Development and piloting of Maize Nutrient Manager mobile decision support tool

**Project Title:** P250 - Bringing CSA practices to scale: assessing their contributions to narrow nutrient and yield gaps

**Description of the innovation:** To accelerate nutrient management advice to smallholder farmers, a new mobile phone app has been developed and successfully piloted among more than 3000 farmers in the Southern Highlands of Tanzania

**New Innovation:** Yes

**Stage of innovation:** Stage 2: successful piloting (PIL - end of piloting phase)  
**Innovation type:** Other

**Geographic Scope:** National  
**Number of individual improved lines/varieties:** <Not Applicable>

**Country(ies):**  
- Tanzania, United Republic

**Description of Stage reached:** In two growing seasons, a successful pilot was run: 46 extension officers used the app to collect field-level management data, and advice more than 3,000 smallholder maize growers on their nutrient and associated crop management. The app targets smaller yield gaps, high N use efficiency and low GHG emissions.

**Name of lead organization/entity to take innovation to this stage:** WUR - Wageningen University and Research Centre

**Names of top five contributing organizations/entities to this stage:**  
- TARI - Tanzania Agricultural Research Institute

**Milestones:**  
- Technical and policy guidance on more efficient management options with mitigation co-benefits, including impacts on women, synthesized and disseminated to focus countries, supply chains and donors

**Sub-IDOs:**  
- 8 - More efficient use of inputs  
- 30 - Reduced net greenhouse gas emissions from agriculture, forests and other forms of land-use (More sustainably managed agro-ecosystems)  
- 10 - Closed yield gaps through improved agronomic and animal husbandry practices

**Contributing Centers/PPA partners:**  
- WUR - Wageningen University and Research Centre

**Evidence link:** https://hdl.handle.net/10568/110705
**Deliverables associated:**
- D17623 - 6.6 NWO-GCP4: Content development for field-specific, climate-smart, balanced nutrient management advisory tool in Tanzania. (https://tinyurl.com/y7kcf2o4)

**Contributing CRPs/Platforms:**
- CCAFS - Climate Change, Agriculture and Food Security
- Maize - Maize