OR IDEA TO REALITY: A 4-YEAR PROJECT



Economic feasibility study

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Partnerships, networ and communicatio

Initial discussions between the technology partners and the two bio-based fertiliser production pilot sites.

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Technology optimisation and laboratory testing.

Design of the pilot plants. Definition of the fertiliser requirements within the 5 regions.

Development of the methodology for the economic feasibility study

meeting with the European partners. Creation of the RUSTICA website, launch of the communication plan Definition of the intellectual property rules for the RUSTICA

project.

Market study for each region: agricultural production, waste and residue deposits fertiliser market, stakeholders.

Consortium meeting in Belgium. Creation of stakeholder groups in the 5 pilot regions and the launch of the first stakeholder workshops.

Analysis of the European regulations.

Development of 4 prospective scenarios for the development of the bio-based fertiliser sector First version of the business model for a bio-based fertiliser secto for each region

> Consortium meeting in Spain. Second regional workshops with stakeholders. Analysis of national and regional regulations.

Validation of the construction plans for each pilot plant. Analysis of the bio-based fertiliser building blocks Lab and pot experiments with the defined bio-based fertiliser blends.

Set-up of the two pilot plants. Final formulation of the building blocks for bio-based blends in each region. Production of the building blocks.

Trials conducted with solid and liquid fertilizers in each region >Flanders: solid (FL/01, FL/02) >Pays de la Loire: solid (PdL1, PdL3) and liquid (PdL4) >Friuli Venezia Giulia: solid (FVG5, FVG6) >Almería: solid (ALM/1B, ALM2) >Valle del Cauca: solid (VdC1, VdC2)

Business model robustness check First draft of the Life Cycle Assessment for the **RUSTICA** technologies.

Consortium meeting in the Netherlands. Third regional workshops with stakeholders. First recommendations for European policy makers.

Development of the regional business models (stakeholders, waste, logistics...)

Consortium meeting in Italy Fourth regional workshops with stakeholders.

Refinement of the business models with the regional stakeholders.

Consortium meeting in Spain. Fifth regional workshops with stakeholders.

Field trials conducted in each region on:

>Flanders: Cauliflower Pays de la Loire: Vine, cucumber, and tomato >ltaly: Vine >Spain: Tomato and cucumber >Colombia: Beans, corn, and tomato

Results and conclusions from the experiments

Business model validation with the regional stakeholders.

Consortium meeting in France Sixth regional workshops with stakeholders.

Final version of the Life Cycle Assessment, the life cycle costing and the business model Towards a bio-based fertiliser sector in the regions...

> Final conference in brussels Dissemination of the project results