

D4.2: PROJECT WEBSITE (WWW.SUPREMA-PROJECT.EU)

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PROJECT Support for Policy Relevant Modelling of Agriculture (SUPREMA)

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DOCUMENT HISTORY

Version	Initials/NAME	DATE	COMMENTS-DESCRIPTION OF ACTIONS
0.1	Version 0.1	24/4/2018	Report on the launch of the website
0.1	Version 0.1	29/4/2018	Comments by Coordinator
0.2	Version 0.2	08/5/2018	Distribution to SUPREMA Partners
0.3	Version 0.3	22/5/2018	Distribution to PCT
0.3	Version 0.3	24/5/2018	Uploaded version

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Executive summary

Changes with respect to the DoA

No changes

Dissemination and uptake

The branded website (www.suprema-project.eu) was launched in January 2018. It targets partners and stakeholders of the SUPREMA project which are especially actors in the agri-food value chain (e.g. farmers, industries, NGOs and society, policy makers and public officials, scientific community) and the wider public and media as well. The website serves as hub for further dissemination activities. All public papers and presentations related to SUPREMA will be published on our website. Thus, it will provide a public record of all the project's activities and outputs.

Short Summary of results

At the launch, the website describes the set-up of the SUPREMA project. It is a central tool for dissemination, exchange and development of the consortium identity. Currently it covers information on the Project itself, the Partnership, the Output, a section 'Contact Us', and the Legal notice. With respect to the project description the website depicts Overview, Objective, Approach, Solution, and Work Plan. Within the duration of SUPREMA the project's website will also be extended when more information will become available.

Evidence of accomplishment

Report D4.2 and

web-link: www.suprema-project.eu

Glossary / Acronyms

As the document is being written, terms and glossary will be added here as needed. Before the last version is submitted this list will be re-arranged alphabetically by the lead author.

AGMEMOD	AGRICULTURAL MEMBER STATE MODELLING FOR THE EU AND EASTERN EUROPEAN COUNTRIES
AGMIP	AGRICULTURAL MODEL INTERCOMPARISON AND IMPROVEMENT PROJECT
BMEL	(GERMAN) FEDERAL MINISTRY OF FOOD AND AGRICULTURE
CAP	COMMON AGRICULTURAL POLICY
CAPRI	COMMON AGRICULTURAL POLICY REGIONALISED IMPACT MODELLING SYSTEM
DG	DIRECTORATE-GENERAL
DG AGRI	DIRECTORATE-GENERAL FOR AGRICULTURE AND RURAL DEVELOPMENT
DG CLIMA	DIRECTORATE-GENERAL FOR CLIMATE ACTION
DG ENV	DIRECTORATE-GENERAL FOR ENVIRONMENT
EC	EUROPEAN COMMISSION
FP7	FRAMEWORK PROGRAMME 7
GLOBIOM	GLOBAL BIOSPHERE MANAGEMENT MODEL
IFM-CAP	INDIVIDUAL FARM MODEL FOR. COMMON AGRICULTURAL POLICY ANALYSIS
IIASA	INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS
IMAP	INTEGRATED MODELLING PLATFORM FOR AGRO-ECONOMIC COMMODITY AND POLICY
JRC	JOINT RESEARCH CENTRE
MACSUR	MODELING EUROPEAN AGRICULTURE WITH CLIMATE CHANGE FOR FOOD SECURITY
MAGNET	MODULAR APPLIED GENERAL EQUILIBRIUM TOOL
MITERRA	INTEGRATED NITROGEN IMPACT ASSESSMENT MODEL ON AN EUROPEAN SCALE
NGO	NON-GOVERNMENTAL ORGANIZATION
SANCO	HEALTH AND CONSUMERS
SDG	SUSTAINABLE DEVELOPMENT GOAL

SLU	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES
SUPREMA	SUPPORT FOR POLICY RELEVANT MODELLING OF AGRICULTURE
THUENEN	JOHANN HEINRICH VON THÜNEN INSTITUTE
UPM	UNIVERSIDAD POLITÉCNICA DE MADRID
WP	WORK PACKAGE
WR	WAGENINGEN RESEARCH

1 Website

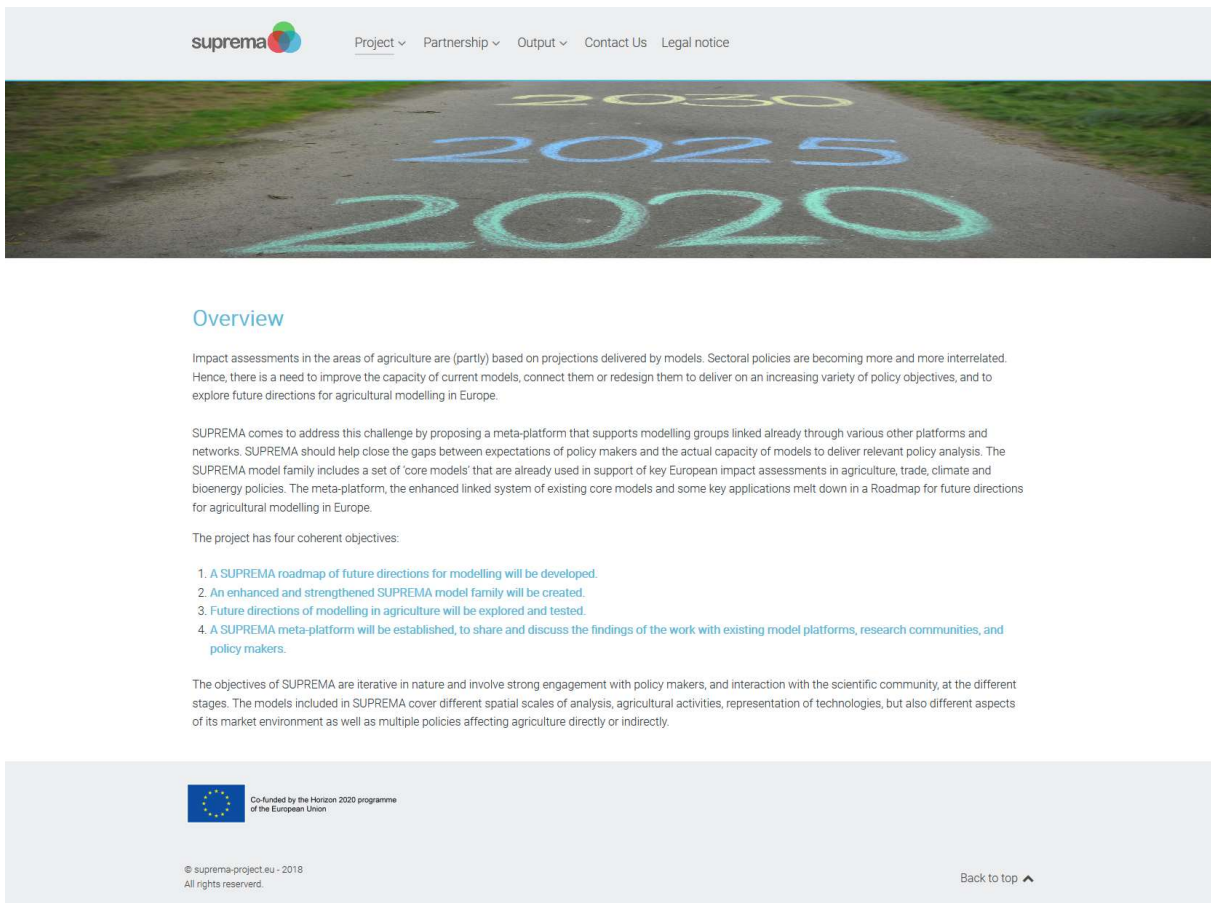
1.1 www.suprema-project.eu

At the launch, the website describes the set-up of the SUPREMA project. It is a central tool for dissemination, exchange and development of the consortium identity. Currently it covers information on the **Project** itself, the **Partnership**, the **Output**, a section '**Contact Us**', and the **Legal notice**. With respect to the project description the website depicts the topics **Overview**, **Objective**, **Approach**, **Solution**, and **Work Plan**. It will be extended later on when more information will become available.

1.2 Content of Website

1.2.1 Project

1.2.1.1 Overview



The screenshot shows the SUPREMA project website. The header features the SUPREMA logo and a navigation menu with links: Project, Partnership, Output, Contact Us, and Legal notice. The main image is a road with the years 2020, 2025, and 2030 painted on it. Below the image, the 'Overview' section is displayed. It contains text about the need for improved agricultural modelling and the SUPREMA project's goals. A list of four objectives is provided, followed by a paragraph about the project's iterative nature and engagement with policy makers and the scientific community. The footer includes the European Union logo, a note about Horizon 2020 funding, the copyright notice '© suprema-project.eu - 2018 All rights reserved.', and a 'Back to top' link.

Overview

Impact assessments in the areas of agriculture are (partly) based on projections delivered by models. Sectoral policies are becoming more and more interrelated. Hence, there is a need to improve the capacity of current models, connect them or redesign them to deliver on an increasing variety of policy objectives, and to explore future directions for agricultural modelling in Europe.

SUPREMA comes to address this challenge by proposing a meta-platform that supports modelling groups linked already through various other platforms and networks. SUPREMA should help close the gaps between expectations of policy makers and the actual capacity of models to deliver relevant policy analysis. The SUPREMA model family includes a set of 'core models' that are already used in support of key European impact assessments in agriculture, trade, climate and bioenergy policies. The meta-platform, the enhanced linked system of existing core models and some key applications melt down in a Roadmap for future directions for agricultural modelling in Europe.

The project has four coherent objectives:

1. A SUPREMA roadmap of future directions for modelling will be developed.
2. An enhanced and strengthened SUPREMA model family will be created.
3. Future directions of modelling in agriculture will be explored and tested.
4. A SUPREMA meta-platform will be established, to share and discuss the findings of the work with existing model platforms, research communities, and policy makers.


The objectives of SUPREMA are iterative in nature and involve strong engagement with policy makers, and interaction with the scientific community, at the different stages. The models included in SUPREMA cover different spatial scales of analysis, agricultural activities, representation of technologies, but also different aspects of its market environment as well as multiple policies affecting agriculture directly or indirectly.

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1.2.1.2 Objective



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Objective


Support for Policy Relevant Modelling of Agriculture (SUPREMA) is expected to increase and improve the capacity of existing agricultural models to answer the new policy questions, therefore better meeting the expectations by policy makers. SUPREMA is a meta-platform for agricultural modelling supported by three main pillars (needs, tools and testing), based on a stakeholder foundation to bridge the gap between expectations of policy makers and capacity of models.

The SUPREMA project has four coherent objectives:


1. A SUPREMA roadmap of future directions for modelling will be developed. The needs for improving the capacity of current models or a linked system of models to deliver on an increasing variety of policy objectives are defined. This science-policy interaction will bridge the gap between the expectations of policy makers and the capacity of models in a more complex environment by improving the mutual understanding and clarifying research needs and feasible strategies.
2. An enhanced and strengthened SUPREMA model family will be created. The performance and capacity of current tools, individually and as a linked system, will be enhanced in a few focus areas for integrating new policy challenges (e.g. climate change, SDGs, supply chains). The capacity of the modelling network will be strengthened by an enhanced infrastructure for database improvements and model interaction, strengthening of existing and establishing new linkages among models, targeted technical improvements and consolidation activities (i.e. model testing and versioning).
3. Future directions of modelling in agriculture will be explored and tested through scenario applications involving the SUPREMA models in a coordinated fashion. The testing will enable a better understanding of the functioning of the SUPREMA model family and the EU agricultural sector at different spatial scales (e.g. European, national, regional and farm level) for different applications. A baseline and two selected policy case studies will be implemented to showcase the potential and limitations of the model suite to represent different scales of agriculture, various agricultural activities, different aspects of upstream and downstream sectors, bilateral trade and multiple policies affecting agriculture directly or indirectly.
4. A SUPREMA meta-platform will be established, to share and discuss the findings of the work with existing model platforms, research communities, and policy makers. The SUPREMA meta-platform will be open towards existing platforms and policy makers and will host three science-policy workshops to discuss existing capacity in modelling agriculture, identify the needs for modelling and explore future directions for modelling.


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1.2.1.3 Approach


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Approach

SUPREMA should help close the gaps between expectations of policy makers and the actual capacity of models to deliver relevant policy analysis, addressing societal challenges towards European agriculture (climate change and low carbon economy, circular economy, land use, SDGs). The SUPREMA model family includes a set of 'core models' that are already extensively used in support of key European impact assessments in agriculture, trade, climate and bioenergy policies. The models are policy relevant and offer the perspective for improvements individually and especially as a linked system to cover a broad range of existing and newly emerging topics. The enhanced linked system of existing core models and some key applications melt down in a roadmap for future directions for agricultural modelling in Europe.

Several integrated model platforms are currently operational at the EU and global level (e.g. iMAP, AgMIP, MACSUR and GRA). While such platforms exist, there is insufficient modelling capacity and coordination to understand the challenges facing agriculture and the impacts of policies, including a lack of ground work on modelling alignment (i.e. rigorous comparison of model parameters and results) and streamlining of methods.


The objectives of SUPREMA are iterative in nature and involve strong engagement with policy makers, and interaction with the scientific community, at the different stages. Therefore, two key assets of SUPREMA to achieve the objectives are:

- i. active links to existing model platforms; and
- ii. specific focus on key policy models in the field of agriculture and the bioeconomy.


The models included in SUPREMA cover different spatial scales of analysis (grid, farm types, regional, national, European and global), agricultural activities (e.g. arable crops, livestock, horticulture), representation of technologies, but also different aspects of its market environment (linkages to upstream and downstream sectors and bilateral trade) as well as multiple policies affecting agriculture directly or indirectly.

Overall SUPREMA concept underpinning the project

Past impact assessments in the areas of agriculture, sustainable management of natural resources, food or climate change have been frequently based on a set of models that also provide the corner stones of the meta-platform envisaged in SUPREMA. SUPREMA includes well-known models, because they are able to address several critical issues at the same time while also offering a full coverage of the European Union or of the whole globe.


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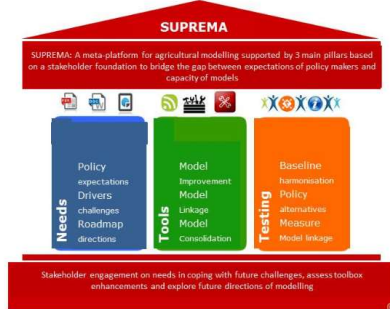
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Solution

Support for Policy Relevant Modelling of Agriculture (SUPREMA) comes to address these challenges by proposing a meta-platform that supports modelling groups linked already through various other platforms and networks. SUPREMA should help close the gaps between expectations of policy makers and the actual capacity of models to deliver relevant policy analysis, addressing societal challenges towards European agriculture (climate change and low carbon economy, circular economy, land use, SDGs). The SUPREMA model family includes a set of 'core models' that are already extensively used in support of key European impact assessments in agriculture, trade, climate and bioenergy policies. The models are policy relevant and offer the perspective for improvements individually and especially as a linked system to cover a broad range of existing and newly emerging topics. The meta-platform, the enhanced linked system of existing core models and some key applications melt down in a roadmap for future directions for agricultural modelling in Europe.

Several integrated model platforms are currently operational at the EU and global level (e.g. iMAP, AgMIP, MACSUR and GRA). While such platforms exist, there is insufficient modelling capacity and coordination to understand the challenges facing agriculture and the impacts of policies, including a lack of ground work on modelling alignment (i.e. rigorous comparison of model parameters and results) and streamlining of methods.



Meta-platform supported by three pillars

SUPREMA is expected to increase and improve the capacity of existing models to answer the new policy questions, therefore better meeting the expectations by policy makers. The project has four coherent objectives which respond to key operational challenges of the call:

1. A SUPREMA roadmap of future directions for modelling will be developed. The needs for improving the capacity of current models or a linked system of models to deliver on an increasing variety of policy objectives are defined. This science-policy interaction will bridge the gap between the expectations of policy makers and the capacity of models in a more complex environment by improving the mutual understanding and clarifying research needs and feasible strategies.
2. An enhanced and strengthened SUPREMA model family will be created. The performance and capacity of current models, individually and as a linked system, will be enhanced in a few focus areas for integrating new policy challenges (e.g. climate change, SDGs, supply chains). The capacity of the modelling network will be strengthened by an enhanced infrastructure for database improvements and model interaction, strengthening of existing and establishing new linkages among models, targeted technical improvements and consolidation activities (i.e. model testing and versioning).
3. Future directions of modelling in agriculture will be explored and tested through scenario applications involving the SUPREMA models in a coordinated fashion. The testing will enable a better understanding of the functioning of the SUPREMA model family and the EU agricultural sector at different spatial scales (e.g. European, national, regional and farm level) for different applications. A baseline and two selected policy case studies will be implemented to showcase the potential and limitations of the model suite to represent different scales of agriculture, various agricultural activities, different aspects of upstream and downstream sectors, bilateral trade and multiple policies affecting agriculture directly or indirectly.
4. A SUPREMA meta-platform will be established, to share and discuss the findings of the work with existing model platforms, research communities, and policy makers. The SUPREMA meta-platform will be open towards existing platforms and policy makers and will host three science-policy workshops to discuss existing capacity in modelling agriculture, identify the needs for modelling and explore future directions for modelling.



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Work plan

The main objective of the SUPREMA project is to establish and safeguard a meta-platform, in order to share and discuss the findings of the work with existing platforms. This science-policy interaction will bridge the gap between the expectations of policy makers and the capacity of models in a more complex environment. SUPREMA will be open towards existing platforms (e.g. IMAP, AgMIP, MACSUR, GRA) and will host two open-platform workshops to discuss challenges and needs in modelling agriculture, and explore future directions for modelling. SUPREMA comprises three interrelated work packages that go along with communication and science-policy interaction central to all phases of the project.

WP1 Challenges, needs and communication – topics for model improvements, applications and dissemination

WP1 will first draft a Scoping Paper with new challenges addressed in modelling and their consequences for model adaptations, enhancements or linkages of different models. This Scoping Paper is input for a first stakeholder workshop that is aimed 1) to prioritize the model improvements; and 2) to investigate gaps between expectations and current status-quo (baseline) models outputs and representation of value chain. Based on this information, narratives of impact analyses will be envisaged in three scenarios: a) baseline, b) CAP policy and c) climate change policies. The scenarios and narratives will be discussed in a second workshop. In order to increase transparency of models and its results and the reliability and acceptance in the scientific world, communication between modellers within and beyond the SUPREMA platform is managed. Three trainings are organized, while taking account of results from WP2. All findings on research needs that will steer the future policy relevant modelling of agriculture – including outcomes from WP2 and a third science-policy workshop from WP3 – will feed into the SUPREMA roadmap for future directions for agricultural modelling in Europe, which is the final output of the project. A last key activity of WP1 regards the outreach of projects concepts and findings at conferences, seminars, websites, policy briefs, etc., as well as to promote engagement of the envisaged SUPREMA meta-platform.

WP2 The tools – Model enhancement and integration

The aim of WP2 is to improve the capacity of the modelling network of the SUPREMA model family in order to achieve the required variety of policy objectives. First step is to develop an infrastructure that will enhance the harmonisation and data exchange across distinct models, based on previous experiences in projects and platforms, and findings from WP1. Second step is to strengthen existing and to establish new linkages among SUPREMA models in order to prepare for the envisaged scenarios in WP3. Though development of entirely new components is not foreseen in this project, the third step will ensure a series of targeted modelling improvements – in AGMEMOD, GLOBIOM, CAPRI and MITERRA – that are related to the activities in WP3. Testing and versioning of models is the important last step in the enhancing process as it is a precondition for reproducible results. This is especially the case if developments are distributed among large model network, like for CAPRI, MAGNET and AGMEMOD. Tested basic versions will improve the usefulness for European policy support and explore its capabilities.

WP3 Testing the SUPREMA model family

WP3 will apply the improved version of the models - from WP2 - in a coordinated manner for baseline projections and two relevant policy case studies to showcase the potential and limitations of the model suite to answer the policy needs as defined in WP1. The Baseline application will build on the updated databases and correspondence tables from WP2 for a common time-frame (probably 2030 for mid-term analysis, and 2050 for long-term analysis). For this test AGLINK-COSIMO and AGMEMOD play a leading role, but all SUPREMA models will be used and will ensure the use of harmonized assumptions of external drivers and report on a set of agreed indicators. The second application will be a medium term assessment of the EU agricultural policy and CAPRI, IFM-CAP and AGMEMOD-MITERRA-EUROPE play a leading role in this application. The third application will focus on a long-term assessment of climate change goals. GLOBIOM and MAGNET play a leading role in this application. The second and third tests will also be run with those models in the SUPREMA platform that have been identified as most relevant in WP1 and WP2. Convergence and diverging trends will be identified and documented in order to understand why models provide different results when evaluating policies. Further, it is analysed how different scales of models can be best combined to provide a comprehensive scenario assessment. At last, a methodology will be implemented that reflect the level of integration and alignment between models.

WP4 Project management and coordination

This WP aims to define and manage the overall project organisation ensuring a smooth and efficient running of the project towards its goals. The focus is on a timely delivery of quality output (including transfer of data), meeting the project budget and a timely reporting to the European Commission of the project progress and results. As SUPREMA is a multidisciplinary project requiring close cooperation and mutual learning between the modelling community and decision making, the project coordination and management is designed to support and actively facilitate the implementation of the project in this way. The activities in this WP will ensure fluent communication channels through discussions, consortium meetings and workshops. Further, the project management will 1) develop a branded website as a platform for internal and external communication; 2) define criteria regarding data governance, architecture, management, security and quality of data; and 3) review, compare and propose for a better governance of the SUPREMA models.



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1.2.2 Partnership

Stichting Wageningen Research



Company profile

Stichting Wageningen Research (Wageningen Research Foundation, WR) consists of a number specialised institutes for applied research in the domain of healthy food and living environment. WR collaborates with Wageningen University under the external brand name Wageningen University & Research. The research institutes involved in this proposal, Wageningen Economic Research and Wageningen Environmental Research, are two of the research institutes within the legal entity Stichting Wageningen Research.

WR has a strong track record of multidisciplinary projects and is involved in hundreds of EU-funded projects (FP7 and Horizon 2020) and many other large national and international research projects. One of the strengths of Wageningen University & Research (including WR) is that its structure facilitates and encourages close cooperation between the approximately 3000 experts from Wageningen University and various renowned research institutes. These institutes cover a wide range of expertise including food technology, plant, animal and economic sciences.

Wageningen Economic Research (formerly known as LEI Wageningen UR) is an internationally leading socio-economic research institute that offers governments and companies (socio)economic insights and integral advice for sound policies and better decision-making in an innovative way.

The strength of Wageningen Economic Research lies in developing new insights based on market intelligence (fact and evidence based information) and its integrated approach to issues. Wageningen Economic Research has a nationally and internationally proven track record and extensive experience in setting up and carrying out policy analyses, including social cost/benefit analyses, impact evaluations, and future studies, as well as market and chain research, consumer research and the development of monitoring system for industry. It relies on high-quality market and chain knowledge, a wide and international knowledge network, and unique data and models from the micro to the macro level. Among Wageningen Economic Research's clients are governments, the European Commission (amongst others to DGs AGRI, SANCO, MARE and TRADE), businesses and organisations. Also, the institute is performing an increasing amount of research and consultancy in developing countries. It has experience in leading large-scale international projects involving a number of different public and/or private parties.

Wageningen Environmental Research (Alterra) is a leading research institute in the area on 'our green living environment'. We offer a combination of practical, innovative and interdisciplinary scientific research across many disciplines related to the green world around us and the sustainable use of our living environment. Wageningen Environmental Research focuses on aspects such as flora and fauna, soil, water, climate, vegetation, land cover and land use, the use of geo-information and remote sensing, landscape and spatial planning, forestry, recreation and its governance. Wageningen Environmental Research engages in integrated research to support design processes, policy-making and management at the local, national and international levels. Wageningen Environmental Research has about 400 staff members and combines a wide range of expertise for integrated agri-environmental assessments, climate change impact assessment and for studies related to rural areas and their sustainable use. Wageningen Environmental Research has been partner or coordinator of a range of service contracts for the European Commission (DG CLIMA, DG ENV, DG ENERGY and DG AGRI) and in the Framework Programs.



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EuroCARE



Company profile

EuroCARE GmbH Bonn is a consultancy focusing on agricultural and environmental policy issues. The close interlinkage with the Institute for Food and Resource Economics, department Economic and Agricultural Policy, of the University of Bonn, guarantees academic collaboration on a high level. Project teams are selected according to requirements. Our expert pool consists of four permanent staff members, EuroCARE partners and other experts from EU Member States.

EuroCARE Bonn was founded in Bonn in 2000 as the successor of EuroCARE Luxemburg/Bonn, which had focussed on consultancy services for the European Commission's DG 'Agriculture and Rural Development' since the 1990. By now, EuroCARE's main customers are various public and private organisations that deal with agricultural and environmental policy or are affected by it.

EuroCARE analyses rely most frequently on applications of the CAPRI model. The comprehensive approach of the CAPRI model considers economic and environmental interrelations of production activities and their effects on markets in Europe and globally. The model integrates statistical and technical information from various sources, among which Eurostat is the most important one. Completed projects include outlook work for agriculture as well as several analyses of the potential effects, economic and environmental, of reforming the EU's CAP (Common Agricultural Policy) and environmental or climate policies.



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Thünen Institute



Company profile

The Johann Heinrich von Thünen Institute (TI) is one of four German federal research institutes under the auspices of the German Federal Ministry of Food and Agriculture (BMEL). The TI was created on January 1, 2008 from the German Federal Research Centre for Fisheries, the German Federal Research Centre for Forestry and Forest Products and part of the German Federal Agricultural Research Centre.

The TI, employing around 900 researchers, drafts scientific basics as decision-making helps for the policy of the German federal government and thus serves, with its application oriented and practice related research, the development of the society of tomorrow. In 14 specialized institutes TI pursues interdisciplinary research in the following areas: economics (micro and macroeconomics of agriculture, forestry, lumber, food and fish production), technology, material use of renewable natural resources, climate, biodiversity, organic farming.



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Sveriges Lantbruksuniversitet



Company profile

SLU develops the knowledge about how to use natural, biological land and water resources in a sustainable manner. Education, research and environmental monitoring and assessment are pursued at some thirty locations all over the country. The main campuses are Alnarp, Umeå and Uppsala.

SLU, department of economics, is part of AgriFood Economics center. AgriFood provides economic expertise in the fields of food, agriculture, fishing and rural development. The Centre, which consists of the Swedish University of Agricultural Sciences (SLU) and Lund University, is a platform for applied research. The aim is to supply government bodies with a solid foundation supporting strategic and long-term policy choices.



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European Commission



Company profile

As the European Commission's science and knowledge service, the Joint Research Centre's mission is to support EU policies with independent evidence throughout the whole policy cycle. Its work has a direct impact on the lives of citizens by contributing with its research outcomes to a healthy and safe environment, secure energy supplies, sustainable mobility and consumer health and safety. Through its Directorate for Sustainable Resource in Ispra and Seville, the JRC conducts research in the field of agriculture and the environment.

The JRC draws on over 50 years of scientific experience and continually builds its expertise. Located across five different countries, the JRC hosts specialist laboratories and unique research facilities and is home to thousands of scientists working to support EU policy.

While most of our scientific work serves the policy Directorates-General of the European Commission, it addresses key societal challenges while stimulating innovation and developing new methods, tools and standards. It shares know-how with the Member States, the scientific community and international partners. The JRC collaborates with over a thousand organisations worldwide whose scientists have access to many JRC facilities through various collaboration agreements. The JRC is a key player in supporting successful investment in knowledge and innovation foreseen by the Horizon 2020 Work Programme, the EU's programme for research and innovation.



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IIASA



Company profile

The International Institute for Applied Systems Analysis (IIASA) (www.iiasa.ac.at) is a non-governmental, multi-national, independent organization devoted to interdisciplinary, policy-oriented research focusing on selected aspects of environmental, economic, technological and social issues in the context of global change. IIASA's research is organized around fields of policy importance rather than academic disciplines. IIASA investigators perform interdisciplinary research that combines methods and models from the natural and social sciences in addressing areas of concern for all societies. IIASA is well-known for: energy, forestry, population, climate change, risk and vulnerability, adaptation and mitigation, technology, air pollution, land use, and mathematical. Special emphasis is put on supporting policy makers in developing rational, realistic and science-based regional, national and global strategies for the production of food, feed, fibre, and bio-energy that sustain ecosystem services, safeguard food security, and promote rural development. IIASA is in particular actively involved in economic research on the food and agricultural system at the European and at the global level. The land use model GLOBIOM has been used to support EU policies impact assessments for different directorates of the European Commission (DG CLIMA, DG ENV, DG ENER).



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Universidad Politécnica de Madrid



Company profile

Universidad Politécnica de Madrid (UPM) - Technical University of Madrid is the largest Spanish technological university. With two recognitions as Campus of International Excellence, it is outstanding in its research activity together with its training of highly-qualified professionals, competitive at an international level. More than 2,400 researchers carry out their activity at the UPM, grouped in 204 Research Groups, 19 Research Centers or Institutes and 55 Laboratories, all of them committed to transform the knowledge generated into innovation advances applied to the production sector, contributing to solve the challenges of the European citizens. The intense collaboration with governmental bodies and industry guarantees that research at the UPM offers real solutions to real-world problems.

UPM is an internationally leading centre in agroforestry research, with a strong commitment towards the transfer of knowledge to society. Research activities at the Department of Agricultural Economics focus on: (1) ex-ante and ex-post integrated assessment and modelling of agricultural and environmental policies; (2) analysis of the tradeoffs and synergies between economic development and environmental goals; (3) agricultural bioeconomics; and (4) water-energy-food nexus in a context of global change.




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1.2.3 Output

1.2.3.1 Papers


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Papers


The European Union flag, featuring a circle of twelve gold stars on a blue background.

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1.2.3.2 Presentations


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Presentations

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Meetings

Kick-off meeting took place on January 23 & 24, 2018, in Den Haag, the Netherlands

A summary of the discussions during the kick-off meeting of the project team (January 23 & 24, 2018) can be found [here](#)

1st Stakeholder Meeting “Needs” took place on March 1, 2018, in Brussels, Belgium

The 1st SUPREMA Workshop ‘Needs’ was established to understand better challenges and needs posed to the future development of models and model based support for policy actions from a stakeholder perspective. The focus is on agri-food systems and policies influencing the agri-food system locally, nationally and at global scale. Two objectives were addressed from a policy perspective: We aimed to capture views of stakeholders on the future societal challenges of the Common Agricultural Policy (CAP) and other related policy areas as well as to identify stakeholder needs for model-based analysis (both medium-term until 2030 and long-term until 2050) which may affect future agri-food systems and may require adaptations in model based policy analyses for an evidence-based decision making.

- Agenda of the Workshop can be found [here](#)
- Stakeholders and modellers in discussions:



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Work-Package 4

Deliverable D4.1

This deliverable reports on the progress in SUPREMA during the first three months of the project. It includes a summary of the discussions during the kick-off meeting of the project team (January 23 & 24, 2018), the meeting of the Executive Board (24 January 2018) and the first meeting of the External Advisory Board (March 1, 2018). The challenges to SUPREMA include:

- Policies have had to widen the scope of their main objectives to take account of new challenges: (i) climate change (Paris agreement, COP21); the Sustainable Development Goals (SDGs); and (iii) new issues of interest (e.g. the working of supply chains)
- Policies be informed by model outputs (Impact Assessment)
- Current models are not able to deal with the increasingly complex environment (interlinkages) and the broader scope.
- Research needed to reduce the gap between the expectations of policy makers and the capacity of existing models.

SUPREMA delivers a roadmap for future directions for agricultural modelling in Europe. Our solution is:

- SUPREMA establishes a meta-platform that supports modelling groups linked already through various other platforms/networks.
- The SUPREMA model family includes a set of established 'core models'. The models are policy relevant and offer the perspective for model enhancement and an enhanced linked system in a few focus areas to answer new policy questions and therefore better meeting the expectations by policy makers.
- Future directions of modelling will be explored and tested through coordinated scenario applications (baseline, policies).



[Deliverable D4.1 \(PDF\)](#)



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1.2.5 Legal notice

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