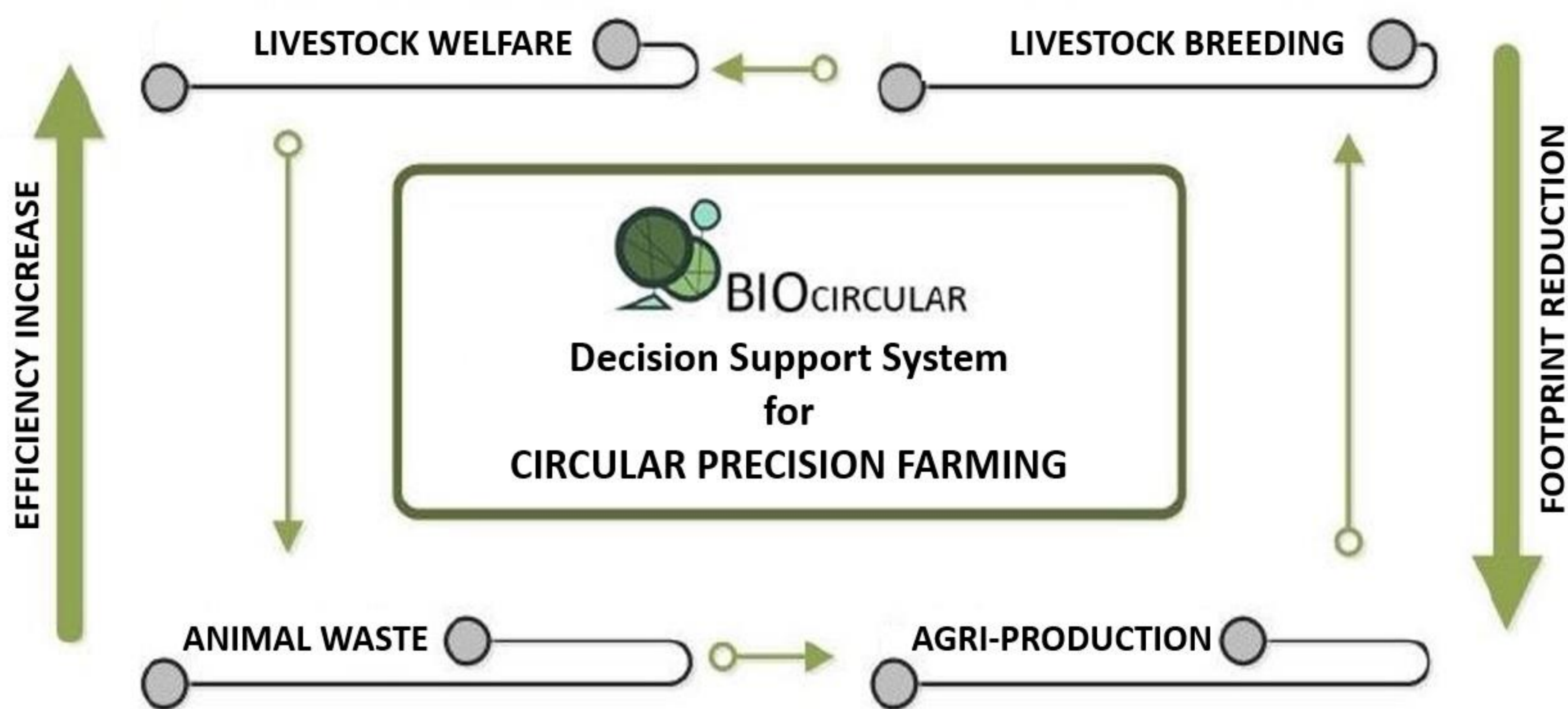
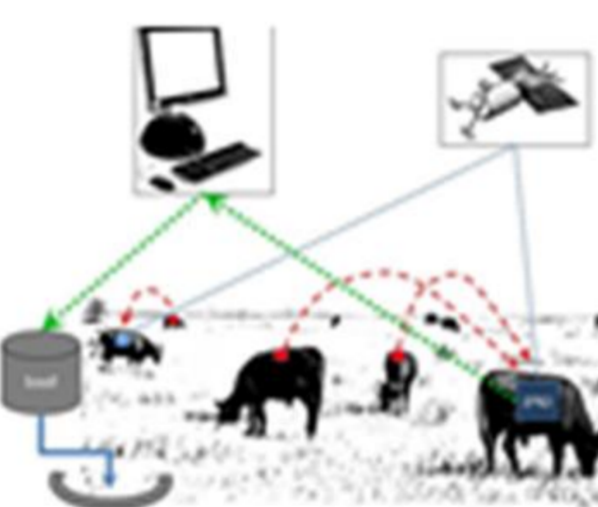
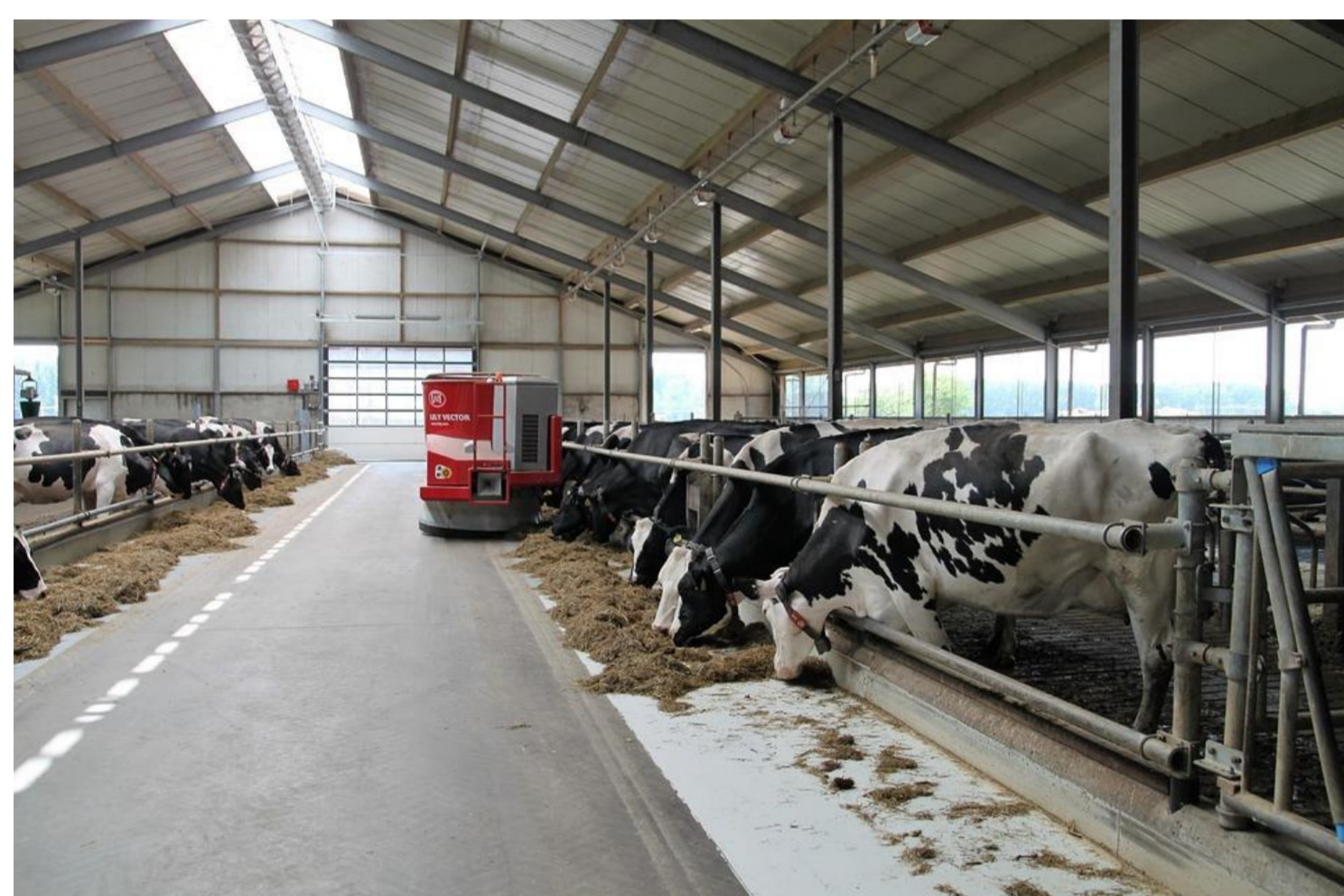


Bioproduction System for Circular Precision Farming

BIOCIRCULAR aims to tackle major issues in inefficient and unsustainable farming practices leading to inappropriate application of resources such as artificial fertilisers, non-optimised value chains in the production system, and insufficient data handling and processing. This will be aimed through the incorporation of smart farming and smart processing processes into an integrated system for the optimal management of a middle-sized farm and the minimization of its carbon footprint.



BIOCIRCULAR will bring together novel ICT and cross-border multidisciplinary expertise in precision farming and aims to develop economically viable advanced smart technologies and software integrating multiple levels of farm decision making, considering and integrating business intelligence, Systems Engineering, Future Internet and Data Informatics disciplines, within a whole systems framework.



The benefits of the BIOCIRCULAR project are summarized in the following sections:

- Production of innovative software and tools based on modern ICT to help farmers and dairy farmers in strategic, tactical and operational decision making,
- Vertical integration of businesses and production of attractive dairy products with low environmental impact ("green" products)
- Improving the efficiency of agricultural production in relation to quantity, quality, environmental performance and corporate social responsibility,
- Promoting synergies between the stages and the actors involved in the agricultural economy,
- Creating high-skilled human resources for precision agriculture,
- Analyzing consumer requirements to better satisfy them, mapping the milk market with emphasis on environmental certified products, providing their market sustainability assessment data.

Project Partners



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Contact:

Prof. Dionysis Bochtis

Director

d.bochtis@certh.gr

+30 2310 498 107



CERTH
CENTRE FOR
RESEARCH & TECHNOLOGY
HELLAS



Institute for Bio-economy & Agri-technology

iBO | CERTH

6th km CharilaouThermi Rd.

57001 | Thermi | Thessaloniki | Greece

www.ibo.certh.gr | www.certh.gr