



BATModel

better agri-food trade modelling for policy analysis





Better Agri-food Trade **MODELLing** for policy analysis (2020-2024)

Aim

The overarching aim of BATModel is to improve the modelling of agri-food trade policies in existing tools and approaches by capturing both the characteristics of agri-food trade and the trade policy measures specific to the agri-food sector.

These improvements will also provide new detailed insights into the impacts such as the distribution of gains and losses of trade agreements between and within member states, sectors and agents.

To achieve these aims, BATModel will develop deep collaboration and foster joint work between the modelling and econometric communities.

Specific Objectives

- 01** Extend and improve existing simulation models for the analysis of agri-food trade policies (CAPRI, CGEBox, MAGNET, MIRAGE, etc)
- 02** Improve the representation of important agri-food trade features as the management of zero trade flows, the quality differentiation and global value chains.
- 03** Design and provide a new toolbox of modules to analyse trade policy measures such as NTMs and GIs consistently.
- 04** To better address societal concerns with regard to sustainable development goals: employment, working conditions, health and income distribution.
- 05** Test improved and extended models to deliver operational modular modelling tools for quantitative policy analyses.
- 06** Ensure that the model improvements achieved in BATModel can be used in a modular way in multiple well established trade models.
- 07** Develop methodologies and related indicators to assess the (positive and negative) impacts of international agri-food trade policies on societal challenges.
- 08** Share and discuss the approaches and findings of the project with research communities



TARGET GROUPS



Policy-makers



Researchers and Educational sector



Private Sector



NGOs



General Public

IMPACTS



Improvement of the capacity to model policies (NTMs, GIs), dealing with agriculture and related natural resources, food and international trade



Address societal issues (SDGs, environment or labor issues)



Strengthen competitiveness and growth of companies and create new market opportunities



Improvement of the policy-design, impact assessment and monitoring



Innovation capacity building

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GABE - Centre for Applied Agricultural Economics with
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**16 Organisations and
Research Institutes**



**11 European
countries**



4 Years (2020-2024)

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