



## CABI Compendia

Learning Center: Access to readily available extension, educational, and research information resources

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[www.cabi.org](http://www.cabi.org)  
KNOWLEDGE FOR LIFE

## Objectives

- To establish global context
- To describe the Compendium Development model
- To demonstrate some of the features
- To present some case studies
- To initiate discussion on issues of accessibility in extension, educational and research environments



## Agenda

- **Global context**
- Compendium Development Model
- Demonstration
- Case Studies
- Discussion



**‘The world is changing rapidly in ways that often affect poor countries most. ....**

**Decision-makers across the world need to base their decisions on information from reliable sources. They need to learn from the best knowledge and experience available.’**

*DFID Research Strategy 2008-2013  
April 2008  
UK Government*



**‘1597, Sir Francis Bacon said ‘Knowledge is power’. Knowledge is based on information. Today the world has generated and continues to generate even more information than the most educated person can ever use or access incrementally. ....’**

**‘The management of information is power’**

*‘Building pathways out of rural poverty through investments in agricultural information systems. Final Report’. WorldAgInfo Design Team, Feb. 2008*



## **Evidence based decision making, for:**



- Farmers
- Extension workers
- Researchers
- Teachers/Lecturers
- Entrepreneurs
- Policy makers

## Evidence based decision making, for situations such as: :



- What is this pest?
- What are the symptoms of this disease?
- I need to write a project proposal?
- I need some new course material?
- Which trees for will grow here?
- I need validated information to write a policy brief?

## Agenda

- Global context
- **Compendium Development Model**
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## CABI member countries and centres



## Invasive Species Compendium Development Consortium

### Members to date ...

- Canadian Food Inspection Agency
- Canadian Forest Service
- Canadian International Development Agency
- Ministry of Agriculture, India
- Monsanto
- USAID
- USDOC National Oceanic & Atmospheric Administration
- **USDA Agricultural Research Service**
- **USDA Animal & Plant Health Inspection Service**
- **USDA Foreign Agricultural Service**
- **USDA Forest Service**
- **USDA Invasive Species Coordination Program**



## Crop Protection Compendium Consortium

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>• AAFC, Canada</li> <li>• ACIAR</li> <li>• ADB</li> <li>• Bayer Crop Science (including Aventis Crop Science)</li> <li>• CABI</li> <li>• CFIA, Canada</li> <li>• CIAT</li> <li>• CIDA</li> <li>• CIMMYT</li> <li>• CIP</li> <li>• COSTECH, Tanzania</li> <li>• CSL, UK</li> <li>• DAFF, Australia</li> <li>• Deere &amp; Company</li> <li>• DFID</li> <li>• DGISP/DANIDA</li> <li>• Dow Agrosiences (including Rohm &amp; Haas)</li> <li>• DuPont</li> <li>• GRDC, Australia</li> <li>• GTZ</li> <li>• Horticulture Australia</li> <li>• ICAR, India</li> <li>• IDRC</li> </ul> | <ul style="list-style-type: none"> <li>• IITA</li> <li>• IPGRI</li> <li>• IRRI</li> <li>• KARI, Kenya</li> <li>• MAFF, Japan</li> <li>• MARDI, Malaysia</li> <li>• Monsanto</li> <li>• NDA &amp; ARC, South Africa</li> <li>• NZ Aid</li> <li>• Pioneer Hi-Bred</li> <li>• Rockefeller Foundation</li> <li>• Seminis Vegetable Seeds</li> <li>• Sumitomo</li> <li>• Syngenta (Novartis &amp; Zeneca)</li> <li>• SDC</li> <li>• UNDP</li> <li>• USAID</li> <li>• <b>USDA-APHIS</b></li> <li>• <b>USDA-ARS</b></li> <li>• <b>USDA-CSREES</b></li> <li>• <b>USDA-FAS</b></li> <li>• WARDA</li> <li>• World Bank</li> <li>• Zamorano</li> </ul> | <p><b>PARTNERS</b></p> <ul style="list-style-type: none"> <li>•EPPO</li> <li>•FAO</li> <li>•Iowa State University</li> <li>•PROSEA</li> <li>•University of Bonn</li> <li>•University of Queensland</li> <li>•USDA-ARS-GRIN</li> </ul> |
|--|---|---|



## Animal Health & Production Compendium Consortium

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|---|---|---|
| <ul style="list-style-type: none"> <li>• AAFC, Canada</li> <li>• ACIAR, Australia</li> <li>• BASF Fine Chemicals</li> <li>• Bayer Animal Health</li> <li>• CABI</li> <li>• CFIA, Canada</li> <li>• CIDA, Canada</li> <li>• DAFF, Australia</li> <li>• DEFRA, UK</li> <li>• DFID, UK</li> <li>• EU</li> <li>• IFAD</li> <li>• ILRI</li> <li>• Intervet</li> <li>• Merial</li> <li>• Monsanto</li> <li>• NCBA, USA</li> <li>• National Pork Board, USA</li> </ul> | <ul style="list-style-type: none"> <li>• NZAID</li> <li>• Pfizer Inc.</li> <li>• Schering Plough</li> <li>• Sygen International plc (formerly PIC)</li> <li>• Universiti Putra Malaysia</li> <li>• <b>USDA-APHIS</b></li> <li>• <b>USDA-ARS</b></li> <li>• <b>USDA-CSREES</b></li> <li>• <b>USDA-FAS</b></li> <li>• US Food &amp; Drug Administration (FDA), CVM</li> <li>• US Poultry &amp; Egg Association</li> </ul> | <p><b>PARTNERS:</b></p> <ul style="list-style-type: none"> <li>• Cornell University</li> <li>• FARAD</li> <li>• FAO</li> <li>• OIE</li> <li>• SINDAN</li> </ul> |
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## Forestry Compendium Consortium

- ACIAR, Australia
  - CABI
  - CFIA, Canada
  - CFS, Canada
  - CIDA
  - CIFOR
  - DAFF, Australia
  - DFID, UK
  - EU
  - GTZ, Germany
  - INBAR
  - ITTO
  - MacArthur Foundation
  - NZAID
  - USAID
  - USDA-FAS**
  - USDA-CSREES**
  - USDA Forest Service**
- Partners:**
- FAO
  - OFI
  - PROSEA
  - USDA-ARS-GRIN
  - WAC / ICRAF



## Aquaculture Compendium Consortium

- ACIAR
  - Bangladesh Agricultural University
  - CABI
  - CFIA
  - CIDA
  - DAFF, Australia
  - DFID, UK
  - IFAD
  - Intervet
  - Nha Trang University, Vietnam
  - NORAD
  - NZAID
  - USAID
  - USDA-APHIS
- Partners:**
- AIT
  - Deakin University
  - FAO
  - FishBase
  - NACA
  - OIE
  - University of Stirling
  - World Aquaculture Society



## Consortia initiated:

- Mixed media resources bringing together a vast array of scientific information into one place
- Developed by CABI with support from commercial, non-profit, and government agencies

### Used by

- Academics
- Practitioners
- Extension workers
- Private industry
- Research institutions
- Government agencies
- Global development programmes



## Consortium contribution

- Crop Protection
  - 1999, 4 years, \$3.9M
- Forestry
  - 2000, 3 years, \$2.2M
- Animal Health and Production
  - 2002, 2.25 years, \$1.9M
- Aquaculture
  - 2006, 2.5 years, \$0.9M
- Invasives Species
  - 2010, 3 years, \$3.0M





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[www.cabi.org/compendia/ahpc/](http://www.cabi.org/compendia/ahpc/)

[www.cabi.org/compendia/ac/](http://www.cabi.org/compendia/ac/)

[www.cabi.org/compendia/cpc/](http://www.cabi.org/compendia/cpc/)

[www.cabi.org/compendia/fc/](http://www.cabi.org/compendia/fc/)



## Introduction to Animal Health and Production Compendium

- Demonstrate 'Find a Datasheet'
- Tour of a disease datasheet
- Demonstrate the datasheet 'Report' function
- Show linkage between datasheets
- Demonstrate 'Softlinking'
- Show other datasheet types



## Coverage of the Animal Health and Production Compendium

- Major economically important livestock (inc. poultry) worldwide
- Diseases, pathogens and disease vectors
- Production, husbandry, housing and animal welfare
- Nutrition and feeds
- Herd and rangeland management
- Economics of the impact of livestock diseases
- Dairy management and technology
- Livestock food products: safety and quality



## Different components of the Animal Health and Production Compendium

- Datasheets
- Bibliographic database
- Library of archived documents and tools– more than 500 different items, books and books chapters, commissioned texts, and slide shows, over 20 different publishers contribute
- Veterinary products (drugs and biologicals) database
- Glossary
- Production statistics from FAO
- Identification keys of arthropods and helminths



## DEMONSTRATION

**[www.cabi.org/compendia/ahpc/](http://www.cabi.org/compendia/ahpc/)**



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## Crop Protection Compendium



## Testimonial

### What our partners say

#### USA

"Within the seed industry it's generally accepted to be the definitive database for seedborne diseases."

John Stevens, Trade and Certification Manager, Pioneer Hi-Bred International

#### Kenya

"The Compendium has been very useful in the daily running in our organization. We normally use it on a daily basis and do not know how we could have been able to cope without it. The Compendium has been very useful on quarantine issues."

Plant Inspectors, Kenya Plant Health Inspectorate Service, Nairobi

#### Australia

The benefit to Australia from using The Crop Protection Compendium is up to \$1.4m per year.

Peter Core, Director, ACIAR

## Training in SPS



### Common Market for Eastern & Southern Africa (COMESA)

#### Uses and impact in SPS

CPC and AHPC provided an entry into the literature that is easy to access and used in:

- Diagnosis, identification and control of target organisms using the pest data sheets
- Looking at distribution data of pest organisms, for tracking spread within country, region and globally
- Pest Risk Analysis – the tool is an entry point to the PRA process

## Plant clinics



### Global Plant Clinic

#### Expert advice/diagnosis

- CPC used to provide background information about plant health
- Local clinics
- Linked to in-country extension services
- Global Plant Clinic sponsored by DfID
- Service available free to 132 countries

## Community based training



## Tanzania

### Combating hunger and rural poverty through increasing access to knowledge

- IFAD
- Commission for Science and Technology, Tanzania
- CABI

## Research networks



## SARNISSA

### Sustainable Aquaculture Research Networks in Sub-Saharan Africa

- University of Stirling, UK
- CIRAD
- Bunda College, Malawi
- IRAD, Cameroon
- World Fish Centre
- ETC Foundation
- CABI
- AIT, Thailand



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Questions please...

...Thank you

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