



# TIGHTENING THE PHOSPHORUS CYCLE FOR A MORE SUSTAINABLE BIOECONOMY IN THE BALTIC SEA REGION.

Gitte Rubæk,  
Department of Agroecology,  
Aarhus University, Denmark



# OBJECTIVE

- › To reduce the dependency of imported P by increasing the P utilisation in the BSR bio-sectors
  
- › Suggest, develop and demonstrate ways to
  - › "Map" the P flows and stocks in BSR
  - › Improve P utilisation in CROP, ANIMAL and FOREST production systems
  - › Increase recycling of P from waste streams
  - › Reduce P losses to aquatic systems?
  - › Recover P through AQUATIC production systems?



# WHO WE ARE - SO FAR

## **Aarhus University, Denmark**

Gitte Rubæk (Agroecology),

Hanne Damgaard Poulsen (Animal Science),

Henrik Brinch Petersen (Molecular biology and genetics)

## **MTT Agrifood Research, Finland**

Risto Uusitalo (Plant production Research)

Anni Iho (Economic and social Sciences)

## **Agrobusiness Park, Denmark**

Knud Tybirk

# COMPETENCES NEEDED:

- › Resource flow analyses
  - › Cropping systems and soil
  - › Animal production
  - › Forestry
  - › Marine / aquatic production systems
  - › Waste handling and recycling
  - › Environmental impact evaluation
  - › Economic impact evaluation
- 
- › Bring science into practise and practise into science
  - › Geographical coverage
  - › Synergy with national projects
  - › Synergy with initiatives/ activities at the EU scale



# HOW FAR ARE WE? - AND HOW DID WE START?

---

- › More or less just started 😊
- › The idea was born at the Stockholm meeting in December 2013



# SCHEDULE

Task	When
Formulate rough a project outline	April/ Ma y
Identify core partners	April/ Ma y
<p>First meeting core group</p> <ul style="list-style-type: none"><li>• Elaborate and agree on project outline and responsibilities</li><li>• Decide which calls/ funds to go for</li><li>• Identify further partners needed</li><li>• Schedule the preparation of the full proposal</li></ul>	June ?

