



FACCE SURPLUS

SUSTAINABLE AND RESILIENT AGRICULTURE FOR FOOD AND NON-FOOD SYSTEMS

FACCE SURPLUS (Sustainable and Resilient agriculture for food and non-food systems) is an ERA-NET Cofund, formed in collaboration between the European Commission and a partnership of 15 countries in the frame of the Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI).

FACCE SURPLUS is committed to improve collaboration across the European Research Area in the range of diverse, but integrated, food and non-food biomass production and transformation systems, including biorefining. Among other things, the ERA-NET Cofund aims to support innovation and value creation from biomass and biorefineries and organises joint calls between funding bodies from Member States and the European Commission.

It contributes to the strategic objective of FACCE-JPI to build a European Research Area in the domain of agriculture, food security and climate change as well as to the scientific objective of enhancing resilience in agricultural production systems. In turn, this will contribute to tackling the Grand Challenge of ensuring food security and agricultural production in the face of climate change.

FACCE SURPLUS First call and Second call

The first call for transnational research projects was launched in January 2015 with an indicative total available budget amounted to 17M€. In November 2015, 14 projects were selected to receive funding in the frame of FACCE SURPLUS.

Recognising that other initiatives are considering the scope and application of large-scale biorefineries in the EU context, the second call of FACCE SURPLUS focuses on the small-scale biorefinery concepts and their potential role in enhancing the sustainability and productivity of EU agriculture, as well as their scope to benefit the rural economy. 10 partners joined this call for transnational research projects with an indicative budget of 6,25M€. The deadline for submission of pre-proposals was March 7, 2017, while the deadline for full proposal submission is July 17, 2017.

For further information please visit facesurplus.org and facejpi.com



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TSARA

Targets for Sustainable And Resilient Agriculture

Given our growing population, but limited set of natural resources including land, sustainable intensification (SI) of agricultural production on current agricultural land is becoming a key challenge. With additional pressures such as climate change, preservation of natural ecosystems and the need to grow fibre and fuel, pressure on agricultural production systems is immense and increasing.

The research project **TSARA**, funded within the frame of FACCE SURPLUS, investigates means to support the development of pathways to delivering to the UN Sustainable Development Goals (SDG, especially SDG2) and targets.

Having classified EU and NZ agricultural land-use and management into major types, the project will use models to forecast the outputs and wider impacts of agriculture over the next 15 years (for the SDGs) and up to 2050 for FACCE-JPI.

A series of tables, known as dashboards, will be set up that record the changes in indicators of sustainable agriculture in the EU and NZ needed to achieve the desired targets for SDGs by 2030. The approach is known as 'backcasting' and consists of setting out the expected or desired state of agriculture at some point in the future and then taking backward steps to see what conditions would have to be like at intermediate dates in order to achieve targets.

A range of alternative, perhaps radical pathways will be devised that explore and reduce the trade-offs between the delivery of improved food production, better environmental quality and social welfare in the EU and NZ bioeconomies as well as the social and political impediments along the way to achieving these.

TSARA thus iterates time-dependent pathways as well as helping with the setting of ambitious levels of delivery to SDG targets together with costs and benefits.

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Project partners: Institute for Sustainable Development and International Relations IDDRI, France; Wageningen University, The Netherlands and AgResearch, New Zealand.

Total funding: 905.000 €

Project period: 2016-2019

For more information, please visit: facceturplus.org/research-projects/tsara

