



**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



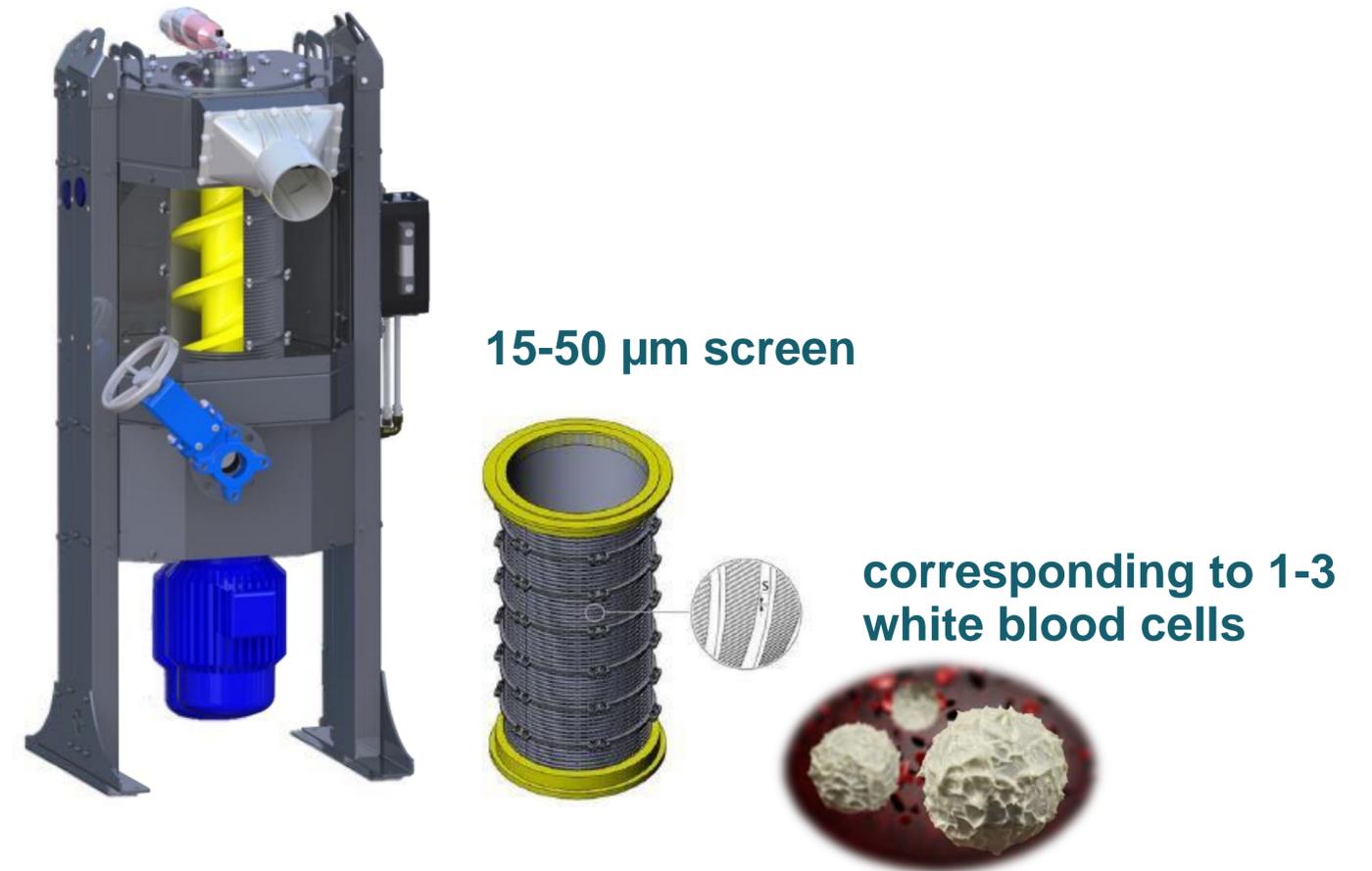
Increase the percentage of organically farmed land in the EU

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](http://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