



European Parliament
Committee on Agriculture and Rural Development

Hearing on “Enabling innovation for sustainable agriculture”
16 March 2021, Brussels

Panel 2: ‘Enabling tools and processes for agriculture’

Process innovation – integrating activities and expertise
Paolo Mantovi – CRPA, Italy

MULTIDISCIPLINARY EXPERTISE & COLLABORATION WITH DIFFERENT SPECIALISTS



Animal science

Agronomy

Chemistry

Soil science

Economy

Others



OPERATIONAL GROUPS & OTHER PROJECTS



UNIONE EUROPEA
Fondo Europeo Agricolo
per lo Sviluppo Rurale



Regione Emilia-Romagna

L'Europa investe nelle zone rurali



FROM SMALL → OPERATIONAL GROUP 'EDIBLE PARK'



A multifunctional farm model (agroforestry, social activities, ...)

TO LARGE → SUSTAINABLE LIVESTOCK FARMING



Animals & crops & renewables together

FARM TO FORK STRATEGY

2030 Targets for sustainable food production

PESTICIDES



Reduce the overall use and risk of chemical and hazardous pesticides

NUTRIENT LOSSES



Reduce nutrient losses by 50% whilst retaining soil fertility, resulting in 20% less fertilisers

ANTIMICROBIALS



Reduce sales of antimicrobials for farmed animals and aquaculture

ORGANIC FARMING



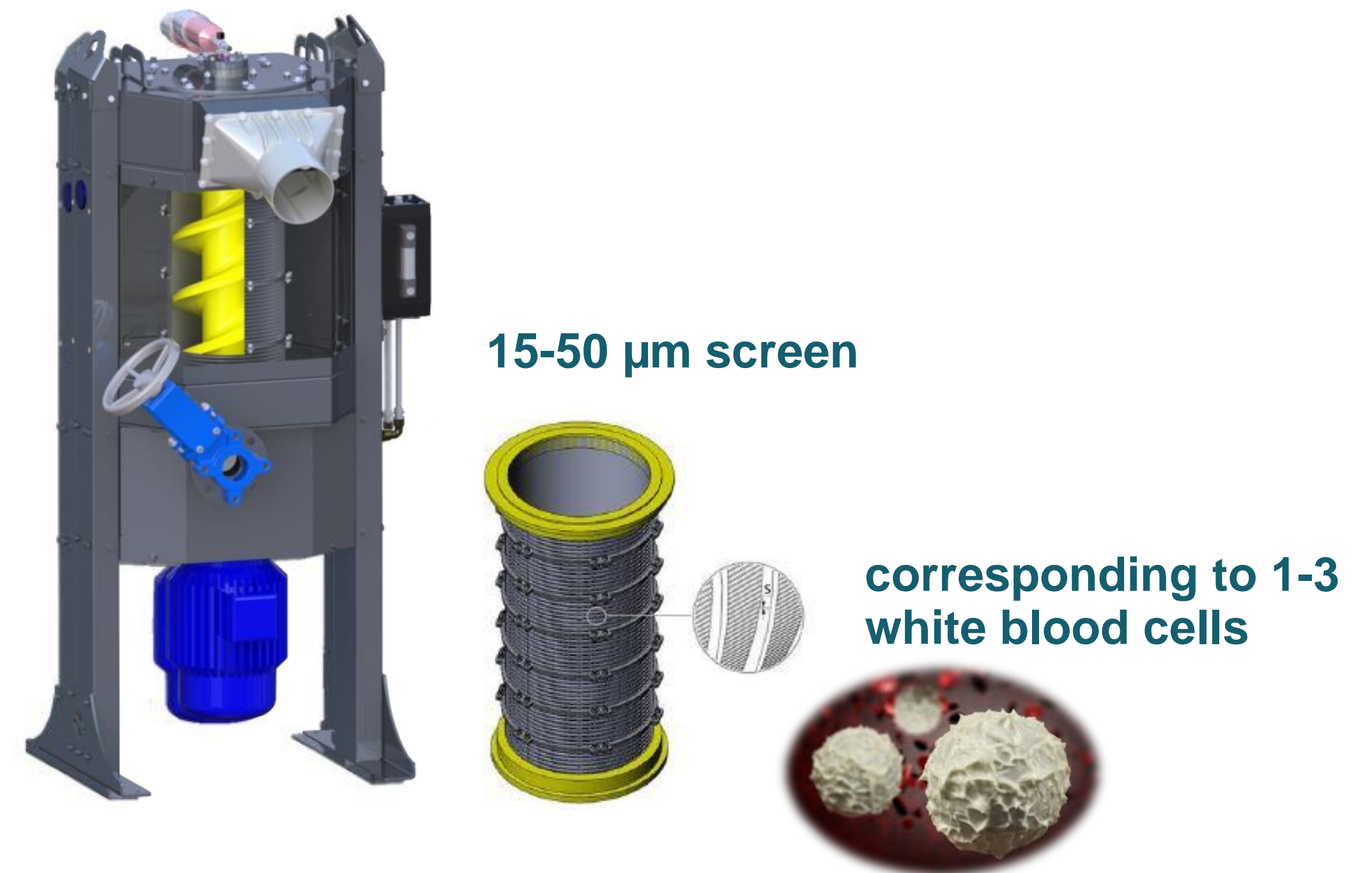
Increase the percentage of organically farmed land in the EU

One option: efficient use of organic fertilisers

INNOVATION IN TECHNOLOGIES



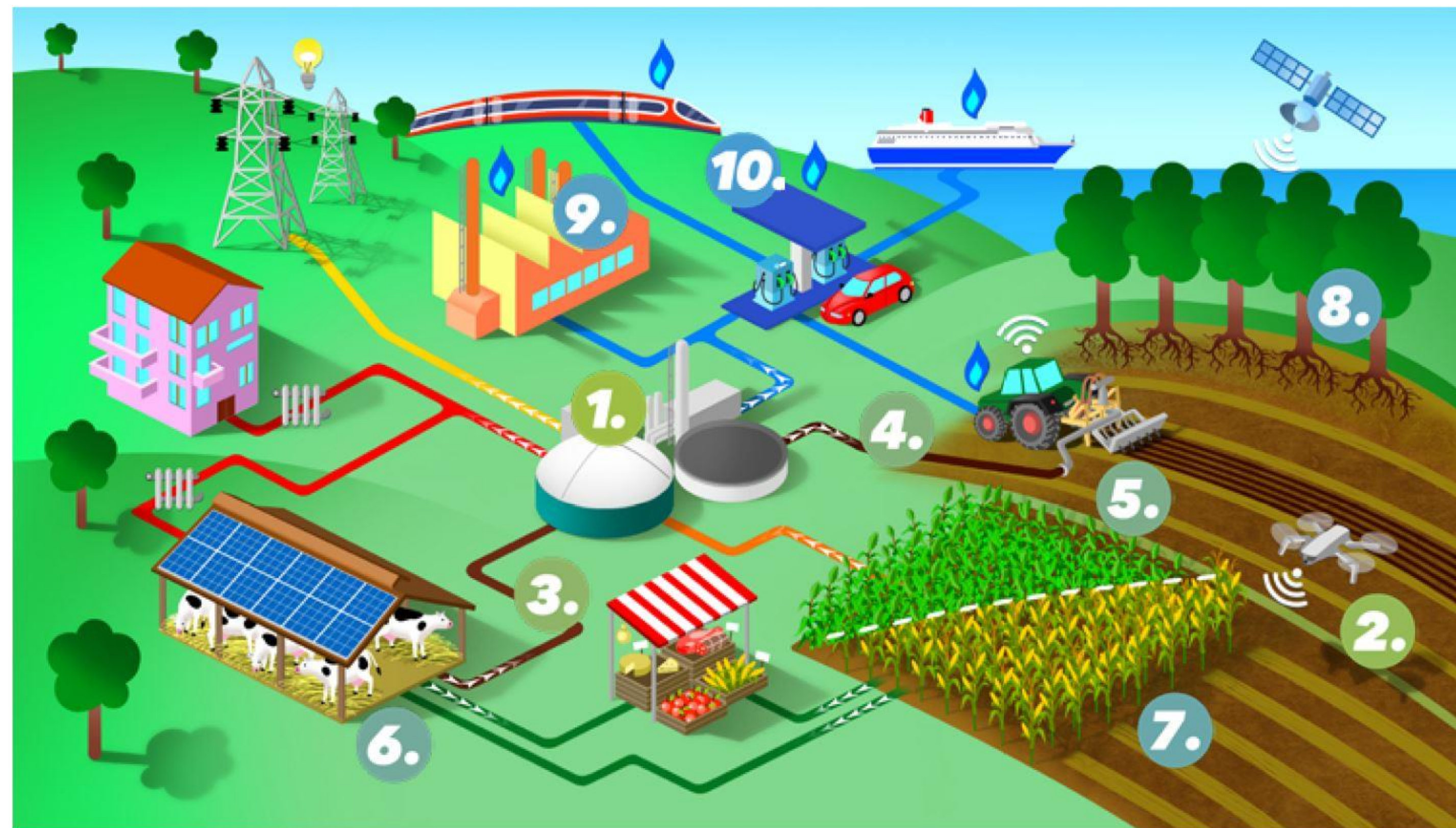
A new microfilter



Example: Microfiltered digestate to fertigation

THE 'FARMING FOR FUTURE' INITIATIVE

www.farmingforfuture.it



10 actions to grow the future

1. Renewable energy 2. Precision agriculture 3. Manure management 4. Organic fertilisation 5. Conservation tillage
6. Animal welfare 7. Soil fertility 8. Agroforestry 9. Biobased materials 10. Renewable fuels