



Project Title: Pest Risk Information Service (PRISE)

Reporter: Washington Otieno

Project Code(if applicable): N/A

Submitted Date: 2018-10-19

IC PROJECT REPORTING TEMPLATE

(ONLY TWO PAGES WILL BE ACCEPTED)

1. Project Profile	
Recipient Region(s)/ Countries	Africa (Ghana, Kenya, Zambia (+ Malawi & Rwanda starting 2019))
Donor/ Resource Partner	UK Space Agency
IC Representative (if applicable)	N/A
IPPC Secretariat Representation (if applicable)	N/A
RPPO Representation (if applicable)	N/A
Collaboration / Participating Organizations	CABI, Assimila, Kings College London, Centre for Environmental Data Analysis (CEDA) Plant Protection and Regulatory Services Directorate (Ghana), Kenya Agricultural and Livestock Research Organisation, Ministry of Agriculture, Livestock and Fisheries (Kenya), Zambia Agriculture Research Institute
Project Budget (detailed funds and/or in-kind)	General : GBP 5 million over 5 years; 20% cost sharing by BABI)
Project Timing	2017-01- 2021-12
2. Project Scope and Relevance to the IPPC	
<p><i>A five year project , funded by the UK Space Agency International Partnerships Programme using Earth Observation technology, Plant health modelling, and Real-time field observations (Plantwise plant clinics) implemented in Ghana, Kenya, Zambia, + Malawi & Rwanda</i></p> <p><i>Aims to build capacity to establish an early warning system to forecast the risk of pest outbreaks using space infrastructure, Earth Observation data and modelling techniques; crowd sourcing observations established to strengthen and validate the system; risk forecasts integrated into existing plant health systems, leveraging on networks in current programmes and projects, to trigger action to deliver alerts to stakeholders; in-country technical capacity to develop policies to strengthen crop protection through effective pest forecasting service that integrates innovative technologies that can be scaled to national, regional and global levels</i></p>	
3. Project Milestones and Deliverables [e.g. reports, manuals, workshops etc]	
So far only Internal workshop reports & information materials	
4. Expected Goals, Outcomes and Outputs of the Project [e.g. linking to ISPMs and/or IPPC Strategic Framework 2020-2030 priorities that the project will address]	

Pest risk forecasting system based on Earth observation (EO) and Plantwise data, and Pest risk predictions increase resilience of smallholder farmers to pest outbreaks.

5. Project Team and related Expertise [e.g. names and expertise]

Presented here by institution:

Kings College London (Martin Wooster): Earth observation data acquisition, processor development and information delivery

Assimila Jon Styles: System architecture and processing development; system operations, evaluation and refinement

CABI (Charlotte Day): Crowdsourcing research and development Pest model research and development; Knowledge Sharing, Adoption and Outreach; Service sustainability and business development; Monitoring & Evaluation; Project Coordination.

6. Project Beneficiaries [directly and indirectly (individual NPPOs, RPPO's, industry representatives, growing communities, exporters etc)]

Stakeholders in plant health including NPPOs and research organizations

7. Project Challenges and Successes

Successes: new models for pests e.g. fall armyworm, bean fly, cocoa mirids

Challenges: Expensive to run and slow uptake by national organizations

8. Project IPPC, IC, SC or IPPC Network Involvement [e.g. possible project collaboration with the relevant IPPC committees, networks, task forces and working groups]

NPPOs of implementing countries

9. Project Supporting Materials and Attachments [e.g. hyperlinks]

Project updates in CABI website: <http://projects.cabi.org/711/SitePages/Home.aspx>