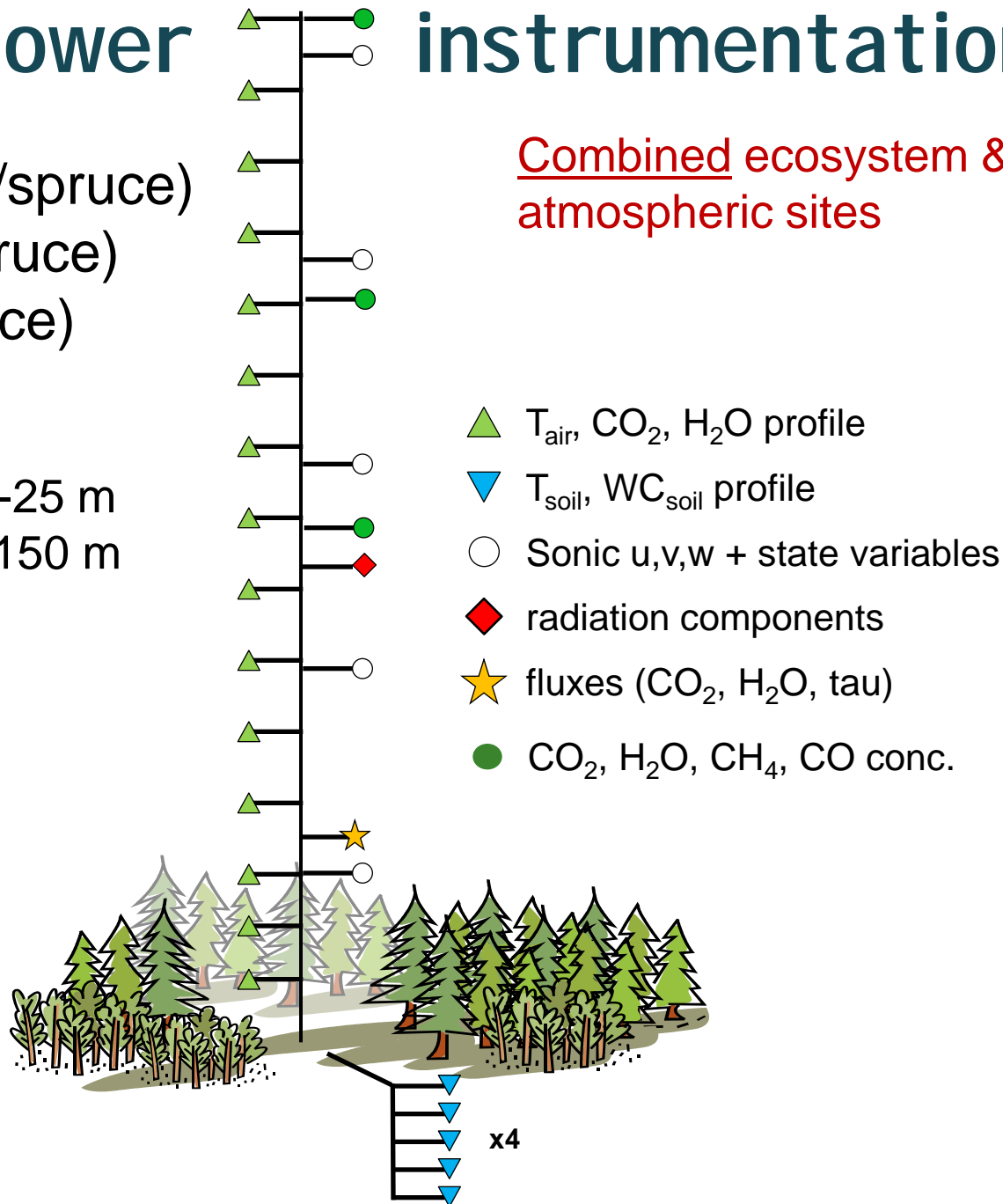
# instrumentation

Svartberget (pine/spruce)  
Norunda (pine/spruce)  
Hyltemossa (spruce)

Vegetation cover 15-25 m  
Tower height 100 – 150 m

Leaf area index  
Biomass increment  
Litterfall  
Soil chemistry  
Precipitation  
...

Combined ecosystem & atmospheric sites



# Svartberget



# Norunda



# Hyltemossa

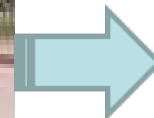
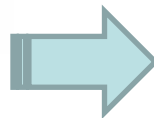


Building permission appealed

# Hyltemossa



# Highlights



## To do 2014

- Build gas sampling system & install Picarro
- Purchase Lidars
- Purchase flask sampling system & tanks for ref gases