FABulous Farmers

What will the programme do?

- Measure the benefit of Functional Agro-Biodiverse (FAB) measures
- Increase implementation of FAB measures on farms
- Measure economic benefit
- Help citizens and policy makers to embed change
FABulous Measures

- Reduced tillage
- Mixed crops / rotation
- Cover crops
- Soil amendments
- Manure and composting
- Agroforestry
- Hedgerow management
- Field margin management
- Reduced use of plant protection products
- Semi-natural landscape elements (habitat)
12 pilot regions – 5 countries

UK Pilot Regions

South West of England

East of England

Pembrokeshire
Current agricultural ecosystem

EXTERNAL (EXHAUSTIBLE) INPUTS
- Fossil fuels
- Pesticides
- Insecticides
- Mineral fertiliser
...

LOCAL RENEWABLE RESOURCES (soil, water, ...)

Agro-ecosystem

OUTPUTS
- Pos. externalities (public goods)
- Neg. externalities (waste-products, emissions, ...)

Food, Feed, ...
More circular agricultural ecosystem

LOCAL RENEWABLE RESOURCES
(soil, water, ...)

Agro-ecosystem

Pos. externalities
(public goods)

Food, Feed, ...

Interreg North-West Europe
FABulous Farmers
## Circular farming essentials

<table>
<thead>
<tr>
<th>Organism Group</th>
<th>Examples</th>
<th>Associated Ecosystem Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Organisms</td>
<td>Earthworms, Enchytraeids, Springtails, Mites, Bacteria, Fungi, Beetles</td>
<td>Soil formation and fertility, Nutrient cycling, Water flow regulation, Water purification, Erosion control, Climate regulation</td>
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<tr>
<td>Crop pollinators</td>
<td>Honey bees, Bumblebees, Butterflies, Beetles</td>
<td>Pollination</td>
</tr>
<tr>
<td>Natural enemies of pest insects</td>
<td>Nematodes, Ladybird beetles, Parasitoid wasps, Spiders</td>
<td>Pest regulation</td>
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<tr>
<td>Natural and semi natural vegetation in the agricultural landscape</td>
<td>Hedgerows, Wild flower strips, Natural and semi natural grasslands, Woodland</td>
<td>Habitat for biodiversity, Erosion control, Aesthetic value</td>
</tr>
</tbody>
</table>
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Callum Weir
George Young
The Circular Farm