



**5/8**  
CURRENT TRL  
& TARGET TRL

**+ 5%**  
PRODUCTION  
CROP/M<sup>2</sup>

**- 5%**  
WORK TIME

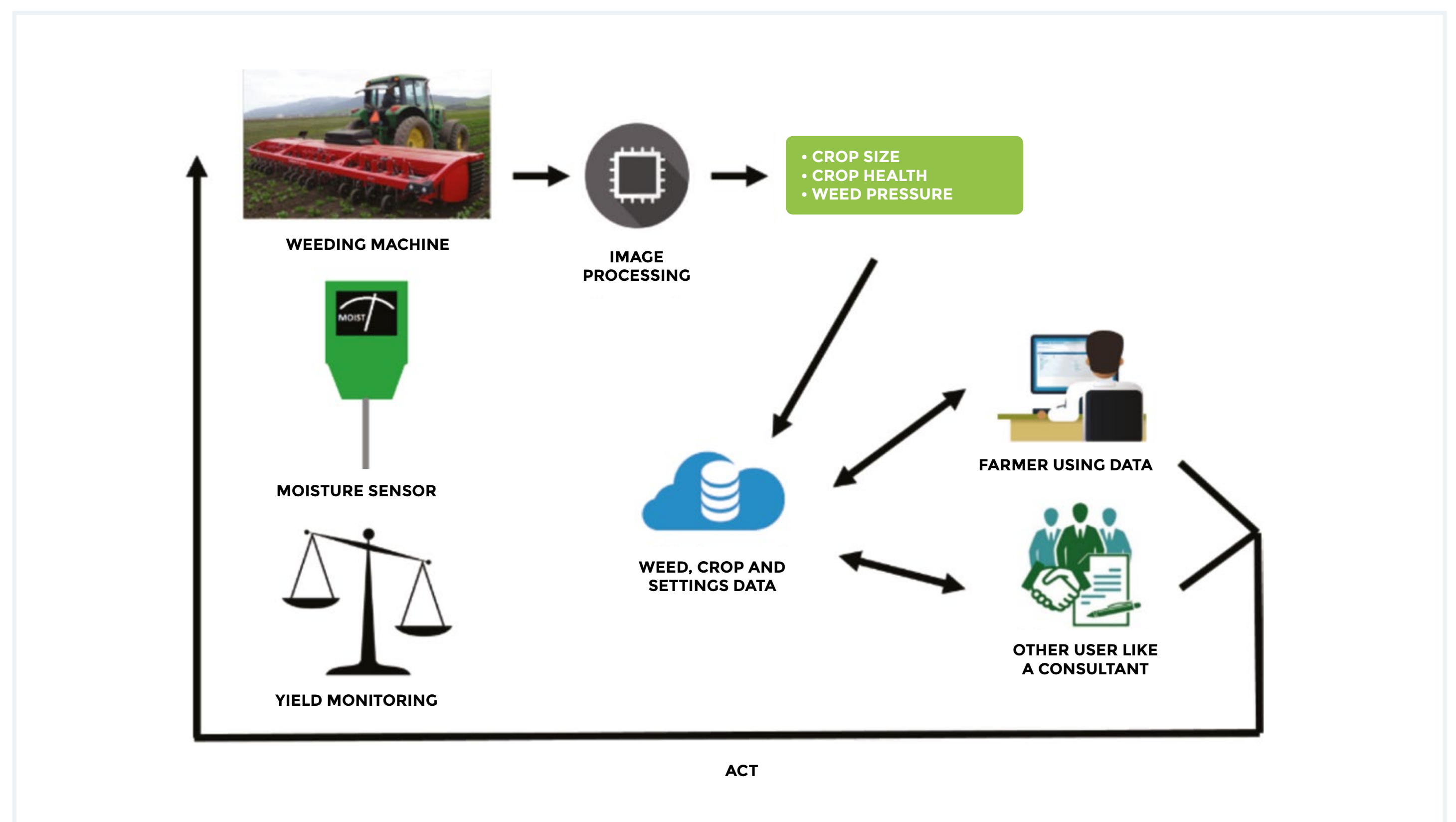


# 4.3 ADDED VALUE WEEDING DATA

Weeding is one of the most important and frequent activities in organic vegetable farming. Since a few years automated intra row weeding machines entered the market based on machine vision, to detect the crop and weeds. To get the (organic) production to a higher level, the farmer needs site specific information about his crop. Therefore, data on crop, field and weather need to be gathered. As the farmer needs to perform multiple tasks, the decision support for crop management needs to be user-friendly. By using IoT devices we can easily combine multiple data sources to support the grower.



## HOW IT WORKS



### COUNTRIES



### PARTNERS



The main component is the camera system in the Steketee machine, which will acquire the images that will be processed. The data gathered from the images will be supplemented with yield and field data.

## THE IMPACT

### OUR OBJECTIVES

Through improved crop and field monitoring, resulting in better field management we aim to reduce the labor required for organic crop production, while improving the yield.

### ON ECONOMY

- Crop yield +5%,
- Sales turnover +5%.

### OTHER IMPACT

- Work time -5%,
- Prediction uncertainty -10%.