

ACSESS DL

*Alliance of Crop, Soil, and
Environmental Science Societies*

DIGITAL LIBRARY





From UN Population Division Study

World population surpassed the 7 billion mark in 2012

It is projected to pass the 8 billion mark in 2028

And the 9 billion mark in 2054

How will we feed these billions?

Who will care for the basic needs of this population everyday?



About the Societies

We Will.

American Society of Agronomy

www.agronomy.org

Crop Science Society of America

www.crops.org

Soil Science Society of America

www.soils.org

These Societies all operate under the umbrella

ACSESS

**Alliance of Crop, Soil, &
Environmental Science Societies**

The Alliance of Crop, Soil, and Environmental Science Societies (ACSESS) is an association of prominent international scientific societies headquartered in Madison, Wisconsin, USA. ACSESS was created by and is composed of the American Society of Agronomy (ASA, founded in 1907), the Crop Science Society of America (CSSA, founded in 1955), and the Soil Science Society of America (SSSA, founded in 1936)





About the Societies



The reach of agronomists and agronomy doesn't end on the farm. Agronomists also play critical roles in issues of global concern, including food and water security, air quality and climate change, soil loss and degradation, health and nutrition, and many others.



Every Day, Agronomy

Every day, everyone is affected by agronomy. The food you eat, the coffee you drink, the ethanol-based gas in your car, the grass on the golf course, the natural fibers of the clothing you wear—all are products of agronomy and the work of agronomists.

In short, growing crops requires collaborations among many, many fields, including the traditional soil, plant, and weed sciences, as well as related disciplines such as ecology, entomology, climatology, and economics. The best crop production methods are always grounded in scientific research. As a result, they are by nature continually evolving and improving.

What is an agronomist?

Agronomists are plant and soil scientists who develop innovative farm practices and technologies that not only boost crop yields but also control pests and weeds and protect the environment. Agronomists are also professional practitioners, educators, and advisers who work directly with farmers, companies, and others in the ag community to implement the latest methods and tools for growing crops profitably and sustainably.



About the Societies



Crop Scientists are at the intersection of plant and soil science and work to improve crops and agricultural productivity while effectively managing pests and weeds. They make this possible through the application of soil and plant sciences to crop production that incorporates the wise use of natural resources and conservation practices to produce food, feed, fuel, fiber, and pharmaceutical crops while maintaining and improving the environment.



Every Day, Crop Science

Every day, everyone is impacted by crop science. From the endless green fields of corn and soybeans which cover the Midwest, the vibrant yellows of sunflowers in Canada, the expansive rice paddies of Asia, the vast acres of cotton drying under the hot Southwestern sun, to the lush green mountains of coffee growing in Central America, these crops do not just happen. Hard work on the part of the grower, aided by the crop sciences makes these crops possible.

The Science of Crops

The evolution and ongoing development of agriculture, enabled by science, is the focus of agronomists and crop scientists. Scientific research to enhance productivity while sustaining the integrity of ecological processes encompasses crop science, soil science, and environmental science. The research is communicated and transferred among agronomists and those in related fields on topics of local, regional, national, and international significance.



About the Societies



The first, and often missing, link in the food chain isn't plants – it's soil. Soil is what nourishes the plants that grow in it, and the more "alive" the soil, the more nutrients and minerals make it into the food we eat.



Every Day, Soil Science

Soil is an amazing substance. A complex mix of minerals, air, and water, soil also teems with countless micro-organisms, and the decaying remains of once-living things. Soil is made of life and soil makes life.

To the **farmer**, soil is where crops grow.

To the **engineer**, soil is a foundation upon which to build.

To the **ecologist**, soil supports communities of living things.

To the **archaeologist**, soil holds clues to past cultures.

To the **city dweller**, soil nurtures grass and gardens.

*To the **soil scientist**, soil is all of these things.*

Soil has been called "the skin of the earth" because it is the thin outermost layer of the Earth's crust.

Like our own skin, we can't live without soil.



About the Societies

Society Activities

Membership

American Society of Agronomy: 7,881

Crop Science Society of America: 5,817

Soil Science Society of America: 6,816

Scholarly Publishing

Journals

Magazines

Books

Annual Conference

>4000 attendees

Certification Program

13,000 certified crop, soils and practicing professionals

Education

Communities, Divisions, Sections & Groups

ASA: 41 communities, 7 sections

CSSA: 9 Divisions

SSSA: 14 divisions, 4 groups

K-12 Education and Resources

Science Policy





Award Winning Members

The World Food Prize is the foremost international award recognizing- without regard to race, religion, nationality, or political beliefs- the achievement of individuals who have advanced human development by improving the quality, quantity, or availability of food in the world.

Every year since 1901 the Nobel Prize has been awarded for achievements in physics, chemistry, physiology or medicine, literature and for peace. The Nobel Prize is an international award administered by the Nobel Foundation in Stockholm, Sweden.



World Food Prize Laureates

2012
Daniel Hillel
Israel

2009
Gebisa Ejeta
United States

2006
A. Colin McClung
United States

2004
Monty Jones
Sierra Leone

2002
Pedro A. Sanchez
United States

2000
Surinder K. Vasal
India

1998
B.R. Barwale
India

1996
Henry Beachell
United States
Gurdev Khush
India

1987
M.S. Swaminathan
India

World Food Prize Founder
Norman Borlaug

Renowned Members

Prof. Nicholas Comerford
University of Florida, Brazil/US Student Exchange
http://soils.ifas.ufl.edu/courses/soilservices/study_abroad.shtml

Prof. Pedro Sanchez
2002 World Food Prize winner; 2004 MacArthur Fellow
http://en.wikipedia.org/wiki/Pedro_A._Sanchez

Prof. Charles (Chuck) Rice
Kansas State University. Dr. Rice was a member of the United Nations' Intergovernmental Panel on Climate Change that received the Nobel Peace Prize in 2007.
<http://www.k-state.edu/media/mediaguide/bios/ricebio.html>

Nobel Prize Winners

Norman Borlaug

Awarded the Nobel Peace prize in the year 1970 for his contribution to agricultural innovation and the development of high-yield crops.

Borlaug was awarded the Presidential Medal of Freedom and the Congressional Gold Medal. He was also a recipient of the Padma Vibhushan, India's second-highest civilian honor. Borlaug's discoveries have been estimated to have saved over 245 million lives worldwide.

Selman Waksman

Awarded the Nobel Prize in Physiology or Medicine 1952 for his discovery of streptomycin, the first antibiotic effective against tuberculosis.

Waksman is regarded today as the foremost authority on soil biology. A Nobel Prize recipient for his work on antibiotics, he also coined the term. His work on antibiotics has changed the lives of many people, far more than he could possibly have imagined



Scholarly Publishing

Our program also continues to publish textbooks, multimedia pieces, children's books, hard-and softcover books on special topics and professional guides.



Journals

The Societies publish information concerning all aspects of the sciences they represent. Their extensive publishing activities offer opportunities for agricultural science-related professionals to communicate findings to colleagues and to larger, more general audiences.

Book Publishing

We have been publishing quality, peer-reviewed books since the 1950s. A mission of the Societies is to offer books that reach a wide audience, from scholars to children, from those who work every day in the field to those new to our disciplines.

To that end, we publish a variety of titles, with an emphasis on advancing knowledge of plants, soils, water, and environment; the production and quality of food, feed, and fiber; and the sustainability of soils, the environment, and society.

Magazines

Society magazines are written for our members and certified professionals.

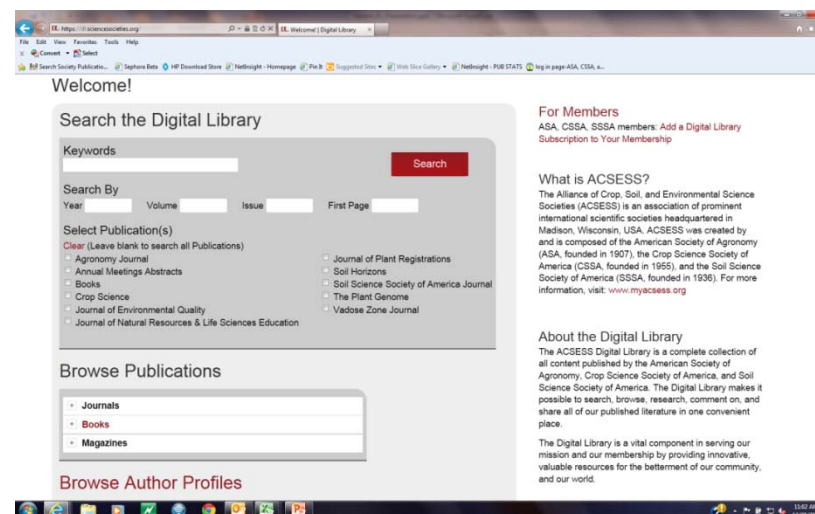


All Journals and Their Archives

Agronomy Journal
 Soil Science Society of America Journal
 Crop Science
 Journal of Environmental Quality
 Vadose Zone Journal
 The Plant Genome
 Natural Sciences Education **—including Animal Science in 2014!**
 Journal of Natural Resources and Life Sciences Education
 Journal of Plant Registrations
 Journal of Production Agriculture

New Digital Library Content (2014)

Former Plant Management Network journals:
 Applied Turfgrass Science
 Crop Management
 Forage & Grazinglands
 English abstracts of Transactions of the Chinese Society of Agricultural Engineering





Magazines

Crops and Soils

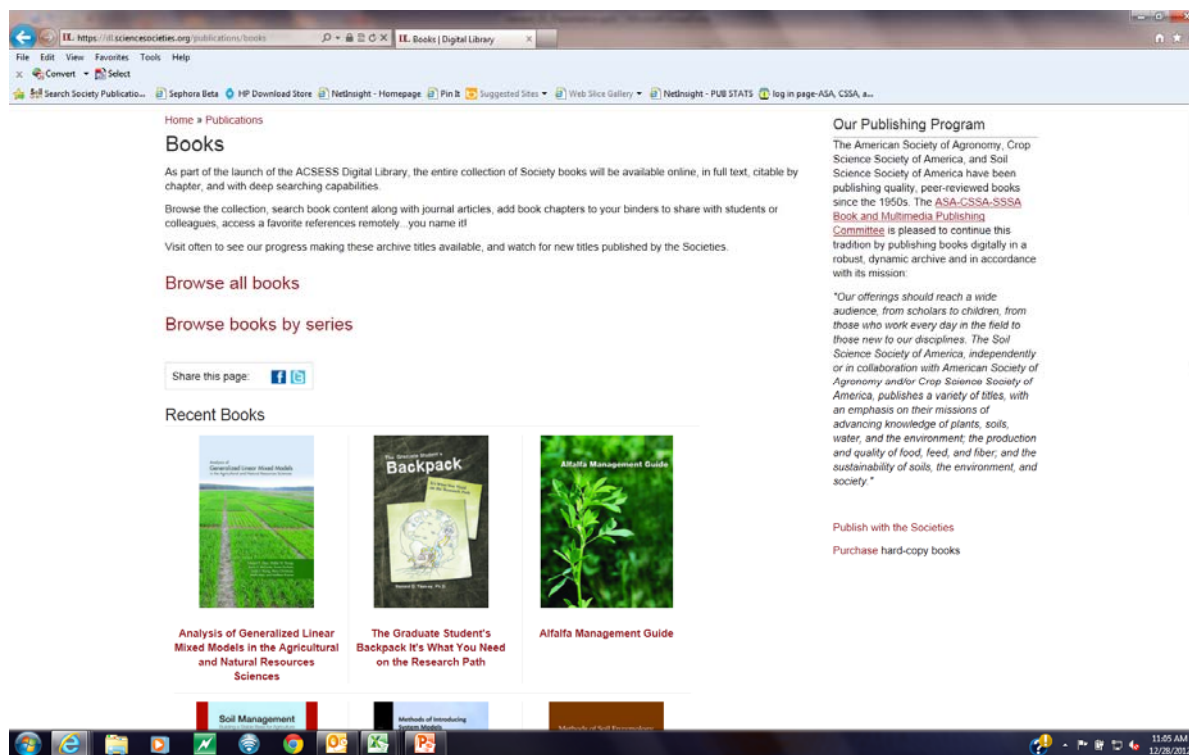
CSA News

Soil Horizons

Books: Total of 300+ volumes, digitized to the chapter level

Frontlist – most recently published, plus best sellers

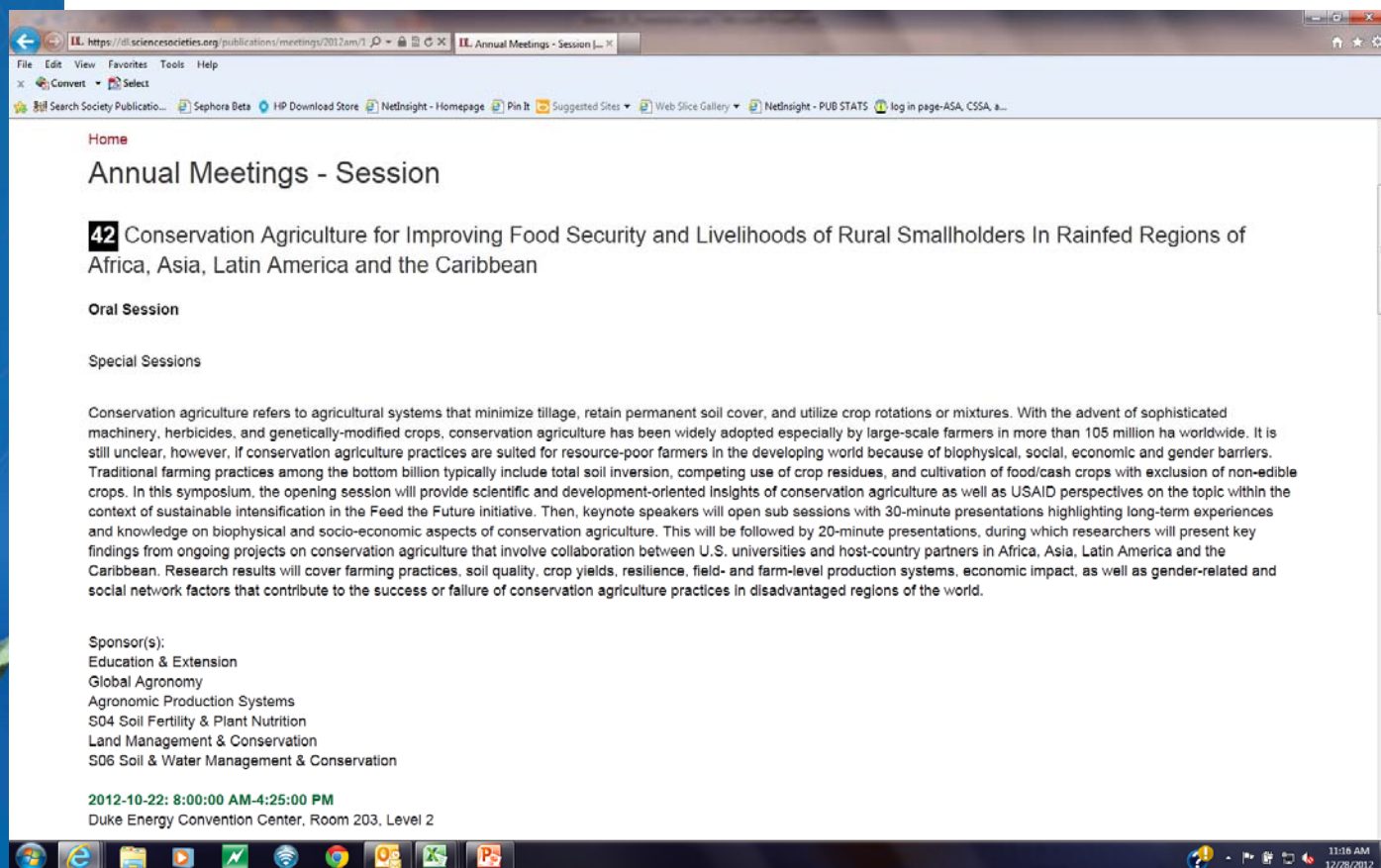
Backlist – about 270 books



Components of the Digital Library

Meetings abstracts

17,000 Conference Presentations from
Annual Meetings since 2005





Digital Library Features

Virtual “Binders”

Allows saving search results to a binder and then emailing that binder to colleagues, students, etc.

Also allows “sharing” of binder (informs colleagues and students that you have created a binder and offers to share with them)

Binders may be viewed by all individuals of a subscribing institution





Virtual “Binders”

- Allows saving search results to a binder and then emailing that binder to colleagues, students, etc.
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count/binders

DL My Binders | Digital Library

Beta HP Download Store NetInsight - Homepage Pin It Suggested Sites Web Slice Gallery NetInsight - PUB STATS log in page-ASA, CSSA, a...

Home » My Account

My Binders

Personal Binders

biochar »
climate change
soil fertility
switchgrass

New Binder Email Binder Share Binder Delete Binder Create PDF

biochar

Created: 2012-10-24 09:37:46 View Binder Description

Drag & Drop items to reorder Save Item Order

Conventional and Conservation Tillage: Influence on Seasonal Runoff, Sediment, and Nutrient Losses in the Canadian Prairies
K. H. D. Tiessen, J. A. Elliott, J. Yarotski, D. A. Lobb, D. N. Flaten and N. E. Glozier
Journal of Environmental Quality
Volume 39 Issue 3, May 2010
Added to binder: 2012-10-24 10:34:06 View Item Description

Chi-Square Test for Goodness of Fit in a Plant Breeding Example
Deana M. Namuth-Covert, Heather L. Merk and Courtney Haines
Journal of Natural Resources & Life Sciences Education
Volume 41 Issue 1, 2012
Added to binder: 2012-10-24 11:47:47 View Item Description

Engaging Watershed Stakeholders for Cost-Effective Environmental Management Planning with "Watershed Manager"
Jeffery R. Williams, Craig M. Smith, Josh D. Roe, John C. Leatherman and Robert M. Wilson
Journal of Natural Resources & Life Sciences Education
Volume 41 Issue 1, 2012
Added to binder: 2012-10-24 11:47:47 View Item Description

Impact of Preferential Flow at Varying Irrigation Rates by Quantifying Mass Fluxes
T. J. Gish, K.-J. S. Kung, D. C. Perry, J. Posner, G. Bubenzer, C. S. Helling, E. J. Kladviko and T. S. Steenhuis
Journal of Environmental Quality
Volume 33 Issue 3, May 2004
Added to binder: 2012-10-24 12:12:07 View Item Description

Performance of Early Maize Cultivars Derived from Recurrent Selection for Grain Yield and Resistance
B. Badu-Apraku, A. Fontem Lum, M.A.B. Fakorede, A. Menkir, Y. Chabi, C. The, M. Abdulai, S. Jacob and S. Agbaje
Crop Science

My Account

- Contact Info
- About Me
- Contact Preferences
- My Awards and Committees
- My Binders
- Login/Password
- My Transactions
- Exams
- Privacy and Profile Settings
- My Course Certificates



Digital Library Features

Metrics

Presents usage/download metrics for the following:

- Journals: total # of downloads for each journal in past 6 weeks, past year, and cumulative downloads
- Authors: Total # of articles, book chapters, and conference presentations, AND the total # of downloads for each.
- Articles: downloads over past 6 week, one year and cumulative downloads.
- Cited By: will list articles and books that cited that particular article. Available to download in various formats.



Digital Library Features

Metrics

The screenshot shows a web browser window displaying an article from the Digital Library of the Sciences Societies. The article title is "Low Soil Fertility Tolerance in Landraces and Improved Common Bean Genotypes" by Shree P. Singh et al. The page includes a sidebar with article details, a main content area with an abstract, and a right-hand panel with metrics and a list of citing articles. Red boxes and arrows highlight specific features: the "Download Citation" link in the sidebar, the "Alerts" section, the "Metrics" table, and the "Cited By" list.

Crop Science - Article

Save to Favorite Articles | Add to Binder | View My Binders | View Comments

Abstract & References | Authors | Abbreviations | Keywords | Footnotes | Full Article

Printer-friendly PDF

This article in CS

doi: 10.2135/cropsci2003.1100
Vol. 43 No. 1, p. 110-119
Received: Dec 31, 2001
Published: Jan, 2003

* Corresponding author(s):
singh@kimberly.uidaho.edu

View

- »Abstract
- »Full Text
- »Full Text (PDF)
- »Table of Contents
- »Download Citation

Alerts

Alert me when:

- New TOCs are posted
- This content is modified
- This content is cited

Low Soil Fertility Tolerance in Landraces and Improved Common Bean Genotypes

Shree P. Singh^a, Henry Terán^b, Carlos German Muñoz^c, Juan Manuel Osorno^c, Juan Carlos Takegami^b and Michael D. T. Thung^d

Author Affiliations

Abstract

Soil mineral deficiencies or toxicities adversely affect common bean (*Phaseolus vulgaris* L.) production worldwide. Cultivars tolerant to low soil fertility (LF) should support sustainable farming systems and reduce production costs and farmers' dependence on fertilizers. Our objective was to identify LF tolerant landraces and improved common bean genotypes. We systematically screened 5000 to 5500 landraces and improved genotypes for LF tolerance at Popayán and Quilichao, Colombia, between 1978 and 1998. Mean LF intensity index across locations for seed yield ranged from 0.35 to 0.68. Average seed yield reduction over five cropping seasons was 53%. Seed yield, biomass, and HI were positively associated in LF and high soil fertility (HF). LF tolerance was identified in eight landraces and 14 improved genotypes. All landraces were from Middle America (MA), belonging to common bean races Durango, Jalisco, and Mesoamerica. All improved genotypes except one (A 36) also possessed characteristics of and involved one or more LF tolerant MA landraces in their pedigree. There was considerable variation for seed, plant, and maturity characteristics among LF tolerant genotypes. In LF, mean seed yield for landraces ranged from 856 kg ha⁻¹ for 'Apetito' to 332 kg ha⁻¹ for G 19833. Among improved genotypes, A 774 had the highest (948 kg ha⁻¹) and CAP 4 the lowest (651 kg ha⁻¹) seed yield. Reduction in seed yield due to LF ranged from 31% for A 36 to 63% for CAP 4. All landraces and seven improved genotypes had either a below average or average LF susceptibility index. Use of these LF tolerant landraces and improved genotypes should be maximized in breeding and genetic studies to

Crop Science

Articles Published	19425
Total Downloads	1354548
Average downloads per article	69

Article History

Downloads (6 weeks)	34
Downloads (1 year)	74
Downloads (cumulative)	138

Cited By

- Problem-Solving in Conservation Biology and Wildlife Management 2009
- Occurrence and abundance models of threatened plant species: Applications to mitigate the impact of hydroelectric power dams
- Ecological Modelling 2012 230
- Distribution, diversity and environmental adaptation of highland papayas (*Vasconcellea* spp.) in tropical and subtropical America
- Biodiversity and Conservation 2007 16:6
- Assessment of Genetic Stability Among In Vitro Plants of *Arachis retusa* Using RAPD and AFLP Markers for Germplasm Preservation
- Journal of Integrative Plant Biology 2007 49:3
- Molecular biogeographic study of recently described B- and A-



Digital Library Features

Author Profiles: > 17,000 individual author profiles

- Lists Publications, Society activities, Personal and Professional information that the author controls

Sophisticated Search: “Guided” Navigation helps users zoom in to what they are looking for.

Taxonomies: multi-level descriptors of each field (agronomy, crops, soils). Serves as another gateway into the repository.



Digital Library Features

Author Profiles: > 17,000 individual author profiles

- Lists Publications, Society activities, Personal and Professional information that the author controls

Profile



Contact

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Fax: 970-491-0564

Email: ken.barbarick@colostate.edu

Publications

+ *Agronomy Journal*
+ *Journal of Environmental Quality*
+ *Journal of Production Agriculture*
+ *Soil Science Society of America Journal*
+ *Books*

Published outside of ACSESS

+ Elsevier
+ Lippencott, Williams & Wilkens
+ NACTA
+ Taylor and Francis
+ Colorado Experiment Station

Employment History

Colorado State University

Membership

Member

Metrics

Total Articles	41
Total Books	1
Total Chapters	1
Downloads (6 weeks)	170
Downloads (1 year)	1795
Downloads (cumulative)	4083
Average Downloads per Article/Chapter	97

Employment History

Colorado State University
Colorado State University (Jun 2013)

Membership

Member
American Society of Agronomy, 40 Years
Crop Science Society of America, 5 Years
Soil Science Society of America, 40 Years

Education History

Doctor of Philosophy (PhD), Colorado State University, 1979, Agronomy
Master of Science (MS), University of Arizona, 1975, Soils, Water and Engineering
Bachelor of Science (BS), University of Arizona, 1973, Soil and Water Science

Communities

ASA Education and Extension Section
ASA Undergraduate Education Community
ASA Social Media in Education/Extension Community

ASA Environmental Quality Section
ASA Soil Carbon and Greenhouse Gas Emissions Community
ASA Nutrients and Environmental Quality Community
ASA Animal Agriculture and the Environment Community

Divisions of Interest

SSSA Soil Fertility & Plant Nutrition Division
SSSA Soil Chemistry Division
SSSA Soils & Environmental Quality Division

Awards Received

SSSA Fellow, 1992
Soil Science Education Award, 1991
ASA Fellow, 1991
Agronomic Resident Education Award, 1990
More...

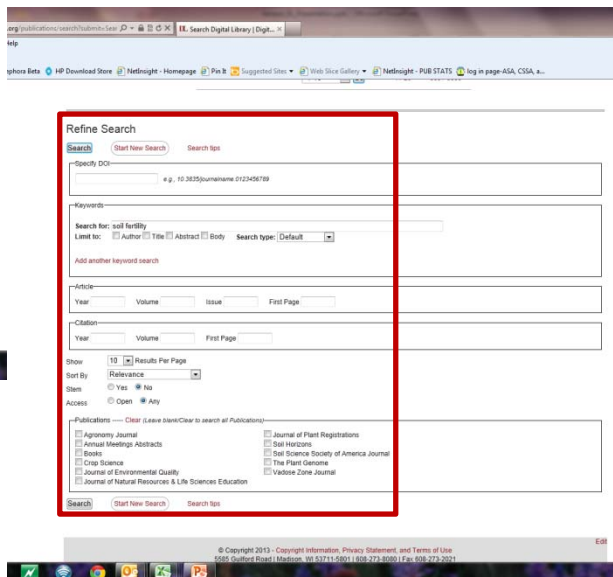
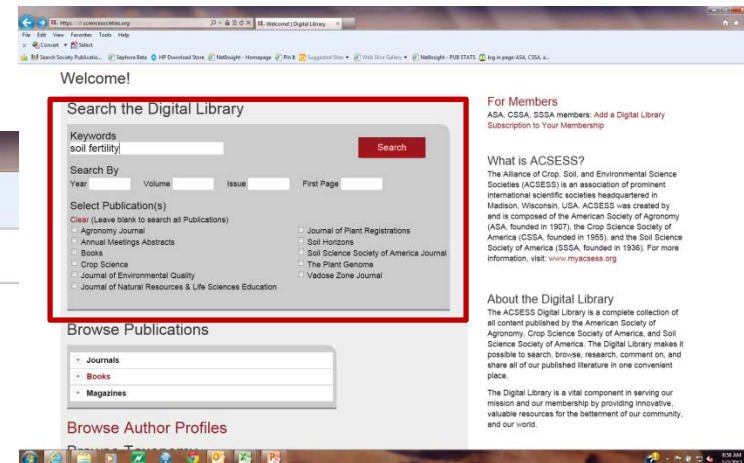
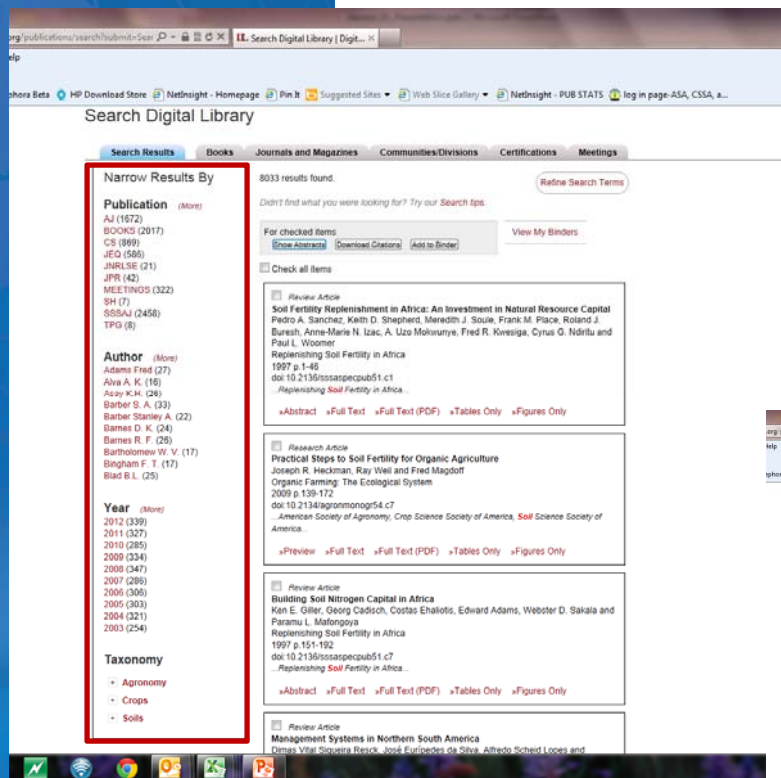
Committee Service

A - Special Awards Committee, Member, 2014-01-01 - 2015-12-31
A - ASA Distinguished Service Award Committee, Member, 2013-01-01 - 2014-12-31
A - International Certified Crop Adviser Board, Member, Ex Officio, 2011-01-01 - 2014-12-31
A - Nominations Committee, Member, 2013-01-01 - 2013-12-31



Digital Library Features

Sophisticated Search: “Guided” Navigation helps users zoom in to what they are looking for.



Digital Library Features

Taxonomies: multi-level descriptors of each field (agronomy, crops, soils).
Serves as another gateway into the repository.

The screenshot displays the Digital Library interface with two main panels. The left panel, titled "Browse Taxonomy", shows a hierarchical structure of categories: Agronomy, Crops, and Soils. Under "Soils", the "Fertility & Productivity" sub-category is expanded, listing items like "Dryland cropping system", "Nutrient cycling", "Plant nutrition", "Soil fertility", "Soil organic matter", "Soil pH", and "Soil productivity". Two red arrows point to "Soil fertility" and "Soil productivity". The right panel, titled "Search Results", shows 224 results found. It includes a "Narrow Results By" section with "Current Filters" (Taxonomy (X), Soils, -Fertility & Productivity, -Soil fertility) highlighted by a red box. Below this, there are sections for "Publication", "Author", and "Year" with lists of items. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 9:04 AM on 1/2/2013.



Future Plans

- ✓ Add new content via negotiations with other Publishers/Societies
- ✓ Significant focus on book publishing
- ✓ Add new features

“Location Services”: click on a geographical coordinate in the text, and it will bring up a real-time view.

Institutional metrics: cumulative download statistics for entire institutions.

Data sets

Multimedia files



Access to the Digital Library

Unlimited, worldwide access to the Digital Library is provided through IP address authentication.

The Digital Library URL is www.dl.sciencesocieties.org.

Once the Societies received and have processed a purchase order, the institution can log on to the Societies' website and manage their IP ranges. (username and passwords will be provided for a managing contact)

A paid Digital Library subscription allows for perpetual access to all content published in that year.

IP address authentication:

The IP ranges are those of the institution, not their middleware IP address (EZProxy).

For institutions using EZProxy or like software and that have an EZProxy, or other middleware IP address, those are hosted and maintained exclusively by that middleware company.

Typical configuration of middleware will require the institution to add a standard URL for the Digital Library. For this, the URL is: <https://www.dl.sciencesocieties.org/search/>
Domain: dl.sciencesocieties.org/

More information can be found at

<http://www.oclc.org/support/services/ezproxy/documentation/cfg/database.en.html#spu>

Indexing of Society Journals

Society journals are indexed by the following:

Scopus
PubMed
ISI
AGRICOLA
Scimago
EBSCOHOST
CrossRef
US National Ag Library

Usage Statistics

All Society publications offer COUNTER and SUSHI compliant statistics. These can be found by logging onto the societies usage website: www.sciencesocietiesreports.org.

The same user name and password for account maintenance can be used here.

Institutions can find statistical analysis on a wide range of areas including,:

- Overall statistics
- Successful full-text article requests by month and journal
- Successful full-text article requests from an archive by month and journal
- Article titles: number of successful article requests by month and title
- IPs: Number of successful article requests by month and IP
- Journal page views: number of successful page views by month and journal
- Total searches and sessions by month and database





Publishing Citations & Impact Factors

Scimago:

Agronomy Journal: #8 out of 189, Agricultural and Biological Sciences category

<http://www.scimagojr.com/journalsearch.php?q=15639&tip=sid&clean=0>

Crop Science: #23 out of 189, Agricultural and Biological Sciences category

<http://www.scimagojr.com/journalsearch.php?q=38753&tip=sid&clean=0>

Soil Science Society of America Journal: #7 out of 70, Soil Science Category

<http://www.scimagojr.com/journalsearch.php?q=37206&tip=sid&clean=0>

Journal of Environmental Quality: #14 out of 95, Environmental Chemistry category

<http://www.scimagojr.com/journalsearch.php?q=23375&tip=sid&clean=0>

Vadose Zone Journal: #14 out of 70, Soil Science Category

<http://www.scimagojr.com/journalsearch.php?q=7200153151&tip=sid&clean=0>

Journal of Plant Registrations: #169 out of 237, Genetics category

<http://www.scimagojr.com/journalsearch.php?q=17700155308&tip=sid&clean=0>

ISI Impact Factor Data							
	Agronomy Journal	Crop Science	SSSA Journal	Journal of Environmental Quality	Vadose Zone Journal	Journal of Plant Registrations	The Plant Genome
2012 Impact Factor	1.518	1.513	1.821	2.353	2.200	0.496	2.463
IF Rank in Subject Category	24 out of 78	25 out of 78	15 out of 34	69 out of 209	Soil Science category: 8 out of 34	56 out of 78	Plant Science category: 52 out of 195
					Water Resources category: 16 out of 80		Genetics & Heredity category: 85 out of 161
Citations Rank in Subject Category	5 out of 78	3 out of 78	3 out of 34	21 out of 209	Soil Science category: 15 out of 34	61 out of 78	Plant Science category: 153 out of 195
					Water resources category: 21 out of 80		Genetics & Heredity category: 145 out of 161

ACSESS DL

*Alliance of Crop, Soil, and
Environmental Science Societies* DIGITAL LIBRARY





CABI uses knowledge
to improve people's
lives worldwide

Managing and producing knowledge

- CABI publishes and manages high quality **scientific resources and knowledge** within the applied life sciences

Managing and producing knowledge

- behind every product and project are **subject specialists** committed to delivering the most relevant and authoritative information to **researchers** worldwide



Invasive Species Compendium

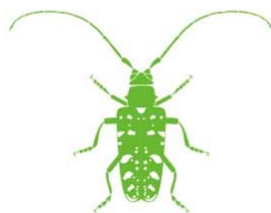
Invasive Species Compendium

- detailed coverage of invasive species threatening livelihoods and the environment worldwide
- freely available and **open access**

breakdown of species



35% plants
(aquatic and terrestrial)



**30% plant and
environmental pests** (terrestrial)



**15% aquatic
animals**



**15% animal
pathogens**



**5% terrestrial
vertebrates**



Research 4 Development

Research 4 Development

- manages, makes accessible and disseminates the UK Government's Department for International Development (DFID's) information

Research 4 Development

- powerful free online database of around **5,000** DFID-funded development projects carried out since the mid-1990s

Research 4 Development

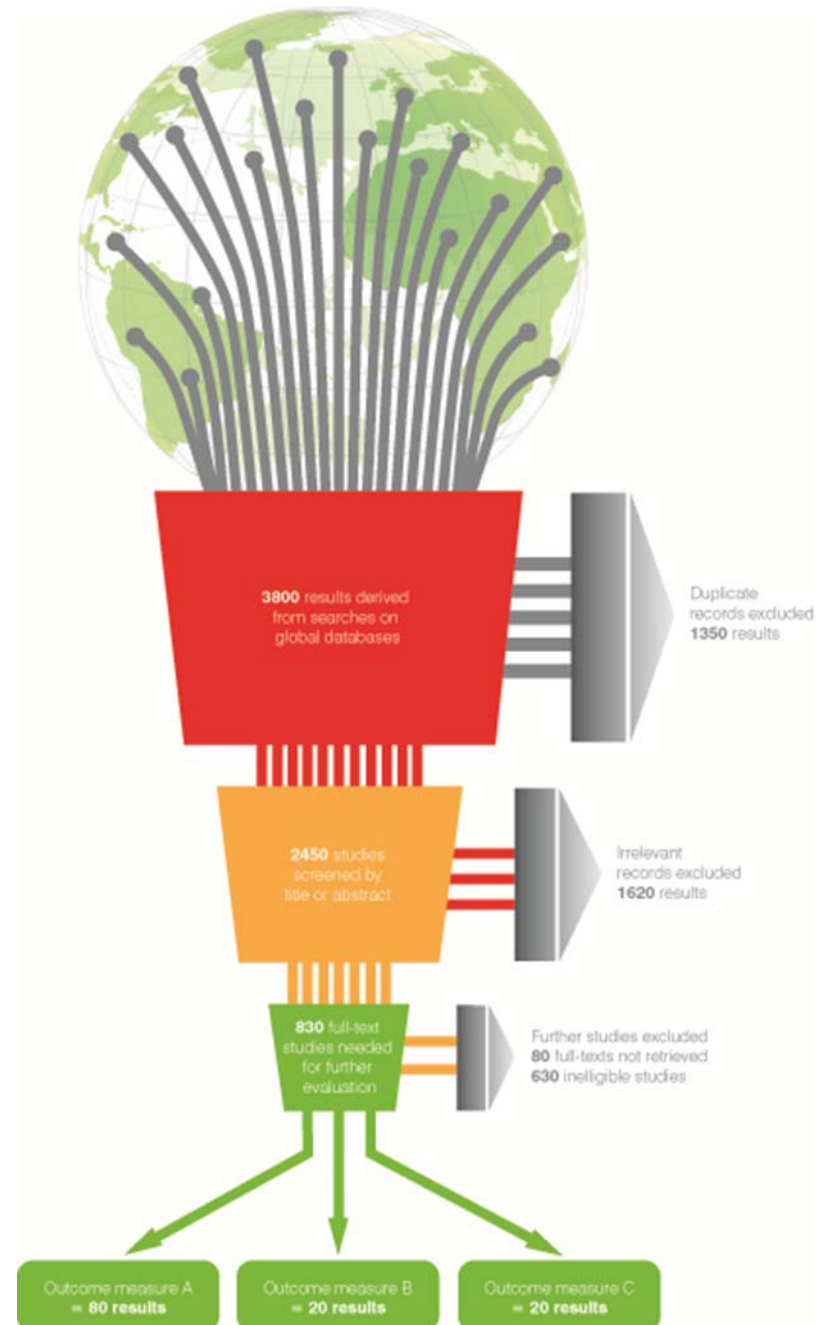
- users anywhere in the world have instant access to more than **35,000** project outputs

Research 4 Development

- website receives close to **100,000** visits per month

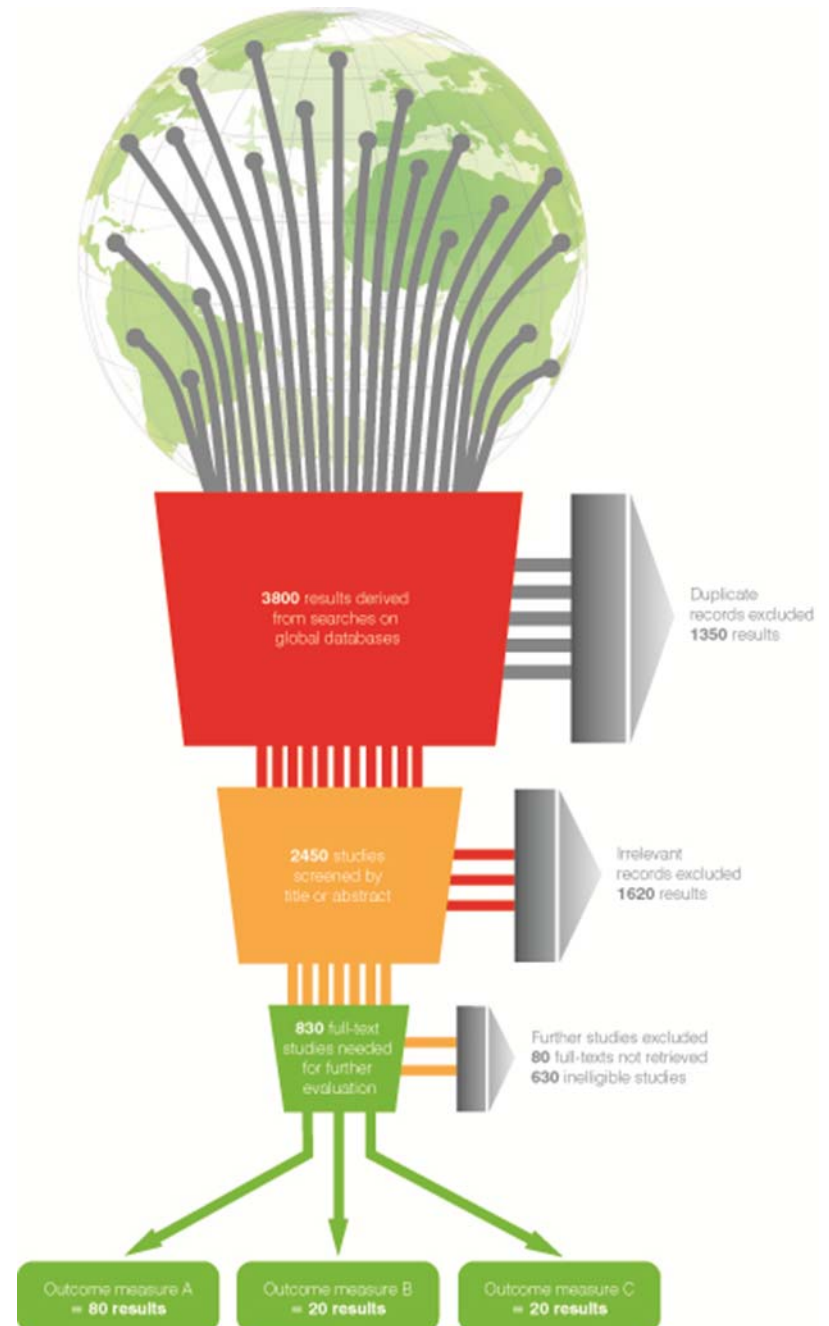
Systematic reviews

- independent, unbiased and objective assessment of the evidence



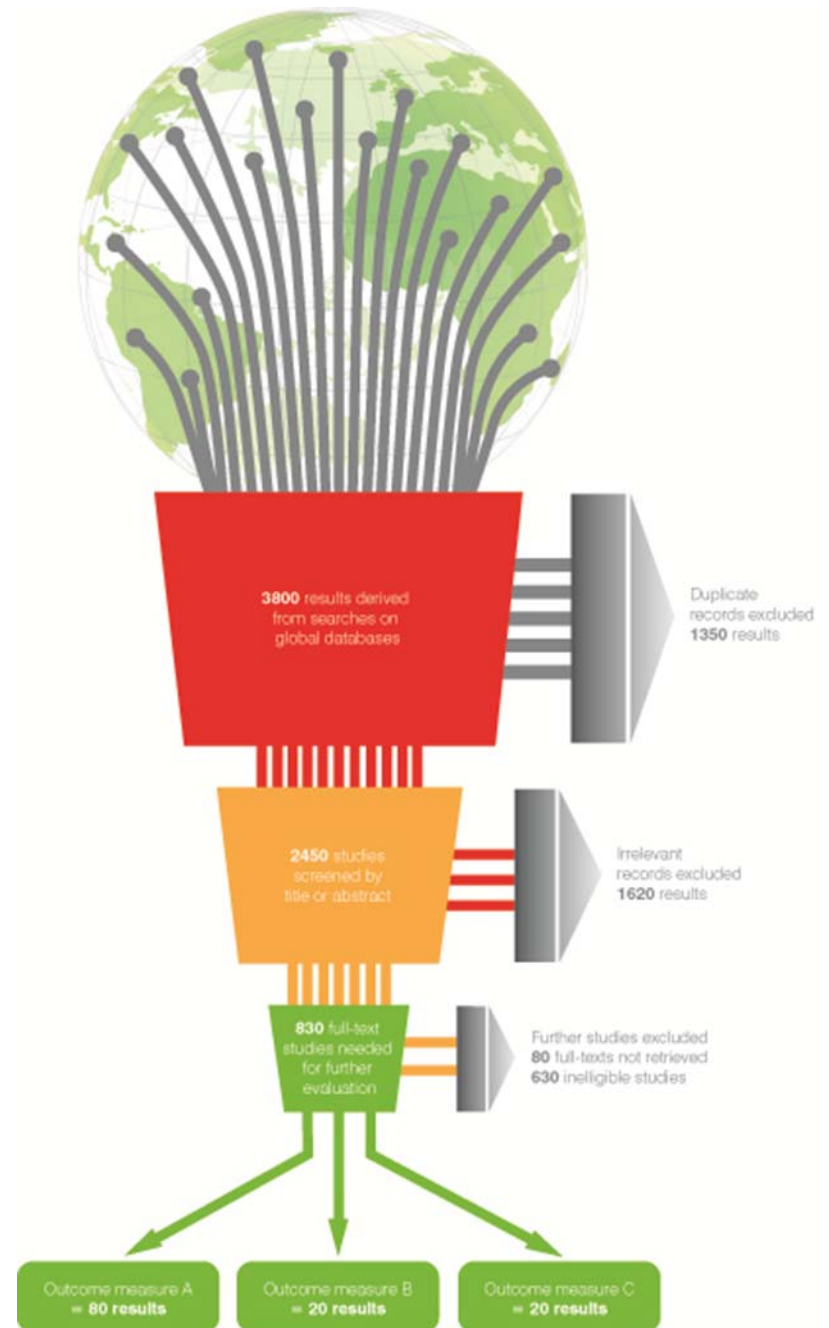
Systematic reviews

- summarises, evaluates and communicates results and implications of a large quantity of research and information



Systematic reviews

- **synthesises** results of many different studies examining the same question; studies that may have conflicting findings



Systematic reviews

We cover:

- agriculture
- pest management
- global health
- veterinary science and animal welfare
- international development

Mobile-based services

Mobile-based services

- CABI works with partners to provide **mobile services to farmers**, ensuring that they get the right information when they need it to grow more and lose less

Mobile-based services

- currently working with partners in **India** and **Africa** and looking to expand our work

Mobile-based services

- integrated access to information:
efficiencies could increase income by
up to **\$138 billion**

Mobile-based services

- Currently have over **6.4 billion** subscriptions

Plantwise, the food security programme

GOAL: To reduce crop loss by enabling development of national and regional **plant health systems** through a network of plant clinics run by extension providers, supported by the creation of an open access global knowledge bank for plant health

Grow more, lose less
Collect and share knowledge

Plantwise Knowledge Bank

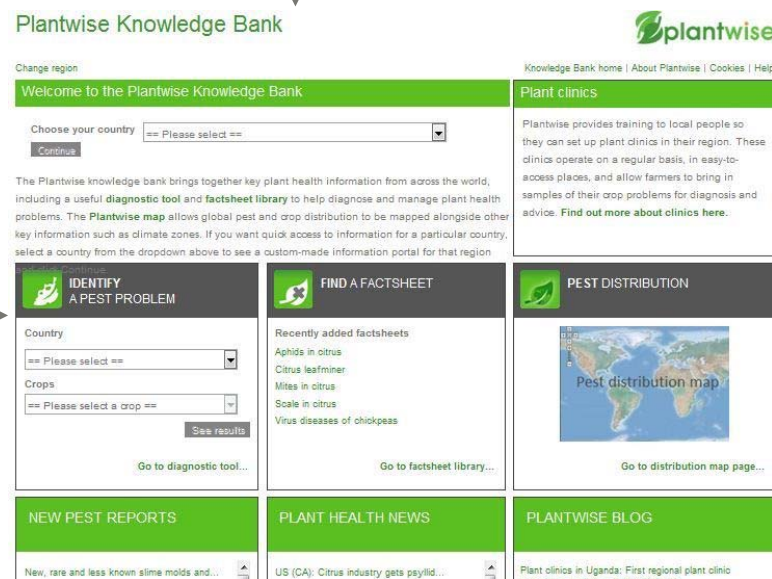
- A comprehensive online resource developed according to user needs for pest diagnosis and distribution, as well as plant health management. Features:
 - Country-specific webpages
 - Pest distribution maps
 - Pest alerts
 - Simple diagnostic tool
 - Factsheets and pest management decision guides
 - Open/restricted access to national plant clinic data

Combining Local & Global Channels of Plant Health Support

PLANT CLINICS



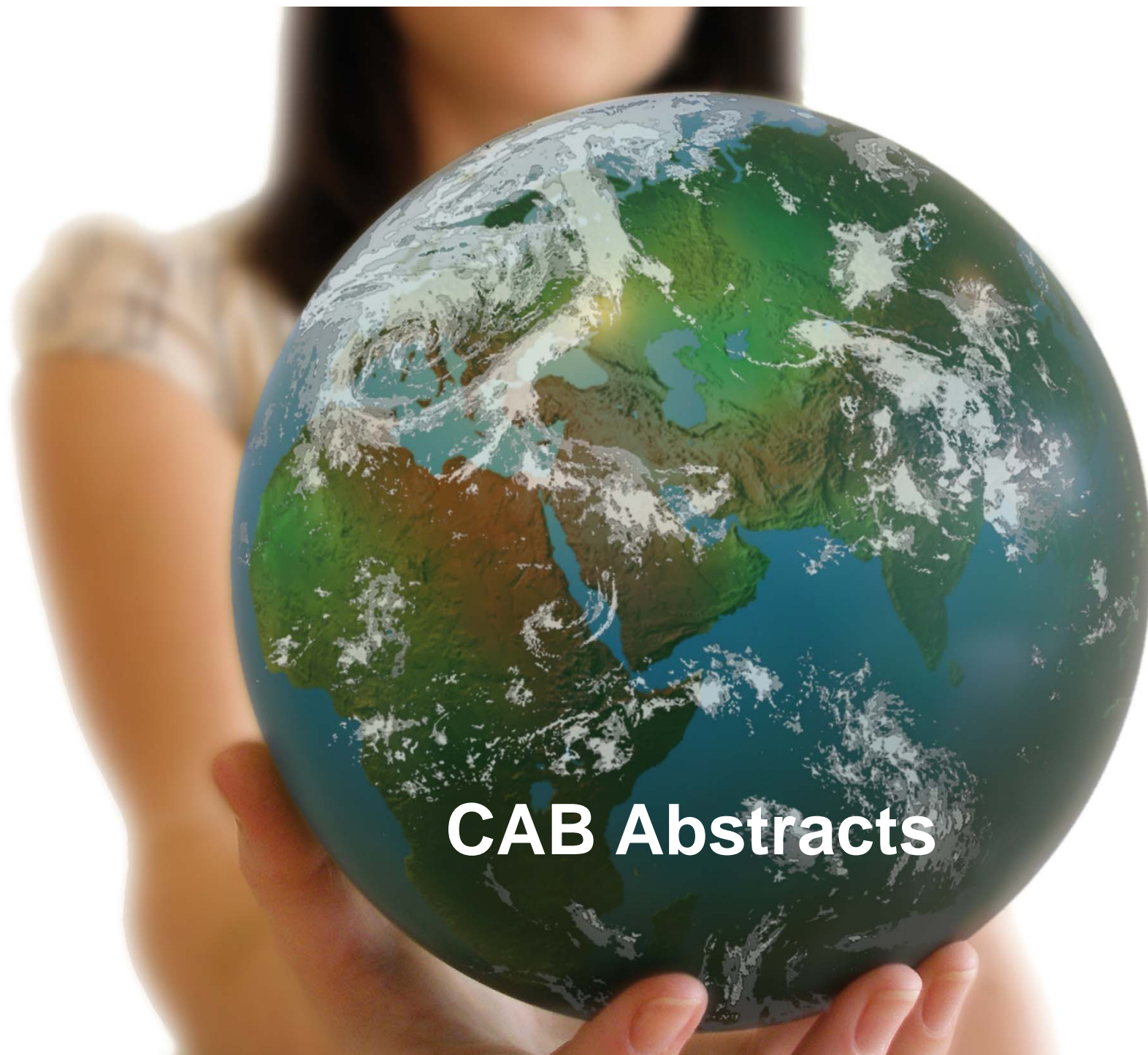
KNOWLEDGE BANK



Practical assistance for farmers

Public good: trade, knowledge, food security

Data for prevention, identification and management



CAB Abstracts

CAB Abstracts

- key resource for **applied life sciences** – agriculture, forestry, animal and vet sciences, soil science, and **nutrition, environment and leisure and tourism**

CAB Abstracts

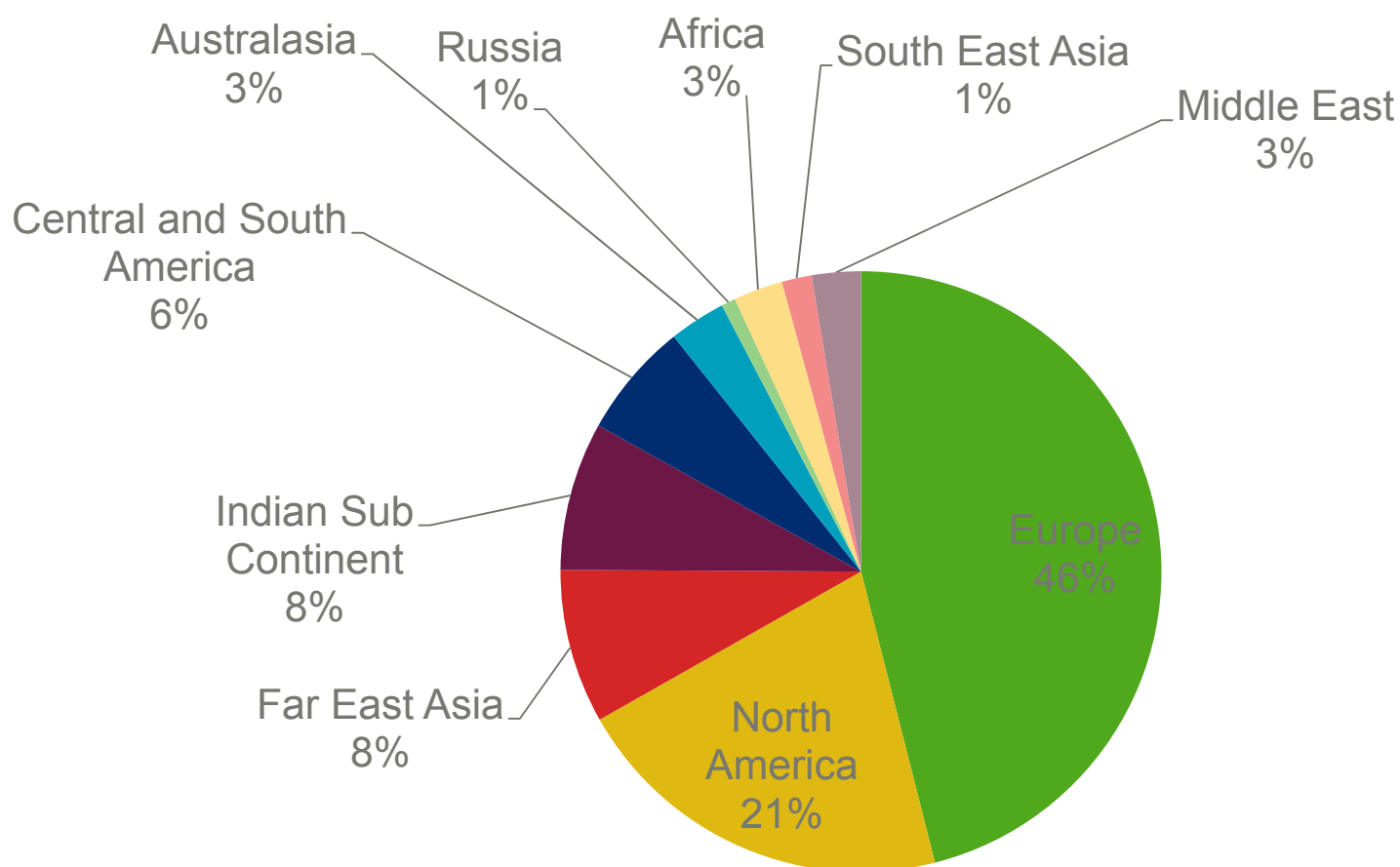
- over **7.25 million records**
- **363k** records added in 2012 (vs 350k in 2011)

CAB Abstracts

- **7836 serials indexed**, from 117 countries in over 50 languages
- over **199,000 Full Text Records** from over **600 journals** plus conferences – over 70% non-open access

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Geographic Coverage



AgBiotechNet

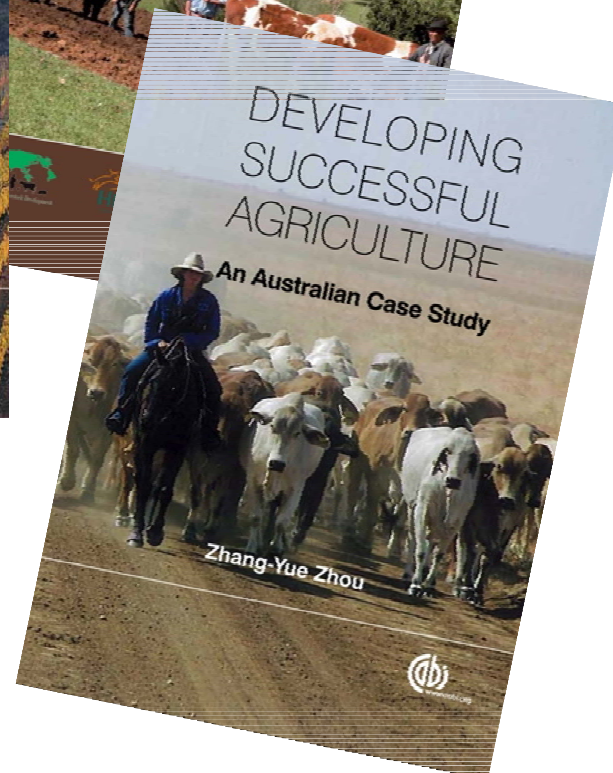
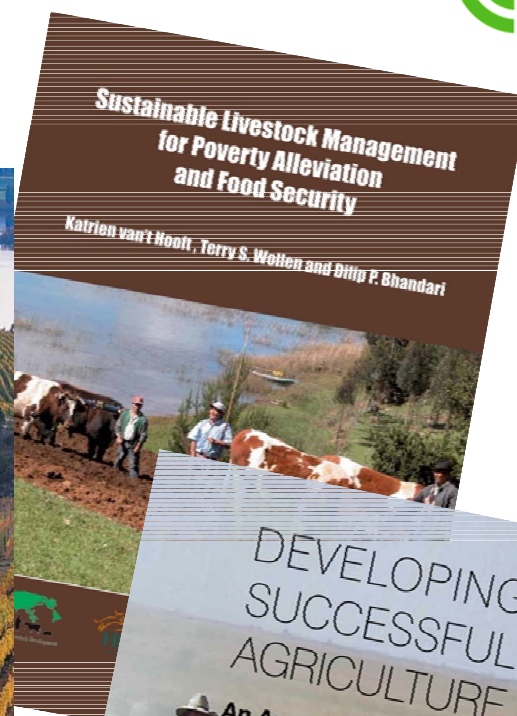
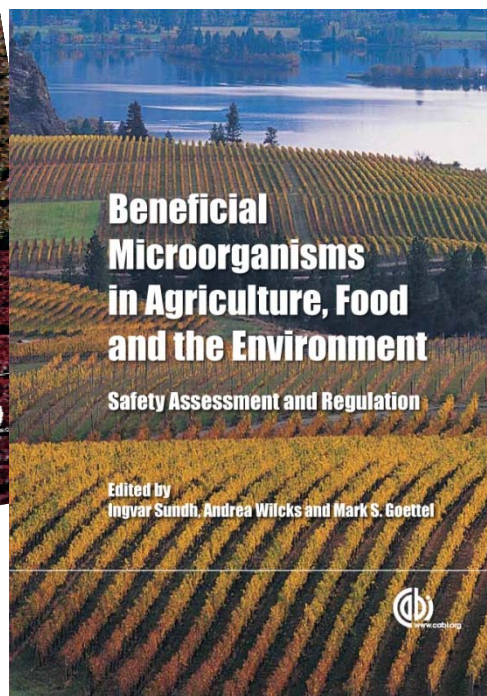
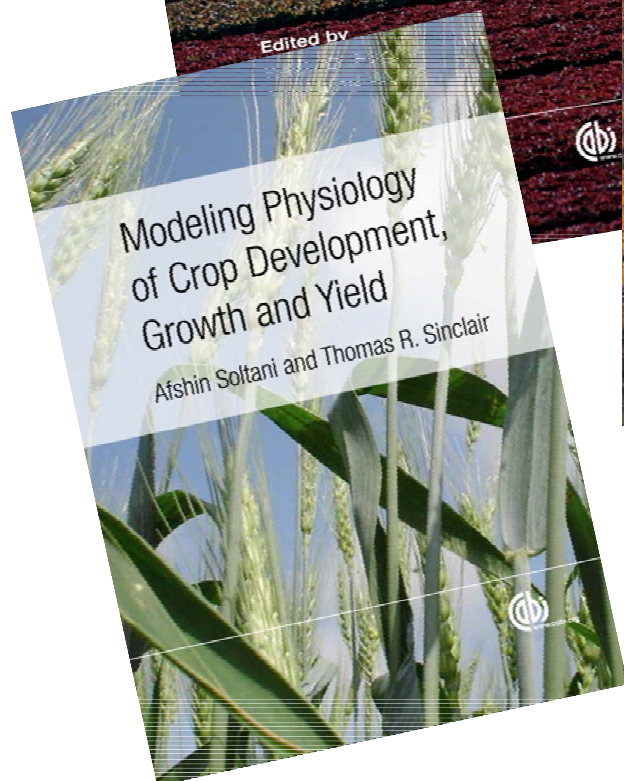
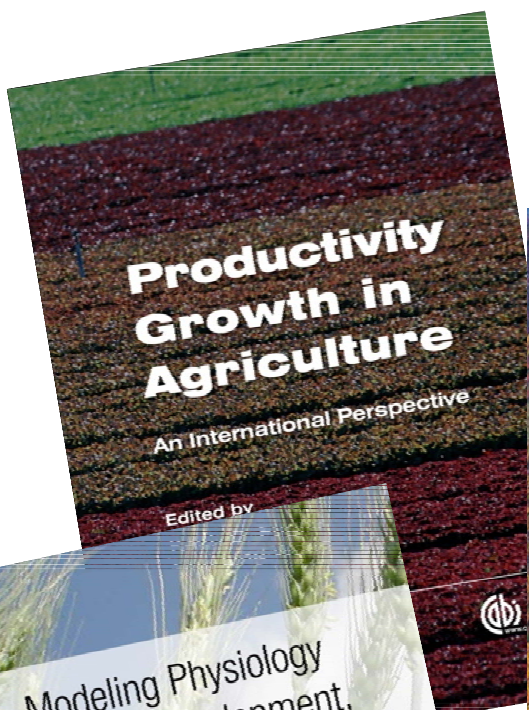
Online resources – AgBiotechNet

- the agricultural biotechnology database of indexed abstracts updated weekly and includes a backfile to 1973

Online resources – AgBiotechNet

- provides the latest information on agricultural biotechnology, covering genetic engineering, molecular genetics and in vitro culture of plants and animals

Books



Books

- CABI is a leading not-for-profit publisher, providing over 100 years of scientific information
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Books

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Books

- covering: agriculture and international development; plant sciences; microbiology and parasitology; environmental sciences; animal and veterinary sciences; human health and nutrition; and leisure and tourism