

Presentation to GRA

Patricia Neenan

Head of Strategic Partnerships – the Americas

CABI





our mission

CABI is a not-for-profit international organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment





what does CABI do?

CABI addresses issues of global concern such as food security, through science, information and communication





CABI's mandate

"promote the advancement of agriculture and allied sciences through the provision of information, scientific and related services on a world-wide basis"



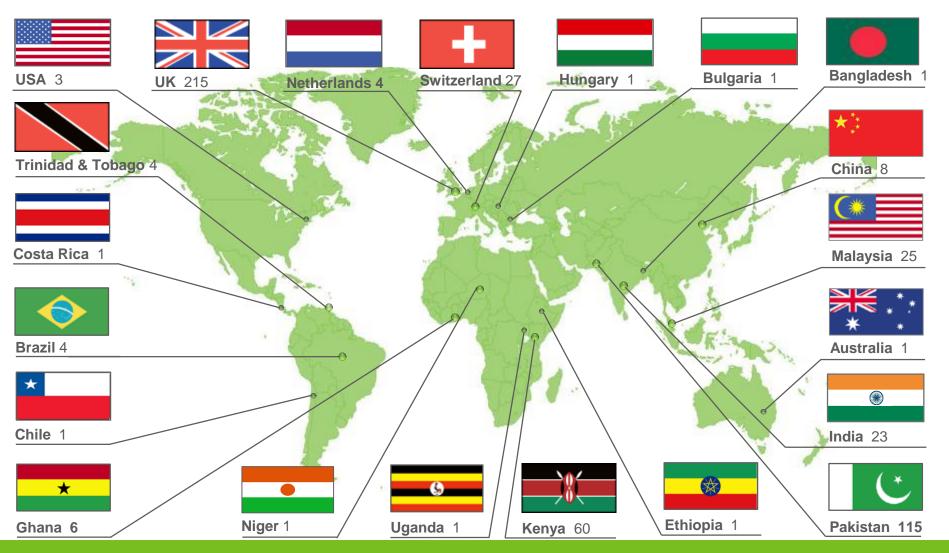


our member countries



Global reach

We have 500 staff across 21 locations worldwide







Knowledge and information

CABI publishes high quality scientific resources within the applied life sciences worldwide, including crop production and protection, animal production and health, forestry, environment, public health, etc

CABI focuses on research into use, working in partnership with relevant stakeholders to improve food and nutrition security as well as protect biodiversity and the natural resource base upon which rural livelihoods depend

With ICT innovations – mobile, e-clinics, apps – reach will accelerate

Big/Open Data insights, esp. supporting Trade







Knowledge management, communications and use

- We create, manage, curate and disseminate information
- We use ICTs to make information available to support farmers
- We integrate strategic communication into projects
- Two-way process using range of communication tools tailored to indepth understanding of the audience
- Behaviour change not just information dissemination, education, or awareness-raising
- From the beginning of the programme cycle NOT exclusively as a dissemination function at the end
- Ensuring that research makes a difference impact for donors!



Example 1 Plantwise







Knowledge Bank





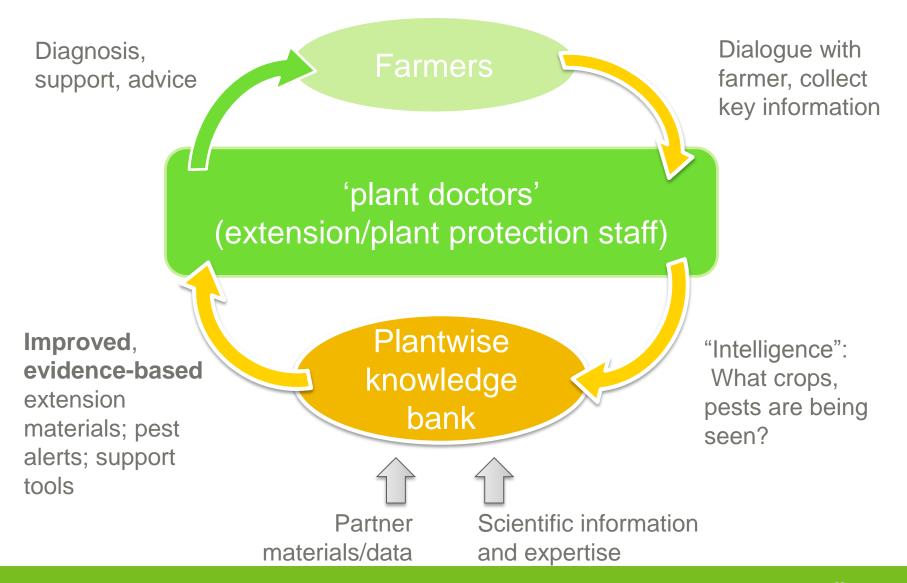
Example 1: Plantwise

- Plantwise trains plant doctors to take research from the laboratory to the field
- Plantwise Knowledge Bank offers tools and insights:
- Over 75,000 plant clinic records from 20 countries deposited in the Plantwise Online Management System
- An image-led diagnostic tool to help diagnose a problem
- Over 9,000 factsheets to provide practical information on pest management – 138,000 visits
- Global map to provide distribution information on over 2500 pests, each with source references
- Open Data Institute 2014 Open Data Award for Social Impact
- Launch of a Factsheet Library app, free for all with an Android device

www.plantwise.org/knowledgebank



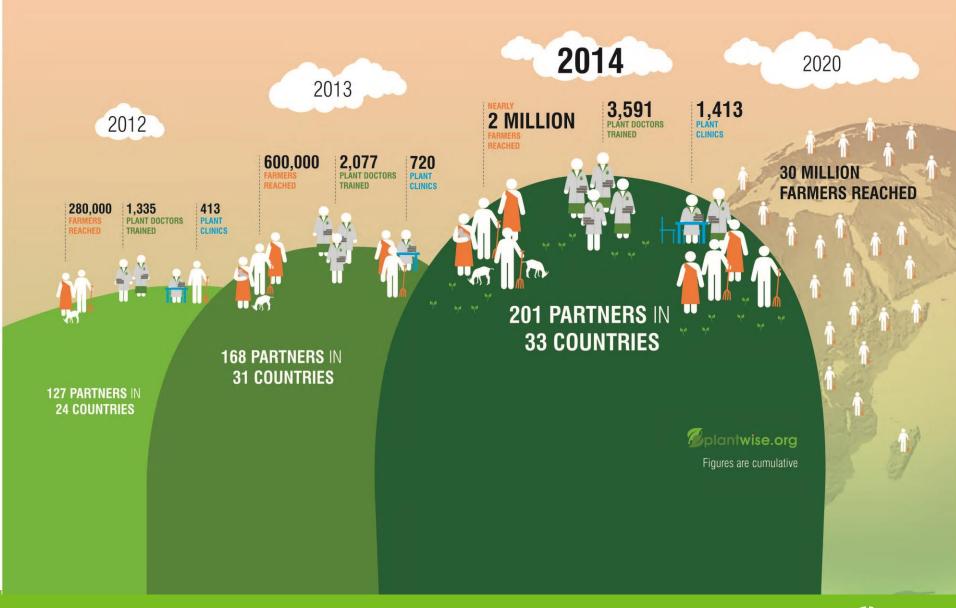
Information flow





34 Plantwise countries 2015









Use of mobile technologies – project goals:

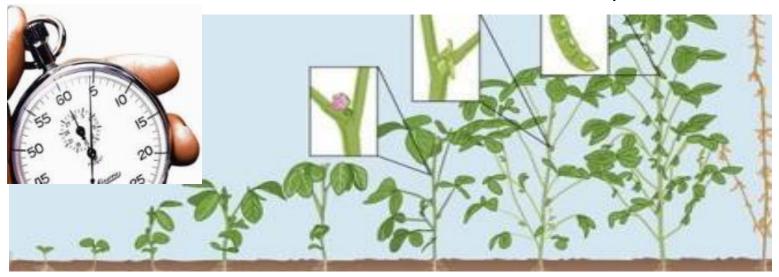
- Understand how mobile technologies can improve the current clinic model
- Use of tablets
- Improve the quality and speed of data collection and processing
- Improve the quality and breadth of advice available at clinics
- SMS messaging
- Increase clinic attendance
- Broaden reach of extension messaging



Success of Kenya Pilot 1

Speed of data management process

- Data comes in on the same day as clinics
- Can be on POMS in 2 weeks (average time for paper is 3 months)
- Quick enough to respond to new/emerging threats
- Harmonisation takes half the time, since form uses drop-down menus







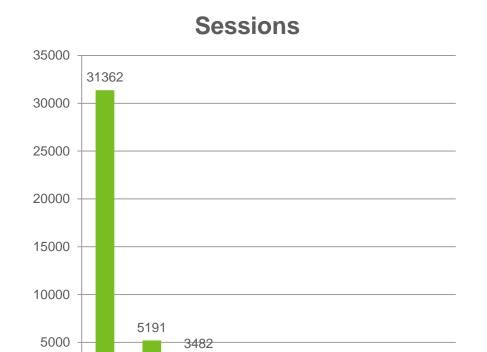
Success of Kenya Pilot 1

Ministry response

- Coordinates nicely with e-extension initiative and Kenyan approach to "digital government"
- Excited about getting pest information quickly enough to act
- Pilot data includes Tuta absoluta (not yet officially reported)
- Identified problem with maize smut and uncertified seed from e-clinic data
- Planning to showcase the e-clinics at Agritech-Africa International Conference



Success of Kenya Pilot 1



786

658

597

249

68

Plantwise Factsheet app

- 930 users (535 who have used it in the last month)
- 42,393 sessions
- Beta testing successful, feedback gathered
- Minor tweaks (improved language support), then official launch next month



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Relevance to GRA

- Available Plantwise repository with relevant content, Google translate and smart search functions and already in global use
- Process for development of Pest Management Decision Guides tried and tested, part-automation under development
- Process for development of "farmer factsheets" tried and tested, developed app through API mechanism for online and offline use (Google Play Store)
- Experience with Google Analytics to track what people do on websites, and some information about who they are and where they are from
- Ability to filter and present information and data effectively to different user groups: "improved user centred experience"

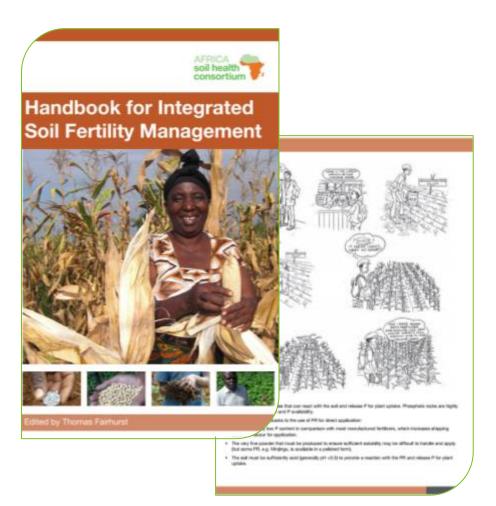


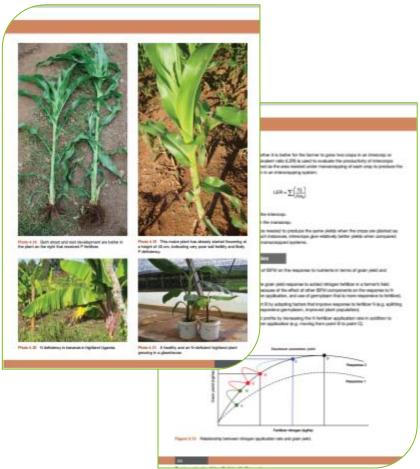
Example 2: Africa Soil Health Consortium





Example 2: Africa Soil Health







Client-oriented information materials





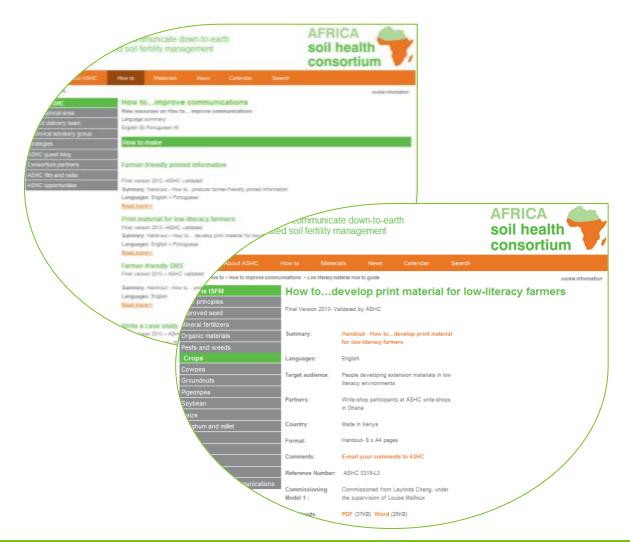


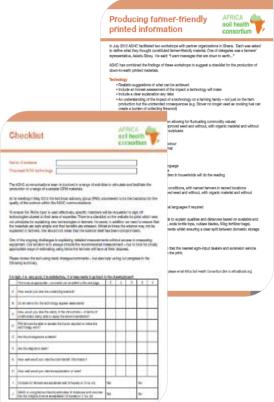
Innovative communications channels - youth





Relevance to GRA





Documentation of material development process guides and tools - see the 'How to...' section of the ASHC website

http://www.cabi.org/ashc





Ways in which we could collaborate with the GRA?

Publishing an open-access global knowledge hub on greenhouse gas emissions in agriculture: raising awareness through communications, case studies and papers

- Identifying best practices to allow implementation of management plans
- Building sustainable strategies for climate smart agriculture
- Providing assistance and advice as relevant to specific circumstances





Why work with CABI?

- International reputation for development of science-based information products
- >100 yrs experience in knowledge management of relevant subject areas and > 10 mill records in CAB Abstracts and Global Health
- CAB Thesaurus (controlled vocabulary) world's most-detailed semantic enrichment tool, with 400k named terms
- Broad international reach at many levels: government policy makers, academia, researchers, practitioners and farmers

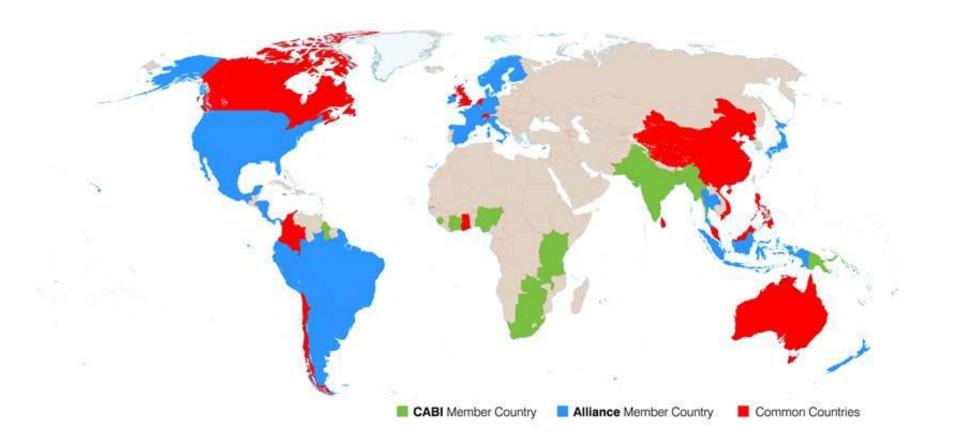




Mutual Benefits of Partnering

- CABI and GRA are both member country organizations and our outreach can be increased by partnership
- CABI's role in dissemination and validation of research outputs in combination with knowledge transfer to farmers is complementary to GRA's role in research development and collaboration
- GRA's research projects and databases can increase the body of knowledge that CABI can publish
- CABI and GRA together can increase the impact and reach of the knowledge that circulates within agricultural sectors and their stakeholders



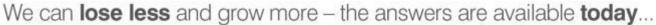






more knowledge

> means more food



www.cabi.org/isc

FREE invasive species compendium

www.plantwise.org/knowledgebank

FREE global gateway to plant health





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Patricia Neenan p.neenan@cabi.org

