



4/5

CURRENT TRL
& TARGET TRL

15%

PREDICTED INCREASE
IN FARMERS' REVENUE

PROFIT

IMPROVING



COUNTRIES



PARTNERS



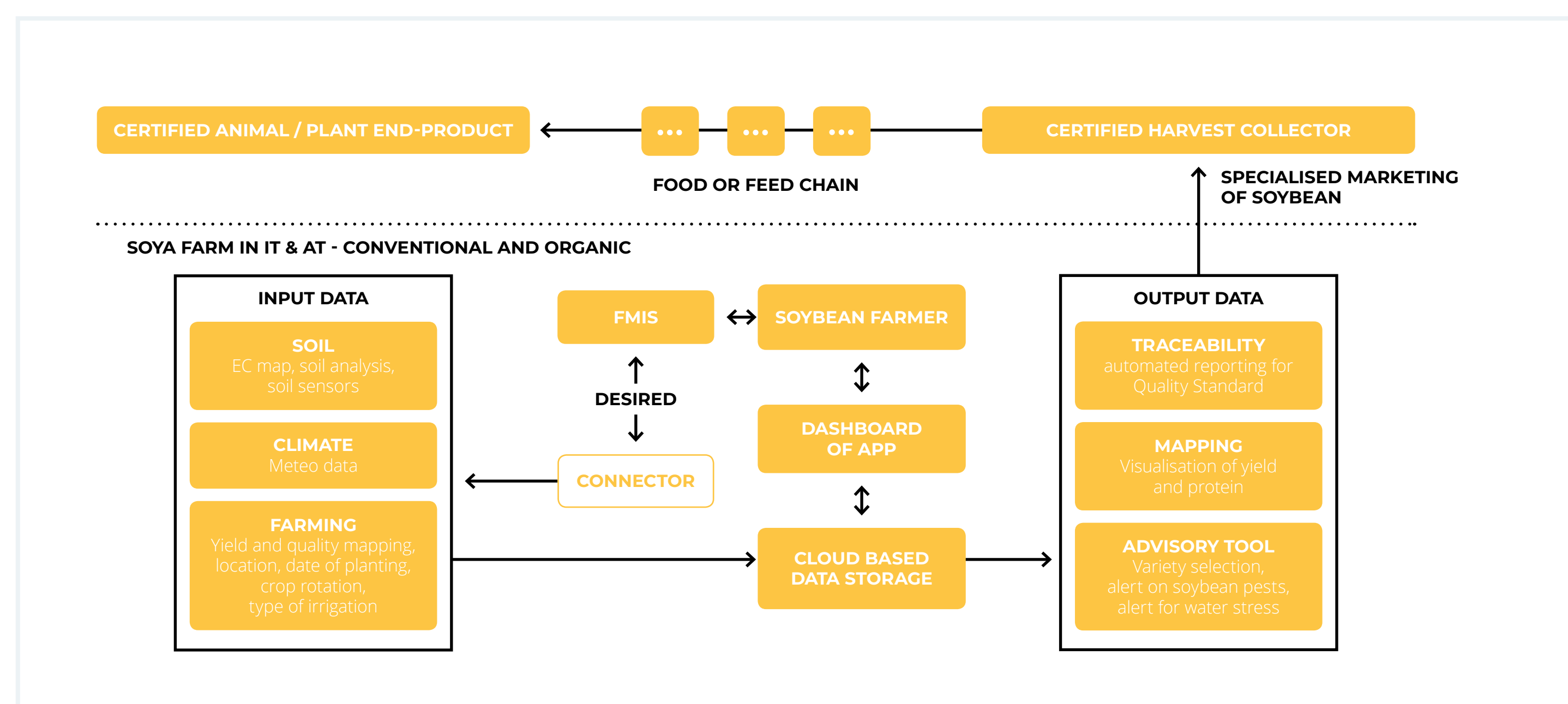
1.3 SOYA PROTEIN MANAGEMENT

Soybeans are a major source of high-protein food and feed for livestock. At the moment the EU is highly dependent on imports from foreign soya producing countries. This is now changing and an increasing number of farmers is starting to produce soybeans as protein crop.

IoT technology will connect various sources of data and information to advise producers and enable traceability for certified value-chain to improve the transparency of plant and animal food products.



HOW IT WORKS



An application which supports farmers to grow high-quality soybeans and market them. The application contains an advisory tool and a basic traceability tool. The advisory tool will combine soil, climate and farming information from sensors and from third parties, both private and public. Furthermore, we seek to explore opportunities to create a web-based platform for soybean crop where all actors of the supply chain can find information and share knowledge.

THE IMPACT

OUR OBJECTIVES

- Higher protein yields (+5%) in soybean production by using the best available genetics and by making use of environmental and agronomic IoT data,
- Increase marketing possibilities and consumer trust into certified products.

ON ECONOMY

- Improved soybeans yield and quality (+5%),
- Enhanced transparency along the value chain of plant and animal-based food products to enable farmers and industry to obtain premiums.

ON ENVIRONMENT

- Increase consumers trust in food products by improved transparency (+5%),
- Enhance irrigation water efficiency (+5%) by an integration of soil moisture sensors.