OR IDEA TO REALITY: A 4-YEAR PROJECT

Technical feasibility study - (E):

Economic feasibility study

king

Partnerships, networ and communicatio

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

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 fo 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. econd regional workshops with the Valle del Cauca 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.

Experiments in the Valle del Cauca region for the agri-food sector: > solid fertiliser: bean, maize and pumpkin

in associated system (Milpa

In the other countries: field trials with solid fertiliser > Belgium: leek > Spain: tomato and cucumber

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

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

Development of the Valle del Cauca business nodel(stakeholders, waste, logistics...).

> Consortium meeting in Italy Fourth regional workshops with the Valle del Cauca stakeholders.

Refinement of the business models with the Valle del Cauca stakeholders.

Consortium meeting in Spain. Fifth regional workshops with the Valle del Cauca stakeholders.

Field tests in Valle del Cauca region > solid fertiliser: beans, maize and pumpkin in associated system

In the other countries: field trials with solid fertilisers: > Belgium: cauliflower > Italy: grapes > Spain: tomato and cucumber

Results and conclusions from the experiments

Business model validation with the regional stakeholders.

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

Consortium meeting in France. Sixth regiona workshops with the Valle del Cauca stakeholders.

Final conference in brussels issemination of the project results