

# Organic matter management and regional production of biofertilisers

*Flagship project of the  
Research and Technology Initiative  
of Lower Austria*

Dr. Eva Erhart  
Dr. Wilfried Hartl

**bioforschung**  
austria

# Part 1 –Organic matter/ humus management



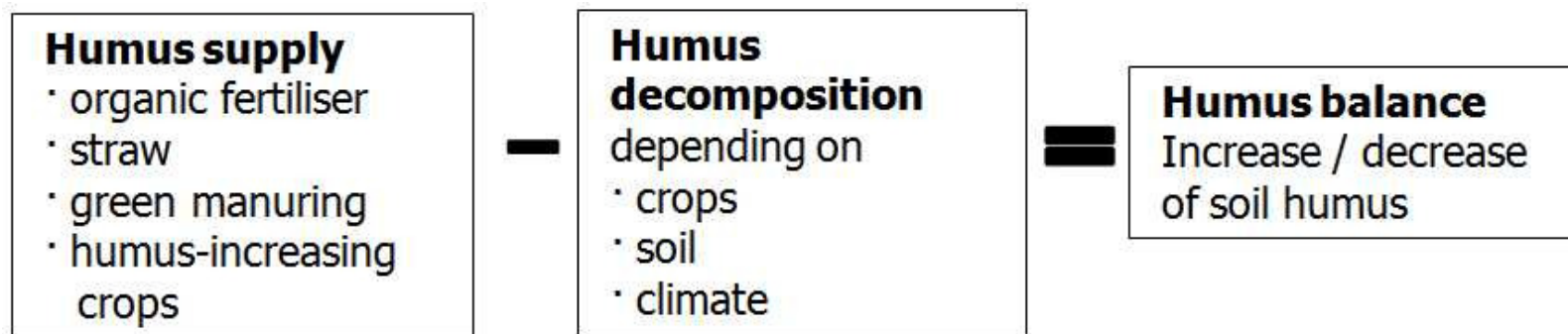
## Project aims:

- Mainstreaming of humus balancing in practice  
Basis for sustainable humus management  
Building soil humus, climate protection, soil protection
- Advancing of the humus balancing method,  
Facilitating the use of the humus balancing method

# What is humus balancing?

A computational method to determine how well a field is supplied with organic matter

## Principle of humus balancing



# Part 1 –Organic matter management

## Project activities:

- Humus Balancing Seminars for farmers
- Improving the humus balancing method and facilitating the use of the method
  - Reviewing the humus value of intercrops and green manures, of in situ-composting and use of biochar
  - Update and upgrade of the humus balancing software
  - Online-version of the humus balancing software
  - Map of the site groups for eBOD

**Project term:** April 2015 – February 2017



# Part 2 –Regional production of biofertilisers

Cooperation Bio Forschung Austria and VERMIGRAND Naturprodukte GmbH

## Project aims:

Optimising the production of regional biofertilisers

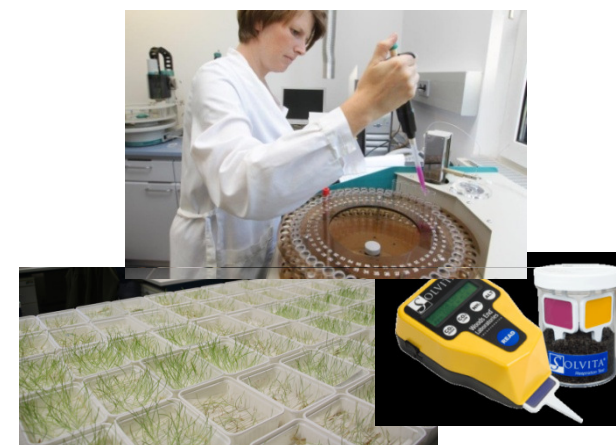
- Developing new biofertiliser products
- Pilot projects with municipalities for local production of biofertilisers



# Part 2 –Regional production of biofertilisers

## Project activities:

- Developing new biofertiliser products
  - Survey of suitable organic wastes
  - Analyses of input materials, conditioning
  - Development of products
  - Tests of the effectiveness of the biofertilisers
- Pilot projects with municipalities for the local production of biofertilisers
  - Production of local biofertilisers, testing
  - Catalogue of measures for the maintenance of soil organic matter and soil quality
  - Project workshops to communicate the results to municipalities



# Thank you for your attention!

Dr. Eva Erhart  
Dr. Wilfried Hartl

**bioforschung**  
austria

A-1220 Vienna  
Tel. +43 676 8118 49173  
[e.erhart@bioforschung.at](mailto:e.erhart@bioforschung.at)  
[www.bioforschung.at](http://www.bioforschung.at)

unser Boden  
wir stehen drauf! 



WISSENSCHAFT · FORSCHUNG  
NIEDERÖSTERREICH 

  
FTI PROGRAMM  
NIEDERÖSTERREICH