

Selected innovation: TAMHO weather stations

Country of origin: the Netherlands

### **Why this innovation**

The information provided in the video of this case mentioned the educational dimension this project has. As an educational scientist I found this aspect very interesting and made me want to explore this case further.

### **Type of innovation**

The innovation involves a re-design of weather monitoring sensors. The sensors are designed in such a way that they are cheaper to produce and require less maintenance. Although no local entrepreneurs are involved, the program features an educational component in which local schools can adopt a weather station which can be used in the curriculum.

### **Target group**

The target audience of this innovation can be divided in three groups: local farmers, climatologists and students. Local farmers are benefiting from the innovation by receiving more accurate weather forecasts. This information can be used to increase agricultural yield. Climatologists benefit by receiving more local information. This information can be used to better forecast global weather patterns. Students will be enabled to gain valuable knowledge on weather forecasting and using sensors.

### **Contribution to inclusive development**

The extent to which this innovation contributes to inclusive development is rather limited. The design of the weather stations is mostly done by engineers from western countries and development is not carried out by local manufacturers. However, maintenance of the stations is carried out by local employees and the educational program attached lead to better inclusion as it allows for local development.

### **Responsible innovation or not**

I would classify this innovation as an responsible innovation for the following three reasons: the lack of safety risks involved, the lack of pollution, the inclusive development (see above). Given the low-tech nature of the solution no safety risks are involved and low pollution is caused by the innovation. This, combined with the inclusive development this innovation causes makes it a responsible innovation.