



6/8

CURRENT TRL
& TARGET TRL

104

WEEK LONG PROJECT

25

STAKEHOLDERS
EVALUATED

> 1,500

FARMERS
ACROSS THE EU
REACHED

COUNTRIES



PARTNERS

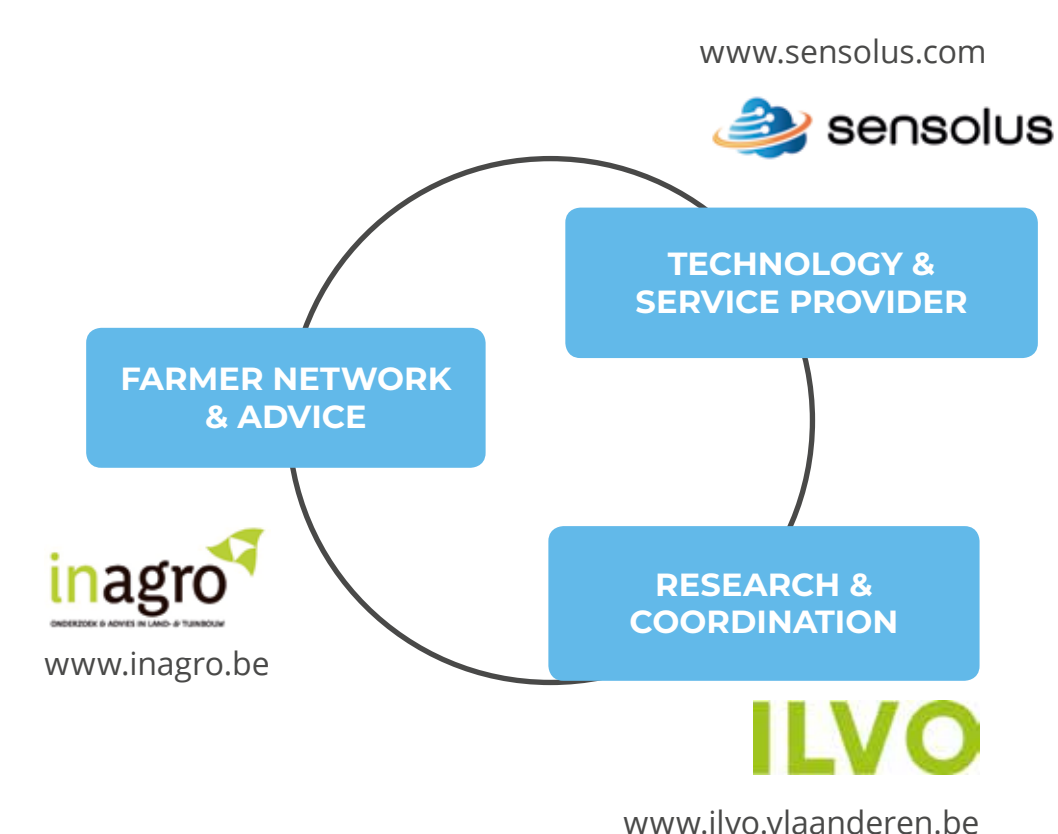
ILVO



2.1 GRAZING COW MONITOR

The Grazing cow monitor digitally monitors cows' grazing time and grazing location providing an easy way to generate digital reports for farmers, legal controllers and dairy processors. This is important to verify the state and location of cattle, pasturing for ammonia emission reduction and labels of 'milk from pasture'.

The system uses the STICKNTRACK low-power indoor-outdoor tracking service that combines the LPWAN SIGFOX network with BLE technology to track individual cows and measure their pasturing time. The system can also track extensively grazed livestock such as dairy cows, beef cattle, horses, sheep, and reindeer, but can also track wildlife.



HOW IT WORKS



- A STICKNTRACK GPS-tracker is attached to the collar of each tracked animal
- Bluetooth Low Energy beacons are placed inside the dairy barn
- Clear insights and digital reports on the location of every animal will be available in the management platform

THE IMPACT

OUR OBJECTIVES

The grazing monitor will be tested at two dairy farms (100 dairy cows each) and demonstrated at five dairy farms in Belgium and the Netherlands.

ON ECONOMY

Eliminating manual record keeping will reduce farmer labor time by at least 10 %. Dairy processors can rely on digital reports, eliminating costly on-farm audits.

OTHER IMPACT

The technology will have 85 % accurate classification of inside/outside animal presence. Trough dissemination activities over 1500 farmers and stakeholders will be reached EU-wide.