

Solutions for GHGs emissions mitigation for the mixed farming systems across different European climates - **Solution4Farming**

Partners (Romania, Finland, Poland, Spain)



Funding



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Project aim and objectives

Solution4Farming project aim to provide solutions for GHGs emissions mitigation for the mixed farming systems across different European climate.

Project objectives

O1: To systemic identify synergies and complementarity with other sectors for mixed crop-livestock production

O2: To select the most suitable solutions for each climate area to increase circularity in mixed farm

O3: To develop ICT tools to mitigate GHG emissions

O4: To test and validate the project solutions

O5: To assess the effectiveness of the project solutions based on an LCA approach

O6: To provide the dissemination, communication, and channel to results exploitation

Project duration

36 Months (12 / 2021 to 11 / 2024)

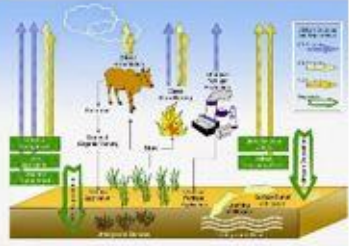
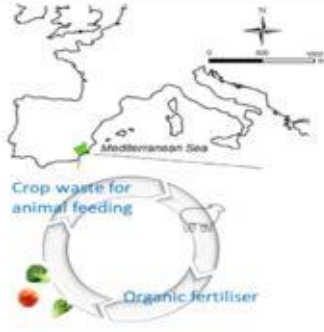

Total requested funding

831000 €

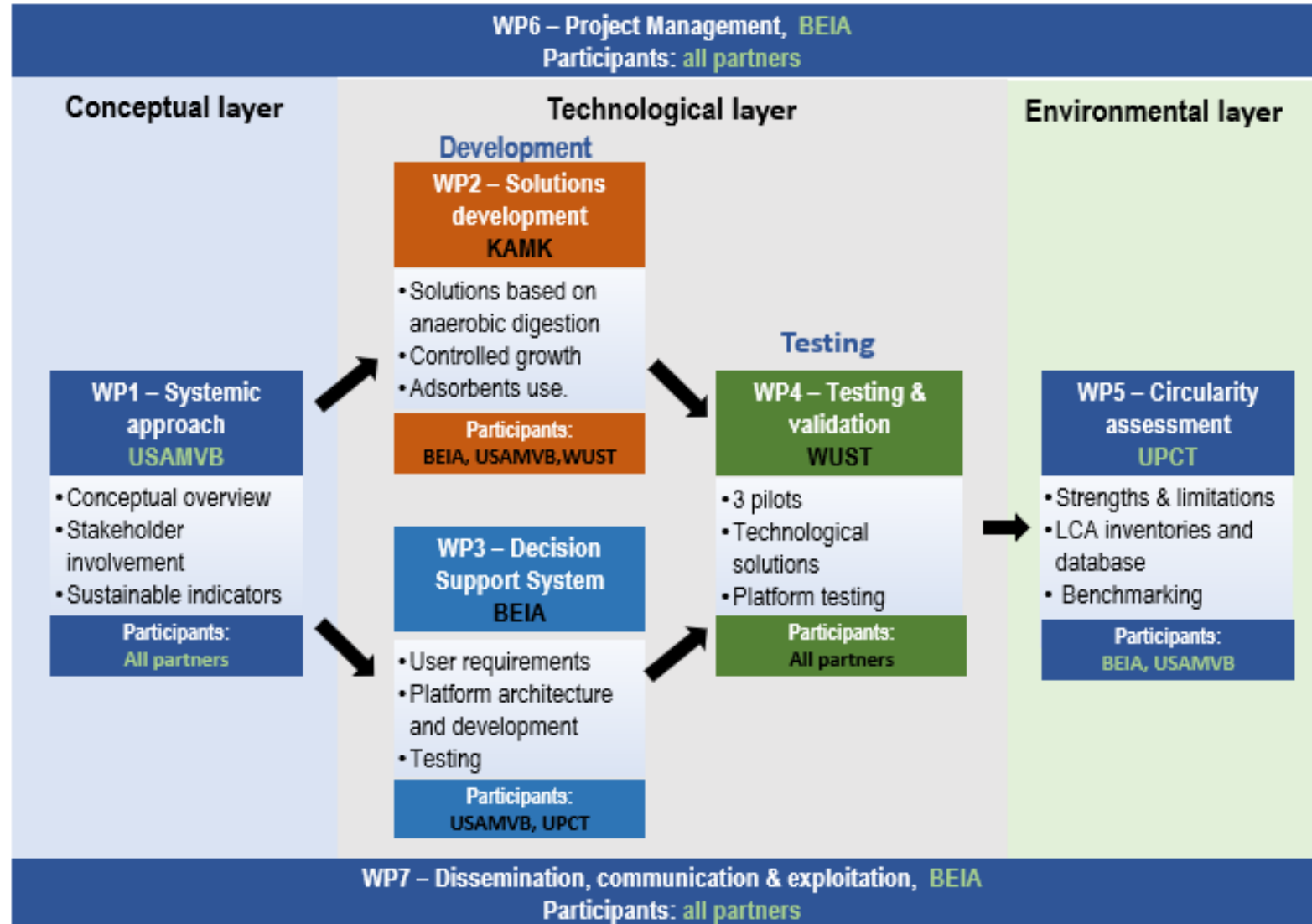
Total costs

995000 €

Project pilots and results

Pilot Objective	Solution tested/ demonstrated
 <p>Pilot #1: Explore the management options to mitigate GHG emissions in a mixed crop-livestock production.</p>	<p>Decision Support System for management of the mixed crop-livestock farms activities to mitigate GHG emissions – R2</p>
 <p>Pilot #2: Evaluate regional synergies between livestock and crop production for enhancing agro-systems circularity.</p>	<p>New management options to enhance agro-systems circularity based on the regional synergies between livestock and crop production – R3</p>
 <p>Pilot #3: Testing new solutions to increase circularity and mitigate GHG emissions.</p>	<p>Three new technologies to increase circularity and reduce GHG emissions – R1.</p> <p>One new controlled growth module – R4</p>

Workplan



Solution4Farming – main KPIs

Objective	KPI
O1	At least 2 systems analyzed (at farm and region level), at least 2 sectors considered
O2	At least 3 solutions developed (new liquid and solid fertilizers, new adsorbents for use in ammonium nitrogen removal) At least 3 climate area (Mediterranean, Continental, Arctic)
O3	At least 3 tools (DSS, system for monitoring parameters in Controlled Growth module, open LCA inventories)
O4	At least 3 Pilots will be implemented
O5	3 LCA corresponding to the pilots
O6	At least 3 events, 2 regional workshops, 150 interactions

Thank you !



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