

SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime
and Inland Water Research | Bioeconomy | KET-Biotechnology |

Brussels, 26th June 2018



UNIVERSITY OF
EASTERN FINLAND

Sustainable Food Security

Nanotechnology in the production of novel fertilizers from biogas digestate (NANO-NUTRIENT)

Dr. Narasinha Shurpali

University of Eastern Finland



www.ncp-biohorizon.net

BioHorizon project is funded by the European Commission - Grant Agreement no. 652637

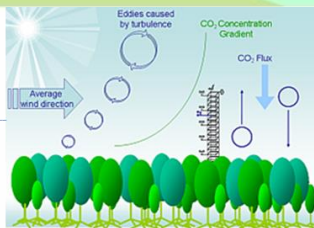
 #BioBrokerage

Project idea / Company expertise



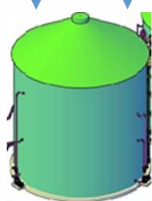
Cattle Slurry

Crop residues

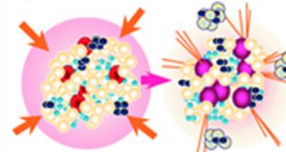


Boreal agriculture Climate change implications

Biogas



Anaerobic digestion



Nanotechnology

P and K nano - fertilisers

Biomethane

Field application as manure



Digestate



- Sustainability of Crop production – GHG exchange – perennial Vs annual systems – life cycle analysis – SOC sequestration
- Nanotechnology – Nanoparticles from biogas digestate – P and K binding
- Anaerobic digestion – efficient waste management
- Efficient crop nutrient delivery – at the right time and at the right place

Narasinha Shurpali

+358 50 573 9538, narasinha.shurpali@uef.fi

University of Eastern Finland

A research and education institution

(KUOPIO) Finland

Relevant calls –

TOPIC : High-quality organic fertilisers from biogas digestate
CE-SFS-39-2019, Single stage, IA, DL: 23 Jan 2019

TOPIC : Closing nutrient cycles
CE-RUR-08-2018-2019-2020, Single stage, IA, DL 23 Jan 2019

Looking for Project Coordinator and project partners from

Research institutions with similar expertise

Relevant SMEs

Relevant NGOs