



AnaEE Technology Centre (TC)

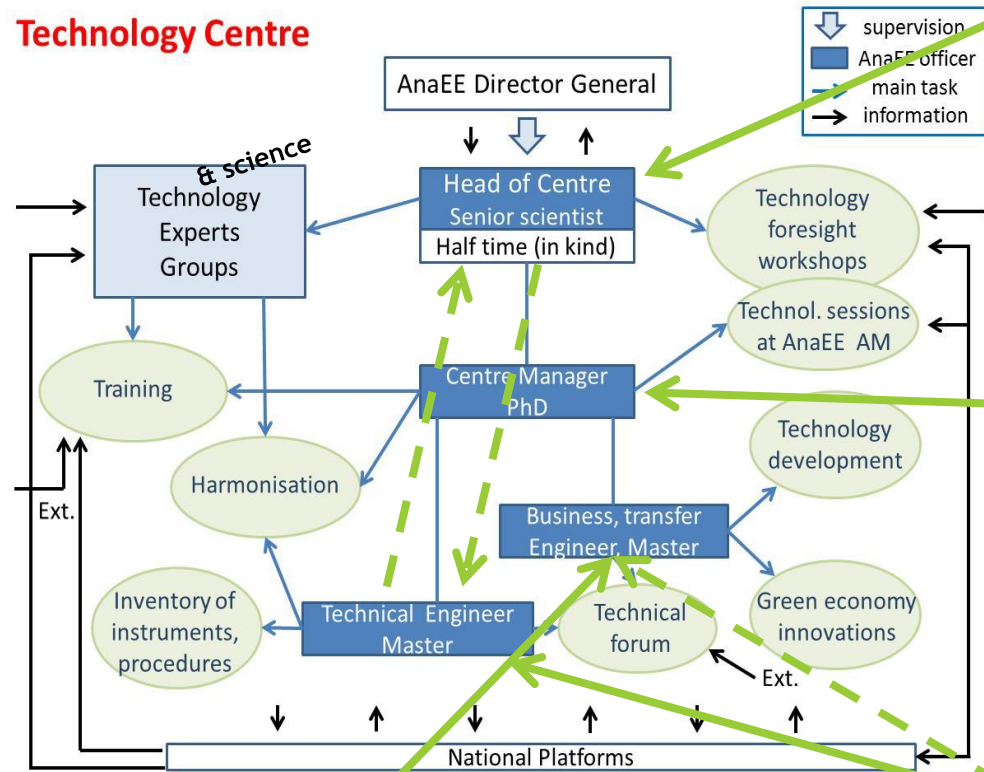
Klaus Steenberg Larsen
Head of Centre

University of Copenhagen, Denmark

TC organization

2

Technology Centre



Potential new person (Year X)

Klaus Steenberg Larsen

Associate Professor

Forest, Nature and Biomass

Rolighedsvej 23, 1958 Frb. C

ksl@ign.ku.dk

Phone: +45 35 33 76 54

Mobile: +45 93 56 55 83

ORCID: 0000-0002-1421-6182



Katrine Korsgaard Vendelboe

KONTAKT

Titel: Specialkonsulent
 Telefon: +4535321036
 Mobil:
 E-mail: katrine.vendelboe@plen.ku.dk
 Brugernavn: gjk227
 Lokale:
 Afdeling: Institut for Plante- og Miljøvidenskab
 Funktioner:
 Adresse: Thorvaldsensvej 40, T665, 1871 Frederiksberg C

Jesper Riis Christiansen

Associate Professor

Forest, Nature and Biomass

Rolighedsvej 23, 1958 Frederiksberg C

jrc@ign.ku.dk

Phone: +45 35 33 69 42

Mobile: +45 30 26 16 76

ORCID: 0000-0002-3277-0734



Overall responsibilities of AnaEE TC:

3

- Monitor platform services (Platform Catalogue)
- Facilitate harmonisation and upgrading of technologies, instruments and procedures across AnaEE platforms
- Organising technology foresight workshops and technology sessions
- Facilitating the development of innovative technology together with industry and contributing to its commercialization process
- Training on new technologies and procedures
- Feeding the Technology section of the AnaEE portal and managing an open technical forum

The 4 types of AnaEE platforms:

4

Open-air ecosystem platforms

covering various land uses and transecting Europe's climatic zones



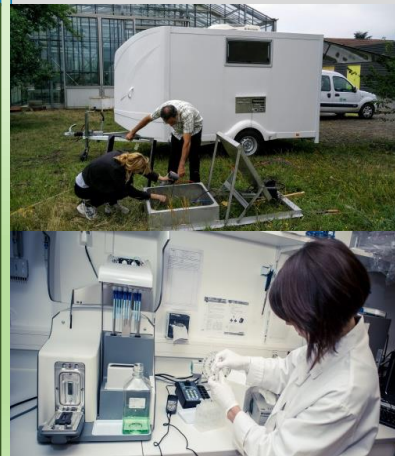
Enclosed ecosystem platforms

To enable higher level of environmental control



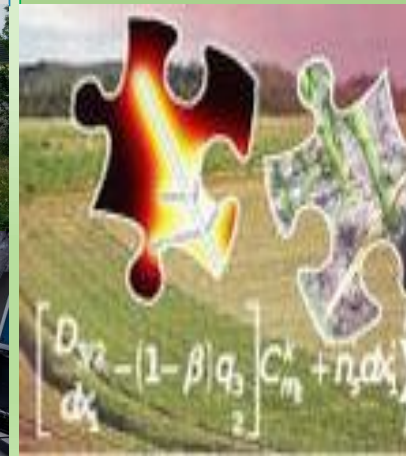
Analytic Platforms

advanced biological, physical and chemical analyses for a deeper insight into processes



Modelling Platforms

To improve data analysis and synthesis. To give predictions



TC has special focus on experimental platforms...

5

Open-air ecosystem platforms

covering various land uses and transecting Europe's climatic zones



Enclosed ecosystem platforms

To enable higher level of environmental control



- Catalogue of services, new technologies and procedures for **experimentation** - i.e. focus on the **experimental platforms**
- Innovation of new technologies with industry

New measurements include analytical platforms...

6

Open-air ecosystem platforms

covering various land uses and transecting Europe's climatic zones



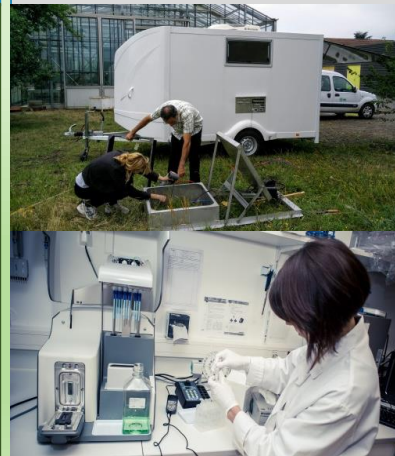
Enclosed ecosystem platforms

To enable higher level of environmental control



Analytic Platforms

advanced biological, physical and chemical analyses for a deeper insight into processes



- New technologies and procedures for measurements - i.e. the experimental platforms + analytical platforms

Modelling platforms...

7

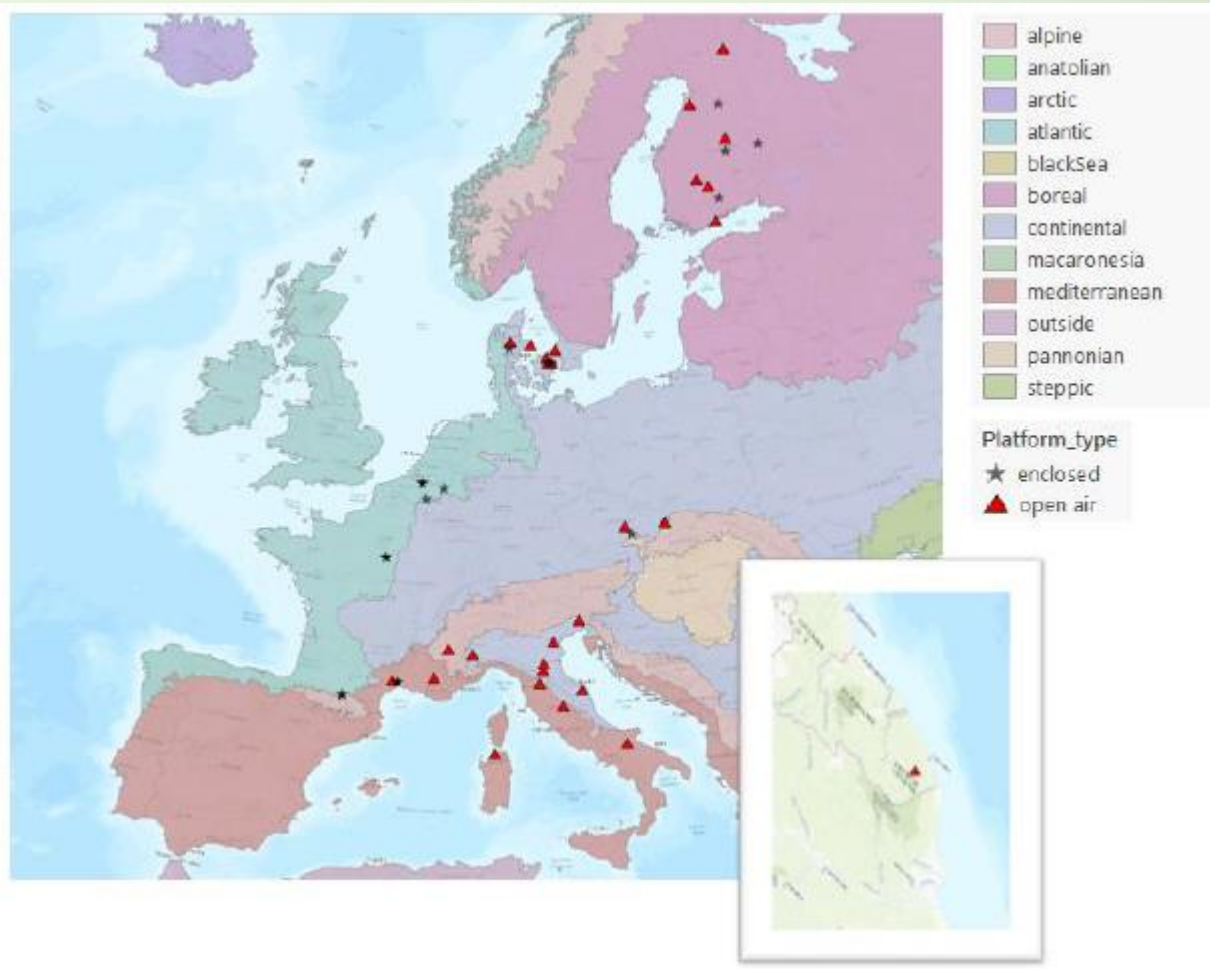
- Interacts especially with the Data & modelling Centre (DMC), but will be closely involved in developing **common procedures** + analysis for **core parameters** to measure in experiments

Modelling Platforms

To improve data analysis and synthesis. To give predictions



Experimental platforms (France, Italy, Czech Rep., Belgium, Denmark, Finland)



- 30 Open air platforms
- 22 Enclosed platforms
- 2-10 Analytical platforms (not yet decided, not shown)
- Modelling platforms (not yet decided, not shown)

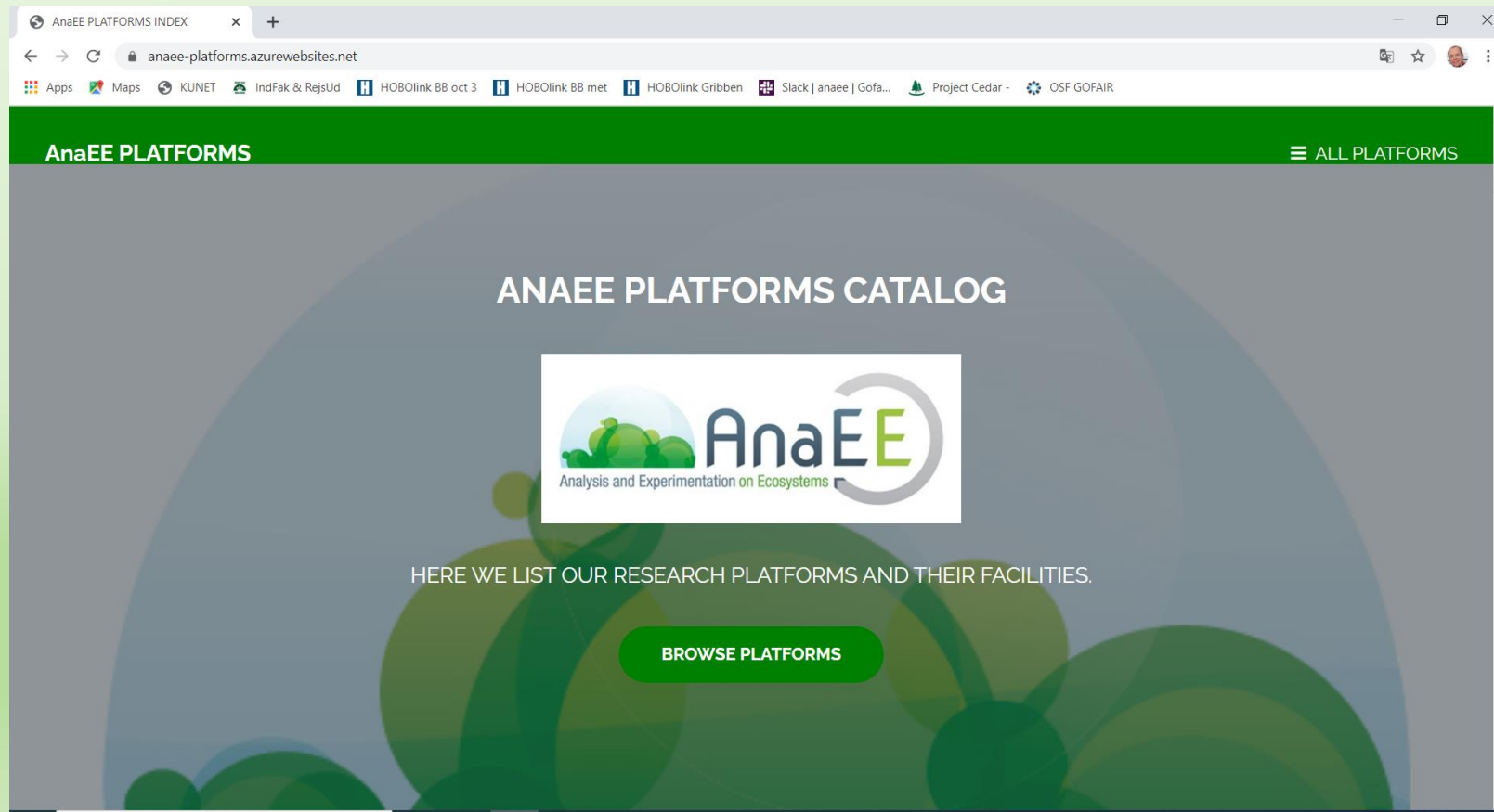
To be added in near future:

- CIHEAM network of platforms
- Lithuanian, Bulgarian platforms in process of evaluation and
- More countries...

The AnaEE platform catalogue...

9

Try it out - find it on anaee.eu!



AnaEE TC performance indicators:

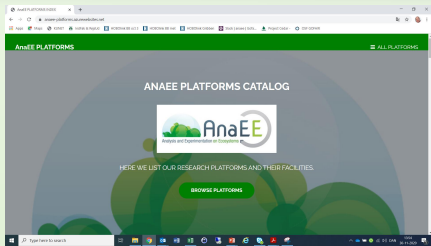
10

SMART goals - 6 countries scenario

- Platform service catalogue (level of detail human resource dependent)
- Promotion material -leaflets, reports
- Technical forum for web portal
- Protocols for experimentation (No. of protocols collected per year: 2-5)
- Training workshops (no. per year: 1, No. of participants per year: 15)
- Technology foresight workshops (no. per year: 1, No. of participants per year: 25, No. of private industry participants per year: 3-5)
- No. of new technologies tested per year: 1-3
- No. of new projects fostered per year: 1-2
- Technical papers per year: ½-2

Initiation of activities

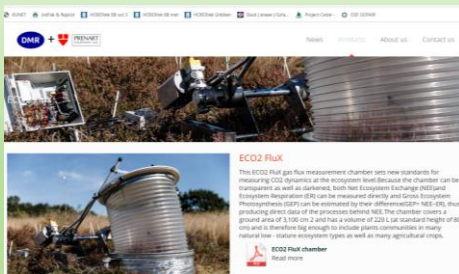
11



- In 2019 and 2020, we have updated information from the experimental AnaEE platforms leading to the creation of the online platform catalogue

- In Nov 2019, the first platform workshop was held in Copenhagen with 30 participants from 9 countries.

- We have performed an evaluation of platforms in terms of how they fulfill the AnaEE platform criteria



- Testing and implementing new technologies (ECO₂flux GHG chamber, preart.dk, presentations by Azeem Tariq and Ji Chen yesterday)

AgroEco2020

- AnaEE technology foresight workshop and training course in the pipeline.

3/12/2020

