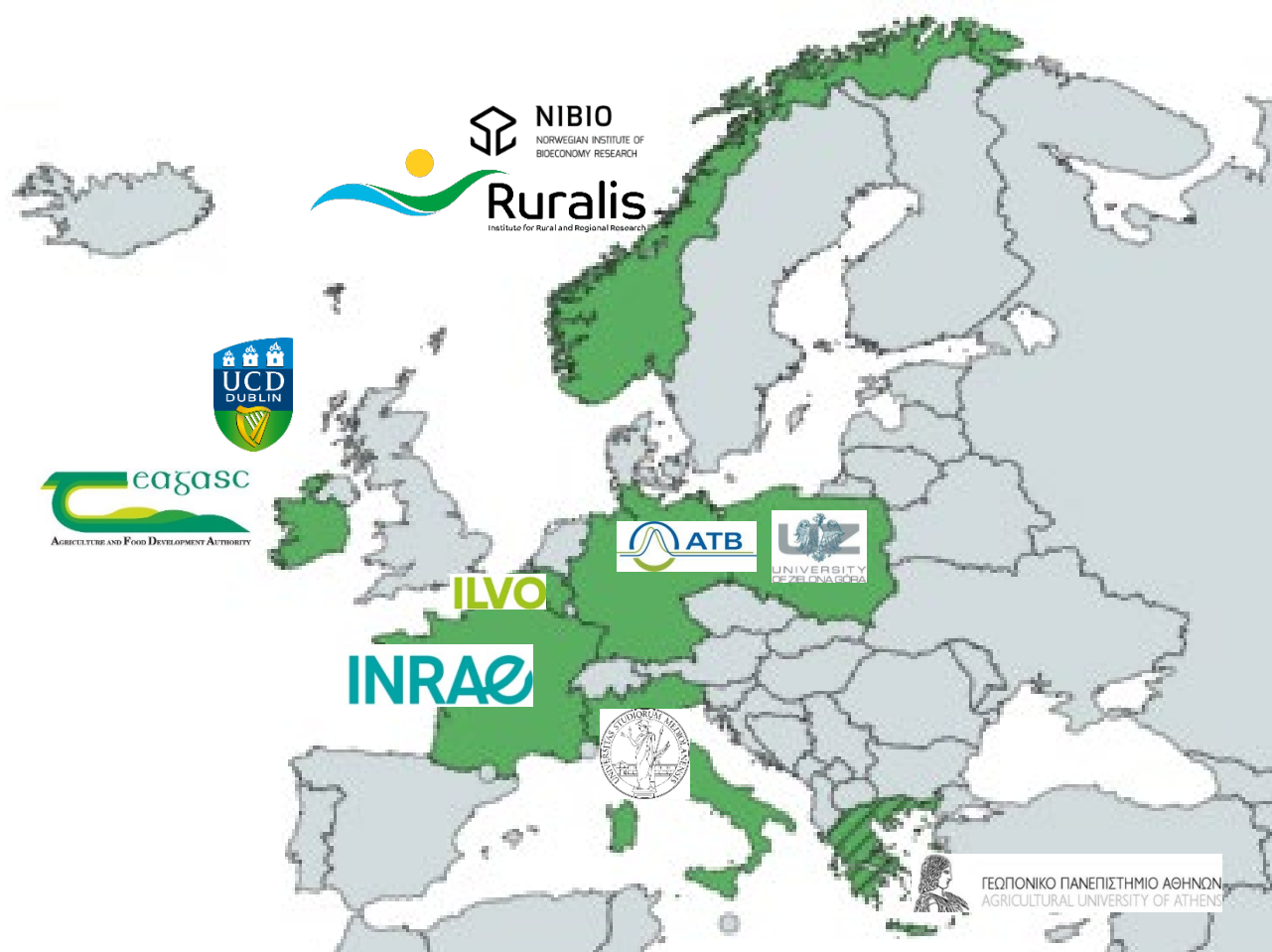


DairyMix: multi-criteria assessment, decision support and management tools for sustainable circular mixed farming systems for dairy production



DairyMix project



Project duration: March 2022 – March 2025

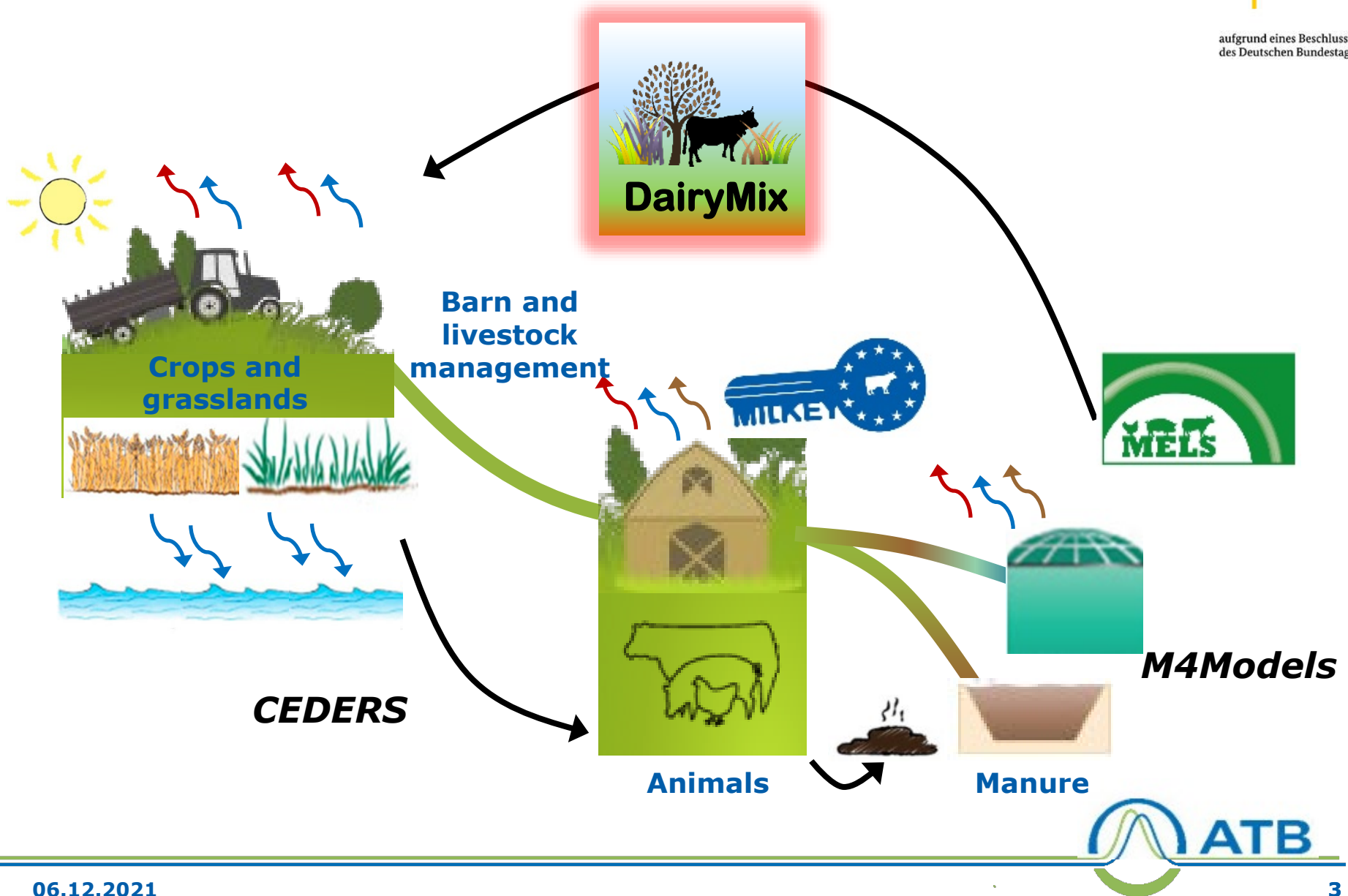
Sustainability and Nutrient Circularity

FACCE Joint Call projects

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages



DairyMix objectives (1/2)

- DairyMix will develop ***sustainable circular mixed farming systems for dairy production*** that reduce external inputs (such as concentrates and mineral fertilizers).
- DairyMix will:
 - Refine the prototype of a low cost modular sensor framework and install it on case study farms for online emission control, monitoring and management of barn climate, and improved animal welfare, developing a concept for an EU Level Emission Database (EULED)
 - Assess the status of crop-livestock-forestry integration of European dairy production systems (DPS) using case study farms and Eurostat data, and identify options to increase it, aiming to reduced GHG emissions and improved environmental, economic and social sustainability

DairyMix objectives (2/2)

➤ DairyMix will:

- Develop concepts for circular carbon and nutrient flows, protein self-sufficiency and improved manure utilization for characteristic farm typologies
- Use multi-criteria assessment, and develop decision support, modelling and management tools for sustainable circular mixed farming systems for dairy production
- Identify trade-offs and synergies between sustainability indicators of integrated crop-livestock-forestry systems
- Implement the results on a long-lasting platform for dissemination and stakeholder interaction, integrating the multi-criteria assessment in relation to various mixed farming systems targeted to key European regions

DairyMix workflow

