

PARALLEL SESSION #7

11:30-13:15

# SYSTEMS LEVEL APPROACH TO FOOD, BIODIVERSITY AND LAND USE CHALLENGE



**Peter Schmidt**  
EESC



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Natural Resources  
Institute Finland



**Moderator: Katriina Soini**  
Finnish Expert Panel for  
Sustainable Development

#EEAC30  
#CriticalDecade



# Work in a nutshell

- Chair, co-Founder BSAG foundation
- Chair, co-Founder Carbon Action platform
- Vice chair of the Board Natural Resources Institute Finland
- Board member, co-Founder Soilfood Ltd (recycled inputs to agriculture)
- Board member, co-Founder Q Power Ltd (storage of renewable energy)
- Owner Qvidja Reseach Farm
- Owner Gullkrona harbour, archipelago
- Writer, columnist IS
- Suomalaisen ruoan laatukirja 2020
- Luonnollisia ajatuksia 2021



Active in Twitter:  
[@Skankaanrinta](https://twitter.com/Skankaanrinta)



BALTIC SEA ACTION GROUP

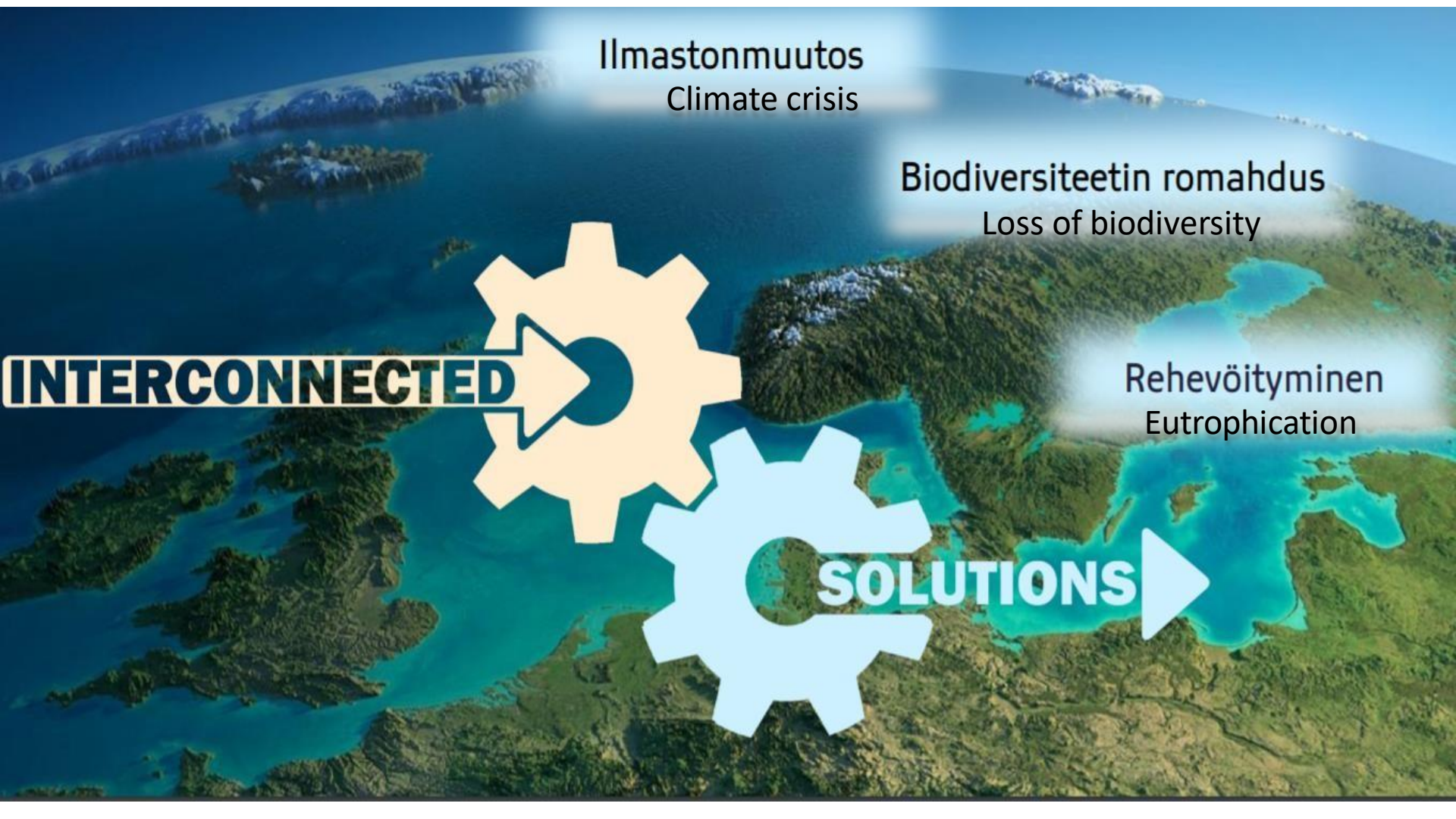
Ilmastonmuutos  
Climate crisis

Biodiversiteetin romahdus  
Loss of biodiversity

Rehevöityminen  
Eutrophication

**INTERCONNECTED**

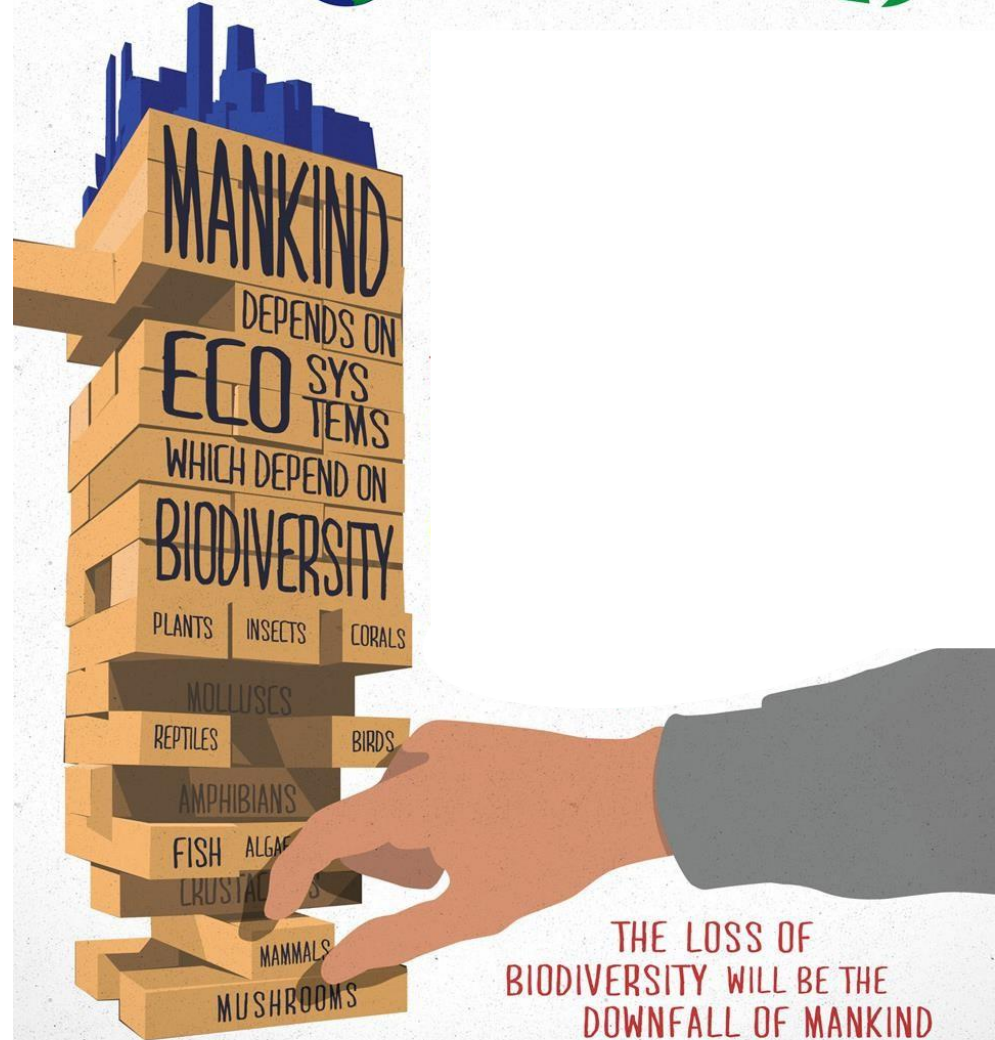
**SOLUTIONS**





03 FEB 2021 | PRESS RELEASE | NATURE ACTION

# Our global food system is the primary driver of biodiversity loss



THE LOSS OF  
BIODIVERSITY WILL BE THE  
DOWNFALL OF MANKIND

WHY SOIL?

Of all BIODIVERSITY

25%

is in SOIL!



## WHY SOIL?

Healthy soil stores carbon, secures better yields with less inputs - and minimizes emissions to the water bodies





# THOSE WHO TEND THE LAND HAVE SOLUTIONS IN THEIR HANDS

Same field 2 years apart

Qvidja 2016

Qvidja 2018

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# CARBON ACTION PLATFORM

Appr. 3000 people:



## FARMERS

100 pilot farms  
1 000 in Carbon Action Club  
1 000 registered for e-course



FMI



BSAG  
Baltic Sea Action Group



CARBON  
ACTION  
.FI

## DECISION MAKERS

CAP & climate policies  
Voluntary **carbon farming markets piloted**  
7 guidelines for future EU carbon market system

## SCIENCE

21 projects:  
Soil & plant processes,  
farming practices,  
verification, economics.  
**World 1<sup>st</sup> forecast on C sequestration**

## COMPANIES

11 companies: training contract farmers,  
sourcing criteria,  
**Products to consumers**



# PARADIGM SHIFT: DEGENERATIVE OR REGENERATIVE AGRICULTURE?

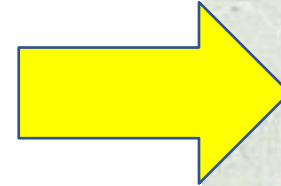


Beyond Sustainable: Think Regeneratively Kiss the Ground  
<https://kisstheground.com/thinkregeneratively/>

BALTIC SEA ACTION GROUP

# CARBON ACTION FARMS & FARMERS

- 100 pilot farms committed to research, training and co-development  
PLUS:
- Carbon Action Club: Over 1000 farms
- 30 agricultural advisors are trained
- Companies providing training: over 1000 contract farmers
- A free e-learning course





Hope comes from action.

