



6/8

CURRENT TRL  
& TARGET TRL

90 WEEK

LONG PROJECT

25

STAKEHOLDERS  
EVALUATED

> 1,500

FARMERS  
ACROSS THE EU  
REACHED

COUNTRIES



PARTNERS

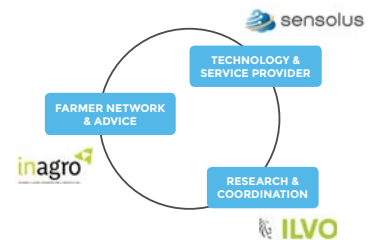


# 2.1 GRAZING COW MONITOR

The Grazing cow monitor will provide an answer to:

- Where is my cow in the group?
- How many hours is my livestock on pasture or inside?
- How active is my cow?

STICKNTRACK is a low-power combined indoor-outdoor tracking service that combines the LWPAN SIGFOX technology with the BLE technology. The existing solution will be taken into the agricultural domain as a solution to track cows and to measure the number of hours on pasture for individual cows. This is important for ammonia emission reduction and to verify the access to pasture for labels of 'milk from pasture'.



## HOW IT WORKS



Every cow will be equipped with the GPS-tracker stickntrack (IoT device), in combination with BLE tags (IoT device) that will be placed in the stable, clear insights on the location of every cow 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

Profitability of the sensor will be determined by cost-benefit analysis and trade-off with accuracy, number of cows tracked. Interest of 25 stakeholders will be assessed

### OTHER IMPACT

Technology will have 85 % accurate classification of in/outside.