



CABI and Cocoa

Dennis Rangi, Executive Director International Development

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CABI



In brief

- **Not-for-profit**
- Established in **1910**
- Provides scientific expertise and information about agriculture and the environment
- Activities include: international development, scientific publishing and microbial services
- Owned by **47 member countries**
- Approximately **350 staff worldwide**

membership



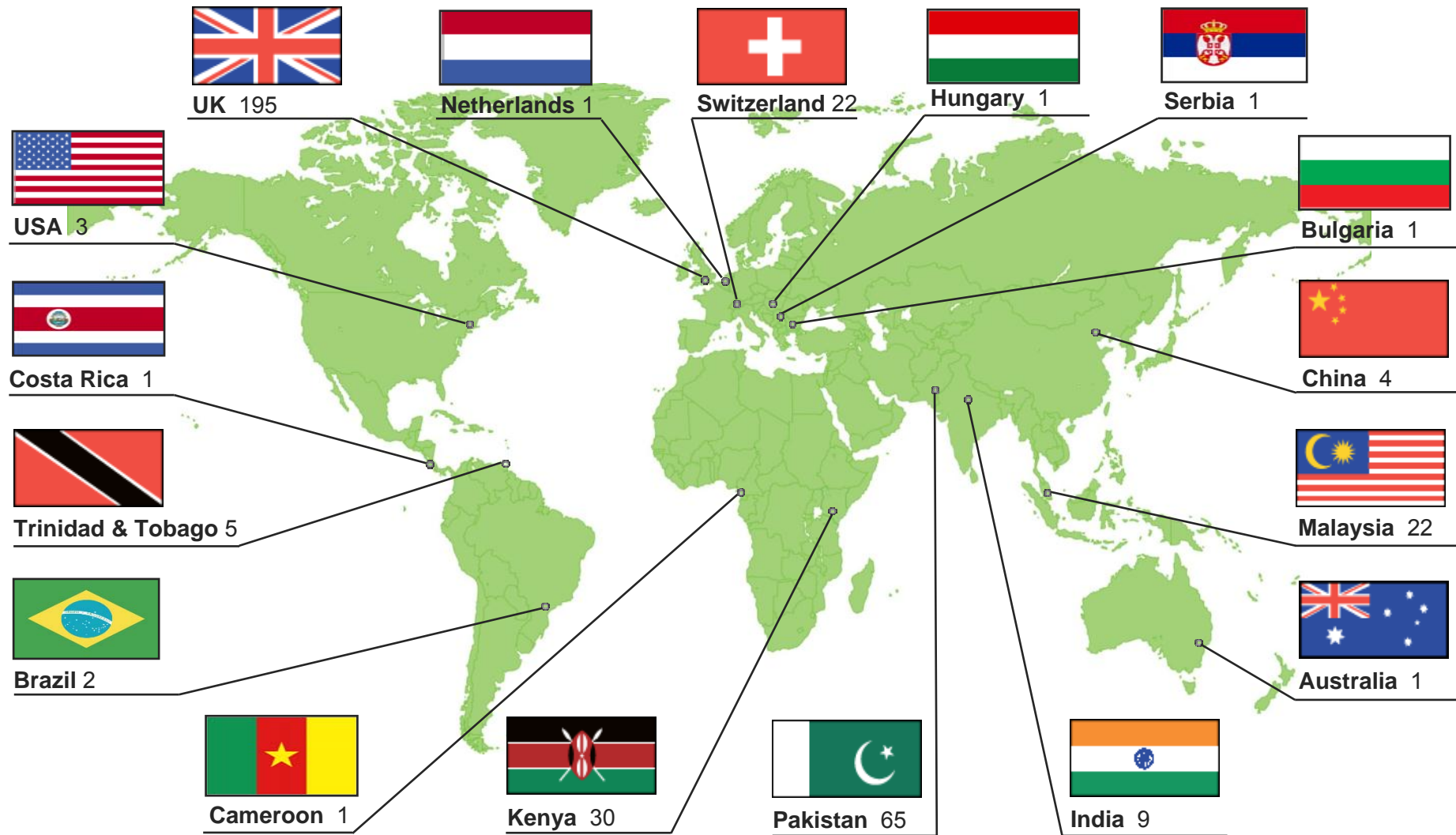
We work on behalf of 47 member countries



global reach



We have 350+ staff across 17 locations worldwide



what are CABI's activities?



- International development and research
- Publishing
- Microbial services

International Development

Maximizing our impact by focusing on 3 key scientific areas
(Themes):

- **Commodities** – we work to enable smallholder commodity farmers to compete in global markets and improve their livelihoods
- **Invasive species** – we aim to reduce the spread and impact of invasive weeds and insects on agriculture and the environment.
- **Knowledge for development** – we work to ensure the effective communication of agricultural and environmental knowledge between farmers, extensionists, researchers and governments.



Priority Areas for Commodities

- Promoting sustainable production methods especially to raise productivity of our focus crops such as cocoa
- Improving post-harvest processing and market access for producers to earn better incomes
- Improving capacity building through knowledge dissemination

Costa Rica, Ecuador



Promoting sustainable production



- Frosty Pod Rot and Witches' Broom can completely destroy a farmer's crop
- Working in partnership in several countries from our base at CATIE, we promote the development of a package of IPM practices.
- In the past, conducted RPU, use of molecular methods to aid breeding for resistance and use of classical biological control using co-evolved natural enemies
- Recent work has focused on the formulation of selected endophytic *Trichoderma* isolates to improve efficacy in the field; some isolates are more effective than chemical controls against FPR

Papua New Guinea



Promoting sustainable production

- CPB incursion in PNG (2006) puts cocoa production there under threat
- 80-90% losses if not managed
- Project aims to enhance awareness and develop improved surveillance and containment systems as part of national emergency response
- Farmer demonstration plots and FPTR programmes produced.
- Also FFS for CPB management (pruning, complete and frequent harvesting)
- DVD on management of CPB produced and distributed

West Africa and South America



Improving market access for producers

- In 2008 new legislation established harmonised (MRLs) for pesticides permitted in all food in the EU, including imported commodities such as cocoa
- Working with NARS in West Africa we looked at pesticide use along the cocoa supply chain
- Raising awareness of the issues/problems, in-country training procedures were adopted to aid compliance
- Similar concerns about heavy metal contamination of food, including cocoa, has led to a project which helps to establish the levels of heavy metals present in cocoa and cocoa soils in South America
- Presentations at COPAL and articles in PAN Newsletter (Helping cocoa farmers adjust to new EU pesticide laws)

West Africa



Communicating messages to farmers

- Implementation of Cocoa IPM in West Africa (Phase 1- 2003-2005)
- Implementation of Cocoa IPM in West Africa (Phase 2- 2005-2006).
- Developed participatory videos with STCP, CRIG, Stratcom Africa, ANS Media, Kuapa Kokoo on pruning and BP management.
- Methods and curricula developed helped STCP produce further videos
- Pheromone work undertaken by NRI- and continued by NRI and CRIG

Global and West Africa



Communicating messages to farmers



- Produced twice yearly newsletter for researchers, extensionists, farmers, policy makers (GRO Cocoa)
- Together with CRIG and Cadbury's produced the Ghana Cocoa Farmers Newspaper targeting thousands of farmers with every edition



Partnership between CABI and ICCO



- CABI and ICCO have worked together on a number of occasions eg
- Jointly organised the workshop on “*Prevention and management of the global spread of cocoa pests and pathogens*”. 17-20 July 2007 in Abidjan, Cote d'Ivoire.
- CABI inputted to “*International Workshop on Safe Use of Pesticides in Cocoa and Harmonized Legislation for Food Safety*” January 2011 in Kuala Lumpur, Malaysia.
- MOU developed between CABI and ICCO which aims to develop project proposals, source project funding and jointly implement projects to achieve sustainability in cocoa production and trade.
- First activity to develop SPS capacity building along the supply chains in SE Asia



Thank you

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Executive Director, International Development

d.rangi@cabi.org

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