



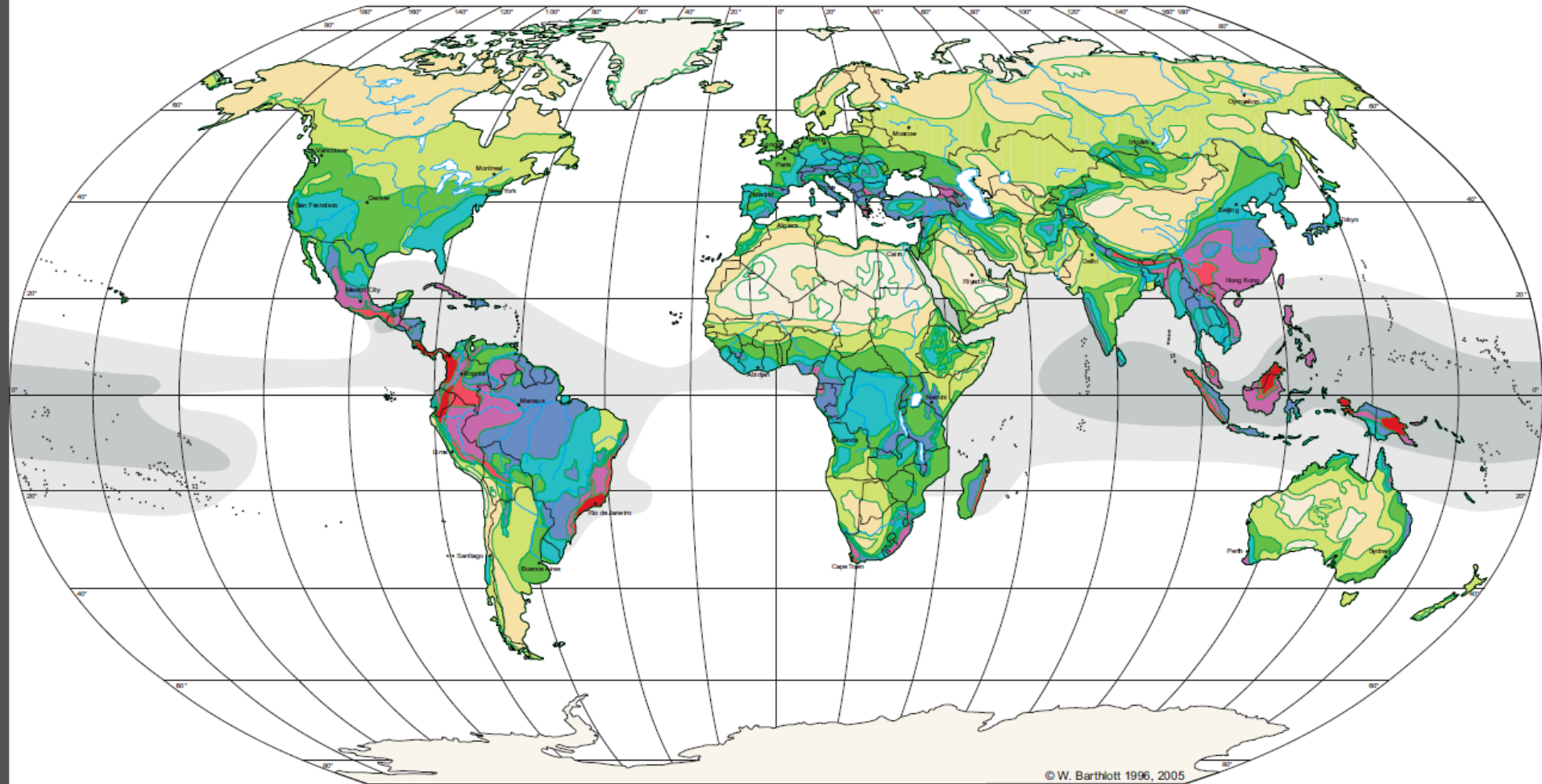
ORGANIC AGRICULTURE Inclusive Business Model for Rural Development and Poverty Alleviation

**APEC SYMPOSIUM ON INCLUSIVE BUSINESS IN AGRICULTURE, FORESTRY
AND FISHERIES FOR RURAL DEVELOPMENT AND POVERTY ALLEVIATION**

May 8, 2016 | APEC Symposium | Patricia FLORES, Regional Representative LA&C

Asian-Pacific Region: a privileged region

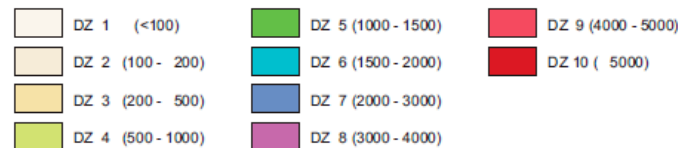
GLOBAL BIODIVERSITY: SPECIES NUMBERS OF VASCULAR PLANTS



© W. Barthlott 1996, 2005

Robinson Projection
Standard Parallels 38°N und 38°S

Diversity Zones (DZ): Number of species per 10 000km²

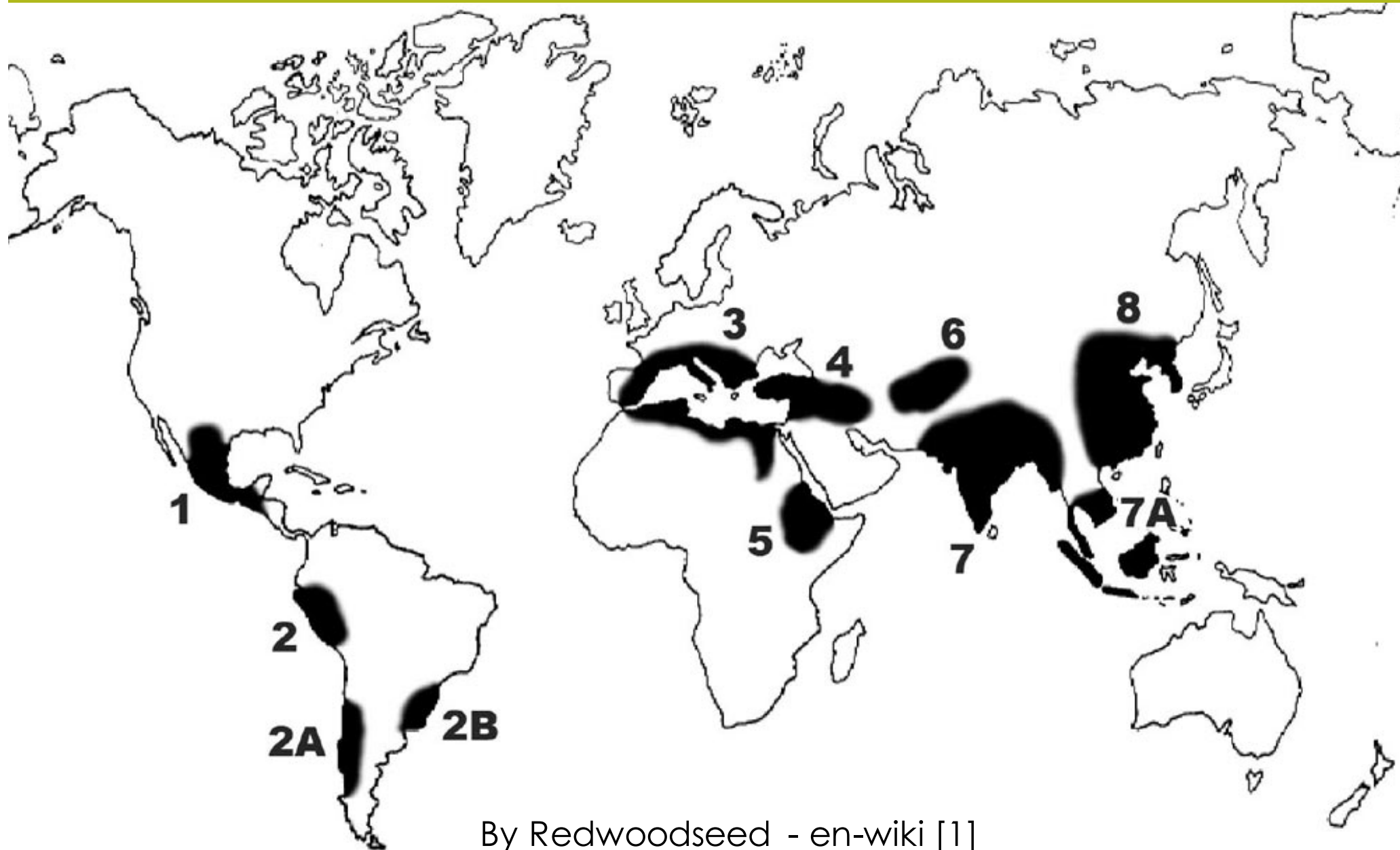


sea surface temperature



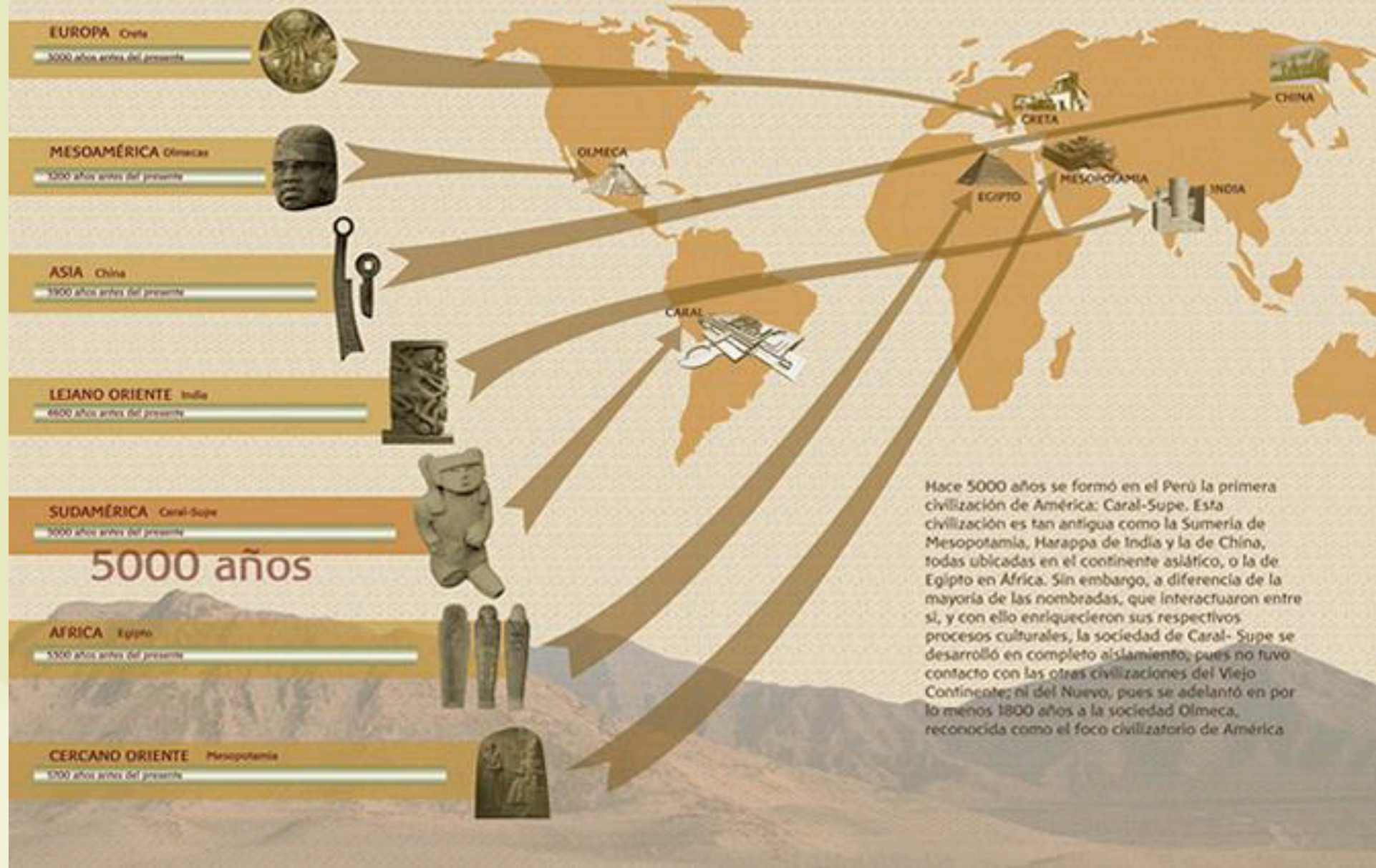
W. Barthlott, G. Kier, H. Kreft, W. Küper, D. Rafiqpoor,
& J. Mutke 2005
modified after
W. Barthlott, W. Lauer & A. Placke 1996
Nees Institute for Biodiversity of Plants
University of Bonn

Asian-Pacific Region: a privileged region



By Redwoodseed - en-wiki [1]

La Civilización de Caral-Supe en el proceso cultural mundial



Living culture



Living culture

Native potatoes -

Hanco Family, Pampacorral,
Cuzco, Peru.
4,000 meters above the sea level.





The Principles of Organic Agriculture



Organic Agriculture

is based on: **The principle *of* health**

The principle *of* ecology

The principle *of* fairness

The principle *of* care

Each principle is articulated through a statement followed by an explanation. The principles are to be used as a whole. They are composed as ethical principles to inspire action.

Definition of Organic Agriculture

- "Organic Agriculture is a production system that sustains the health of **soils, ecosystems** and **people**. It **relies on ecological processes, biodiversity and cycles adapted to local conditions**, rather than the use of inputs with adverse effects. Organic Agriculture combines **tradition, innovation** and **science** to benefit the shared environment and promote **fair relationships** and a good **quality of life** for all involved."

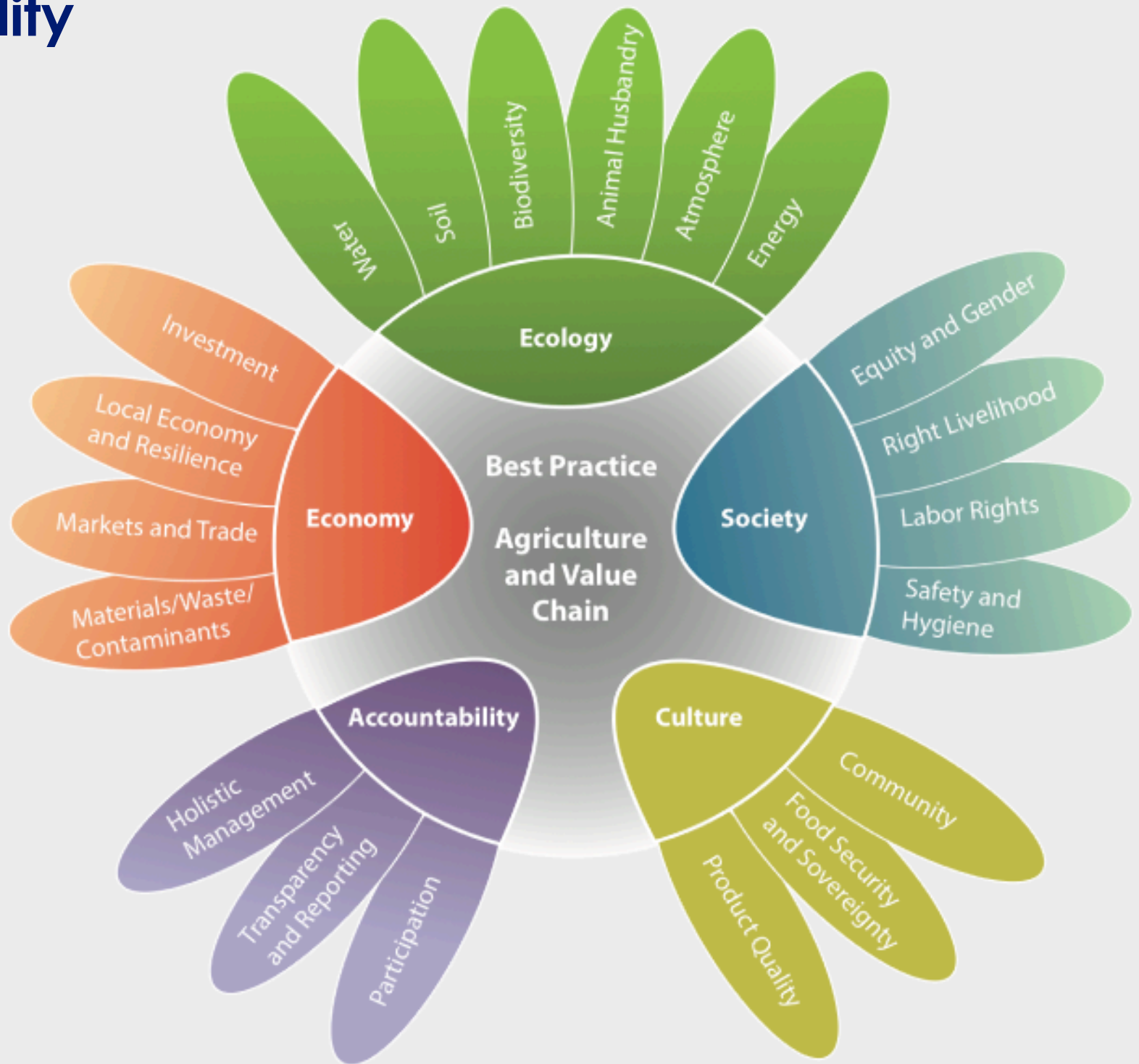


Sustainability

Flower

SOAAN

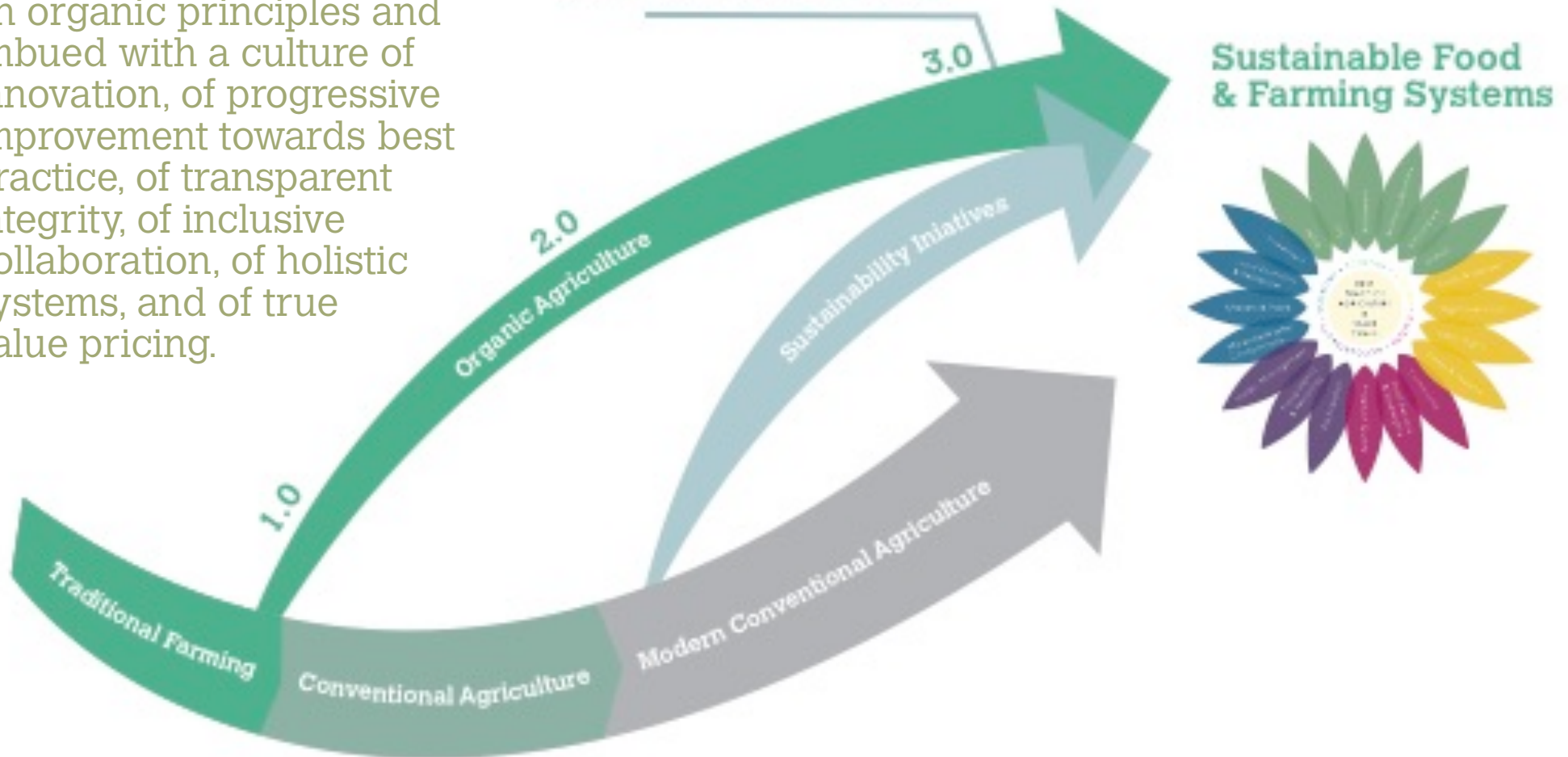
2013



Organic 3.0

The overall goal of **Organic 3.0** is to enable a widespread uptake of truly sustainable farming systems and markets based on organic principles and imbued with a culture of innovation, of progressive improvement towards best practice, of transparent integrity, of inclusive collaboration, of holistic systems, and of true value pricing.

- #1 A culture of innovation
- #2 Continuous improvement towards best practice
- #3 Diverse ways to ensure transparent integrity
- #4 Inclusive of wider sustainability interests
- #5 Holistic empowerment from farm to final consumer
- #6 True value and fair pricing





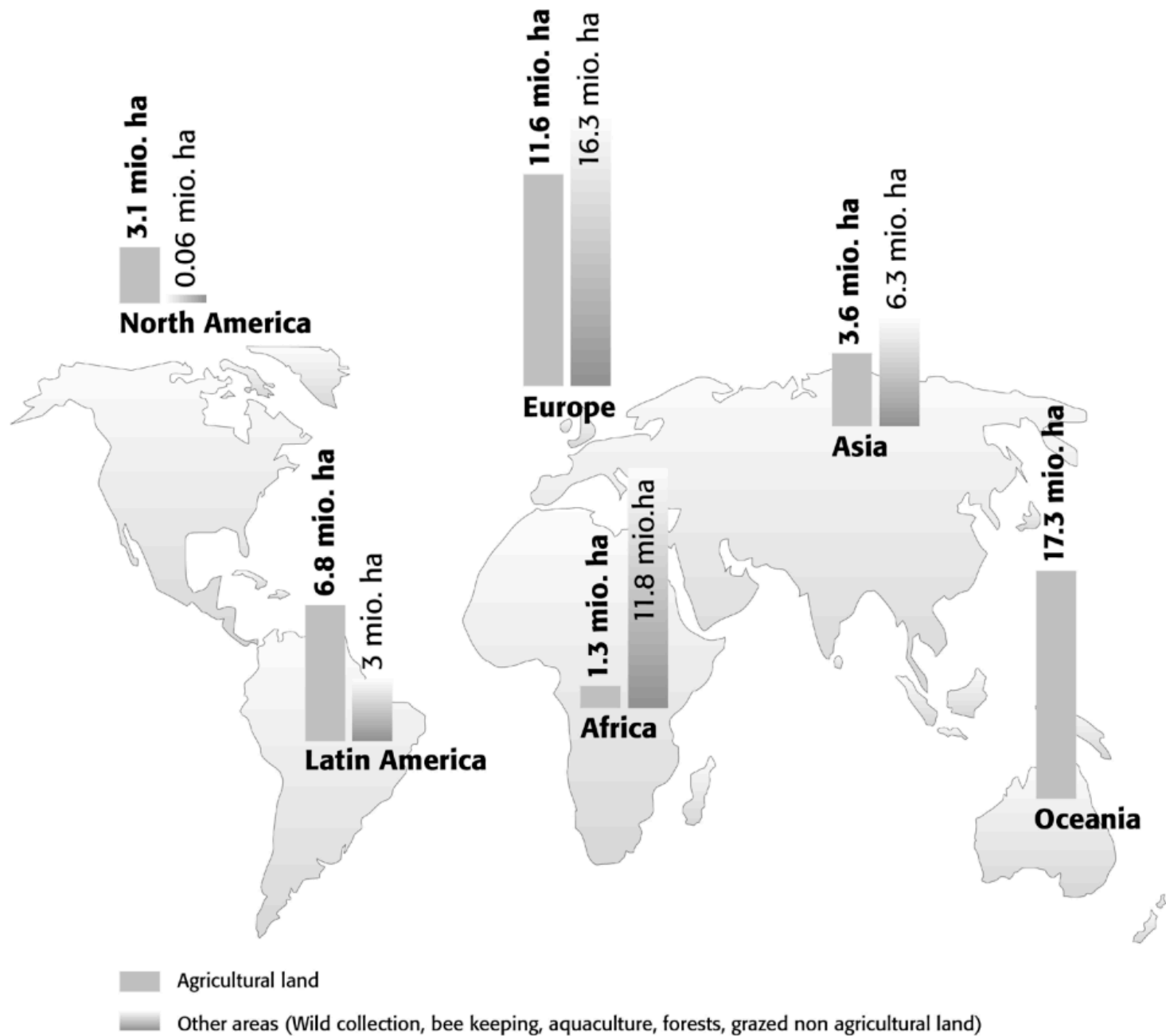
FiBL & IFOAM - ORGANICS INTERNATIONAL

THE WORLD OF ORGANIC AGRICULTURE

STATISTICS & EMERGING TRENDS 2016



Supported by



Map 1: Organic agricultural land and other non-agricultural areas in 2014

Source: FiBL survey 2016

Growth of the organic agricultural land 1999-2014

Source: FiBL-IFOAM-SOEL-Surveys 1999-2016

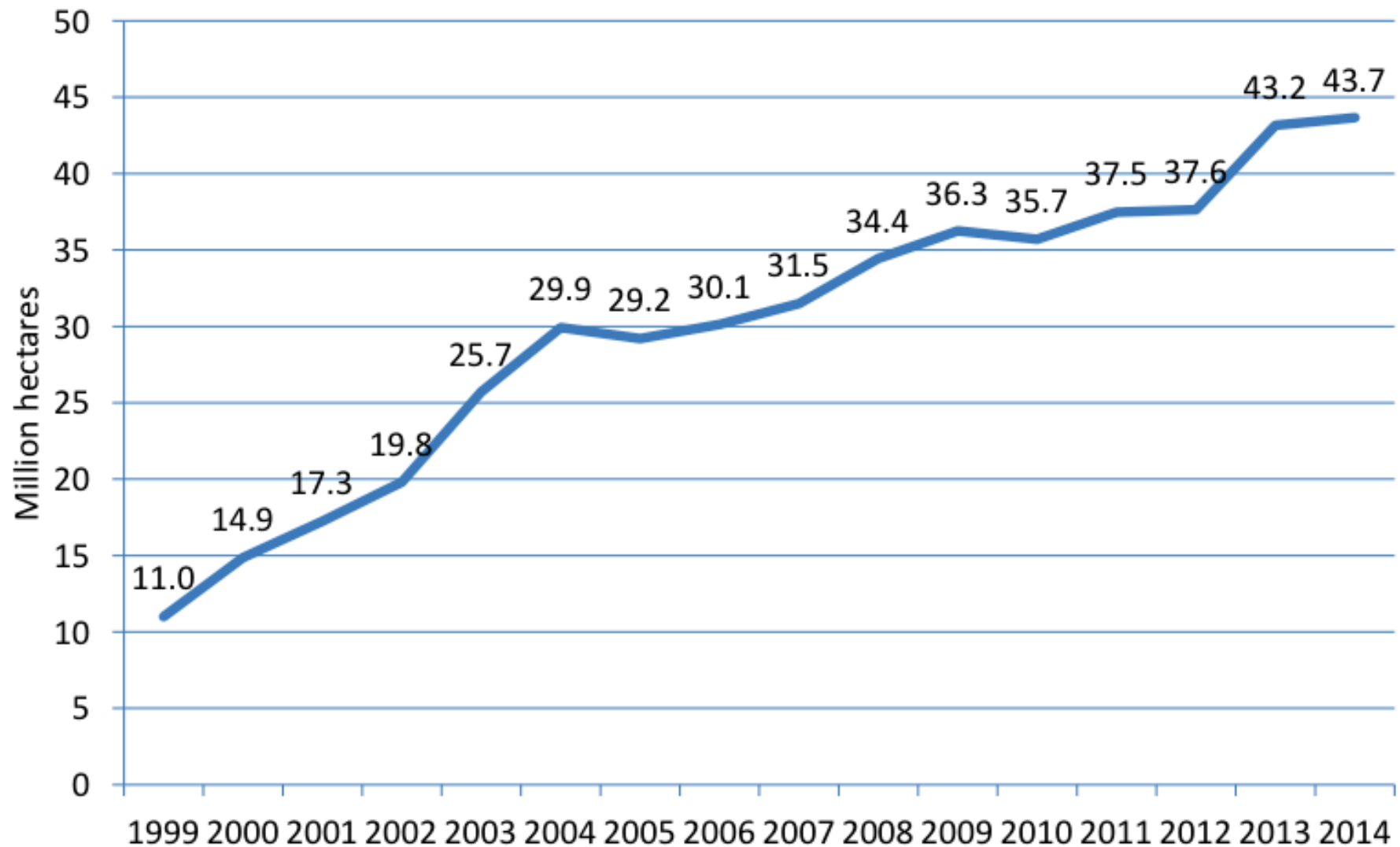


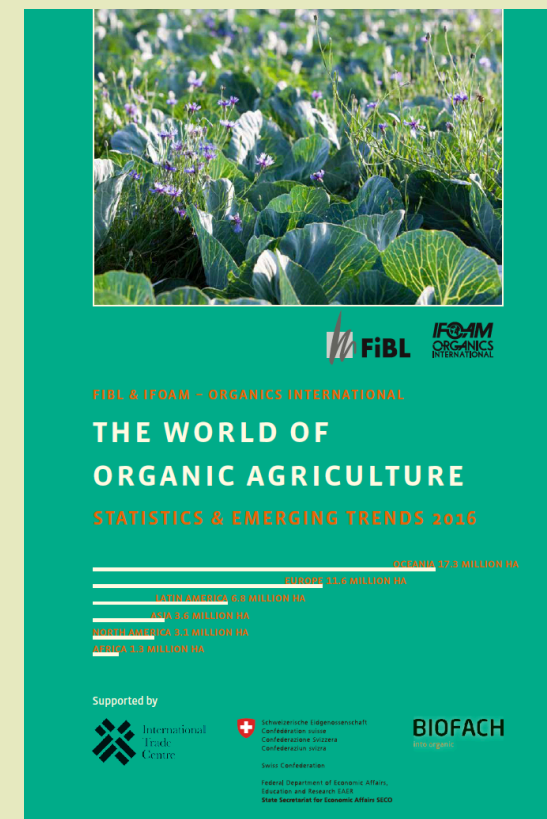
Figure 5: World: Growth of the organic agricultural land 1999-2014

Source: FiBL-IFOAM-SOEL surveys 2000-2016

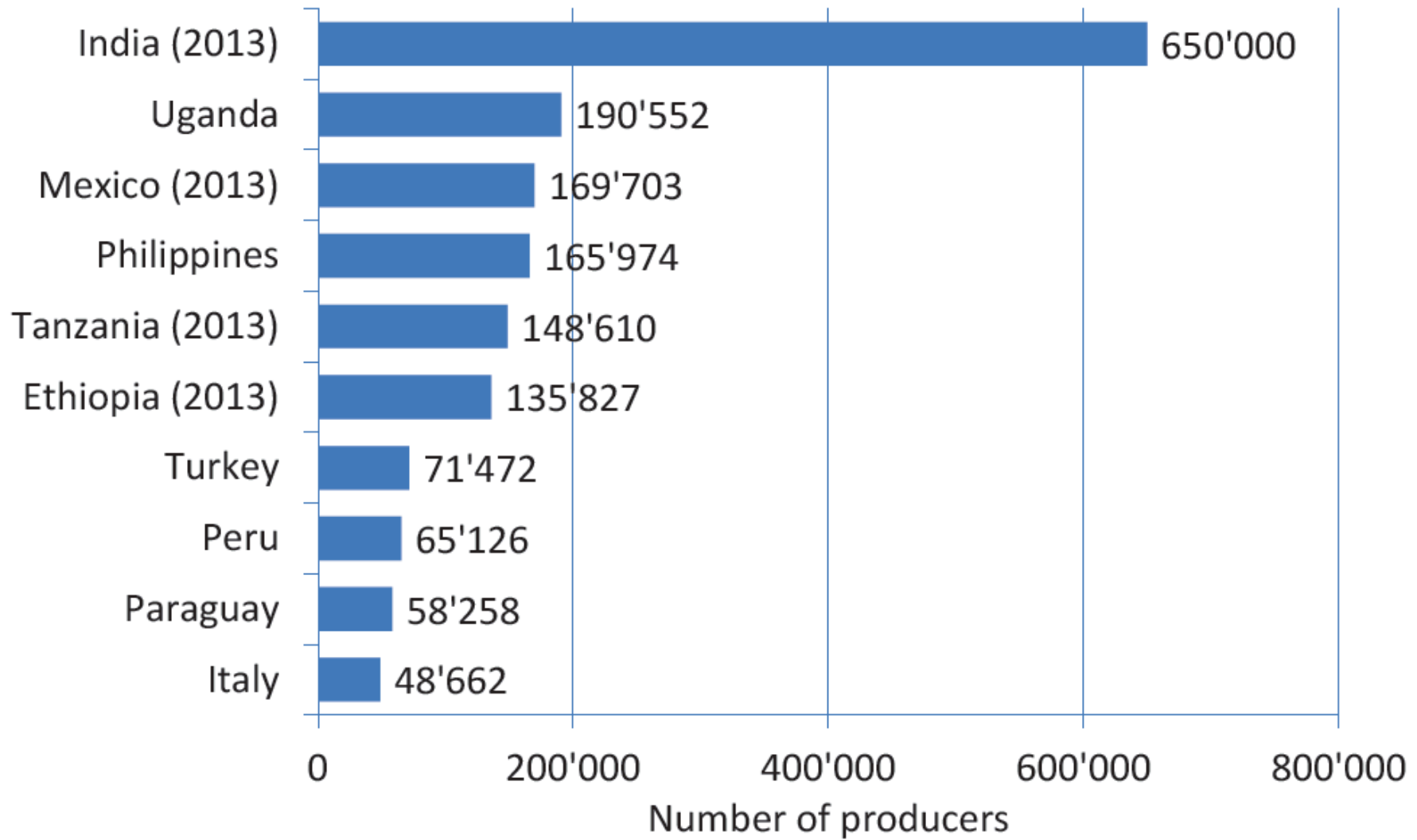
Organic Agriculture 2016: Key Indicators and Top Countries

Indicator	World	Top countries
Countries with organic activities ¹	2014: 172 countries	New countries: Kiribati, Puerto Rico, Suriname, United States Virgin Islands
Organic agricultural land	2014: 43.7 million hectares (1999: 11 million hectares)	Australia (17.2 million hectares; 2013) Argentina (3.1 million hectares) US (2.2 million. hectares, 2011)
Organic share of total agricultural land	2014: 0.99 % ²	Falkland Islands (Malvinas) (36.3 %) Liechtenstein (30.9 %) Austria (19.4 %)
Wild collection and further, non-agricultural areas	2014: 37.6 million hectares (1999: 4.1 million hectares)	Finland (9.1 million hectares) Zambia (6.8 million hectares) India (4 million hectares)
Producers	2014: 2.3 million producers (1999: 200'000 producers)	India (650'000; 2013) Uganda (190'552) Mexico (169'703; 2013)
Organic market size	2014: 80 billion US dollars (1999: 15.2 billion US dollars)	US (35.9 billion USD; 27.1 billion euros) Germany (10.5 billion USD; 7.9 billion euros) France (6.8 billion USD; 4.8 billion euros)
Per capita consumption	2014: 11 US dollars (14 euros) ³	Switzerland (221 euros) Luxemburg (164 euros) Denmark (162 euros)
Number of countries with organic regulations	2015: 87 countries	
Number of IFOAM affiliates	2015: 784 affiliates from 117 countries	Germany - 91 affiliates China - 57 affiliates India - 44 affiliates USA - 40 affiliates

Source: FiBL survey 2016, based on national data sources and data from certifiers
Global market: Organic Monitor 2016



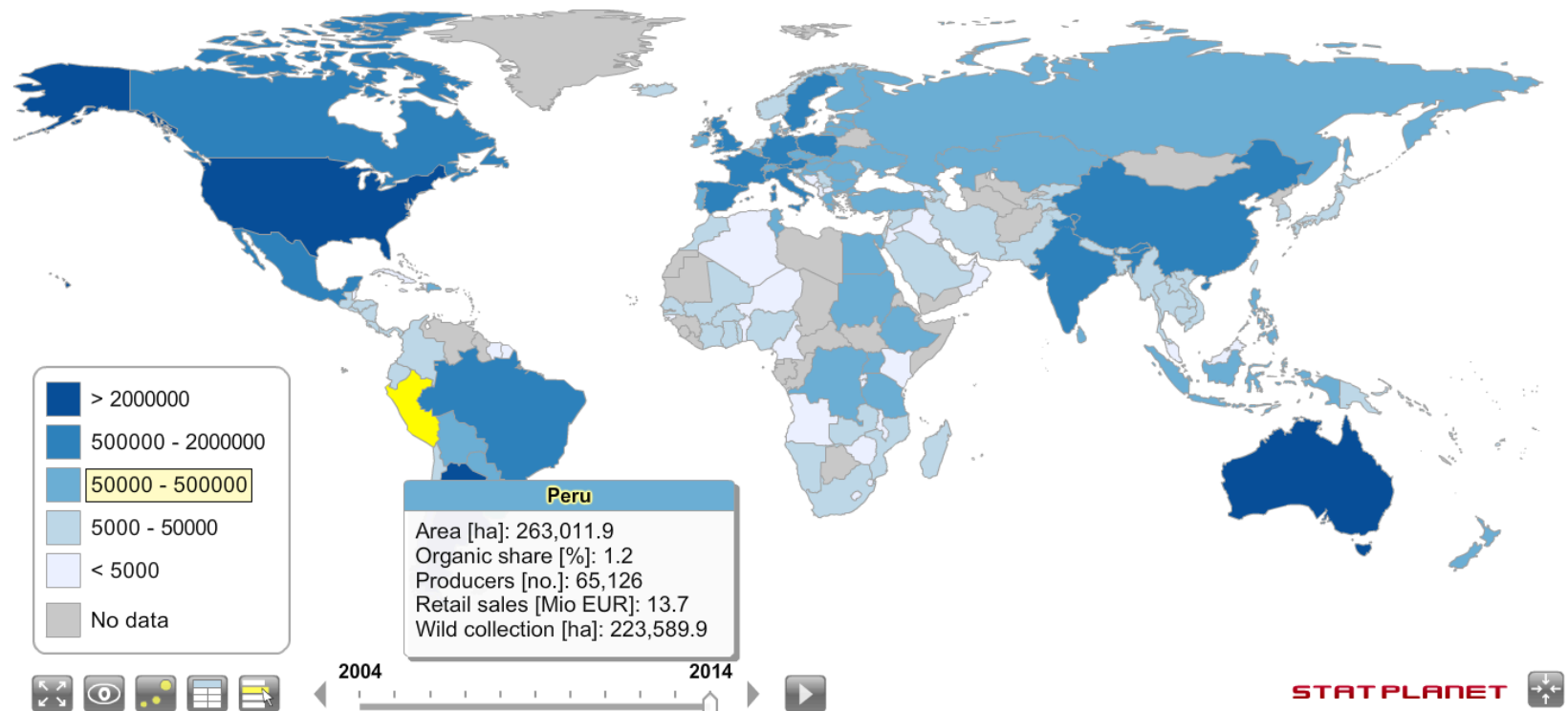
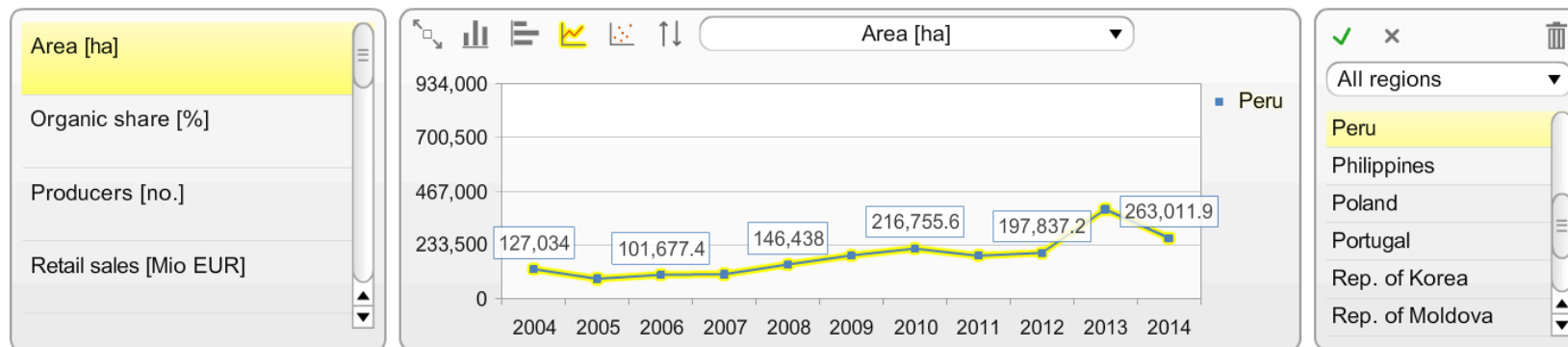
Organic farmers



Map with key data on organic agriculture (area, producers, retail sales) 2004-2014

For data revisions and additions please write to ✉ [helga.willer\(at\)fibl.org](mailto:helga.willer(at)fibl.org).

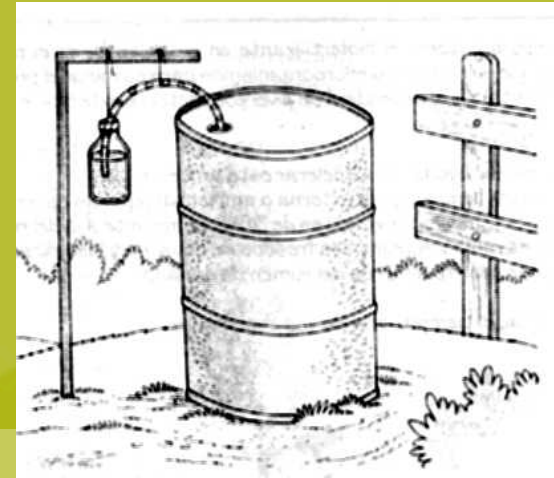
Last update: February 2016.



EQUITOOL : COROS (IFOAM, FAO, UNCTAD)

<http://www.ifoam.bio/en/coros>

- Equitool (2008)
 - Protocol, common procedures to establish equivalence.
 - Terms of Reference between parts to proceed with the comparison of standards
- COROS (Common Objectives and Requirements of Organic Standards)
 - Contains requirements that have been found common across many private and government organic standards.



Trichoderma spp
Biological control of pests

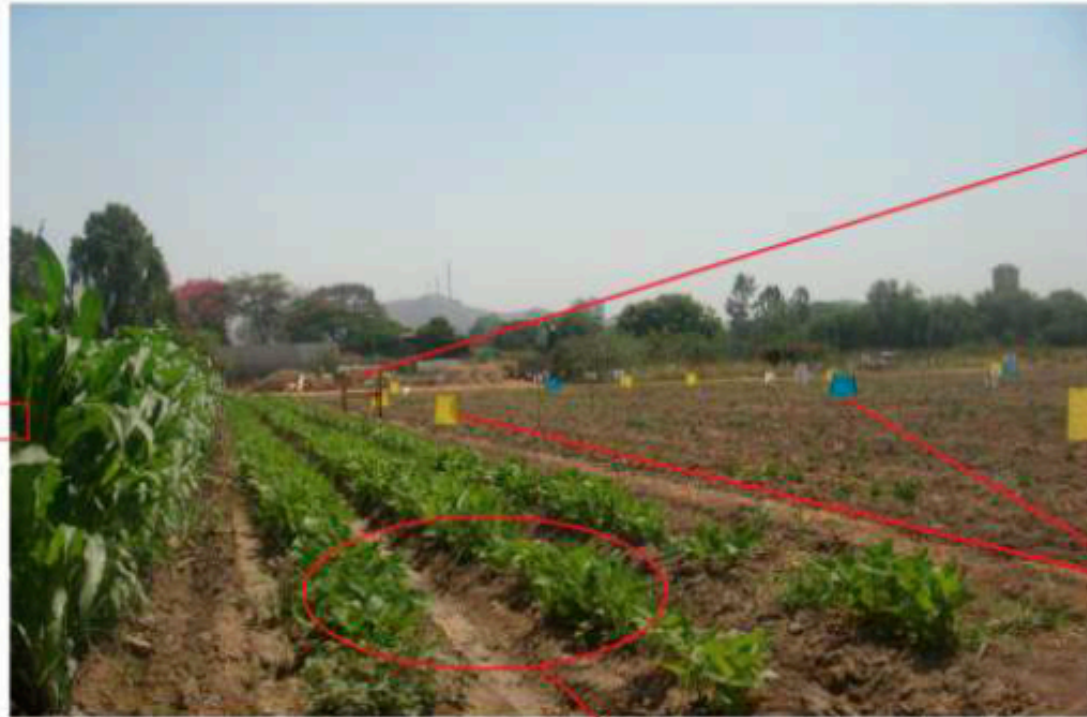




Field trials – Research

Ecological management of pests in *Capsicum* fields

MANEJO ECOLOGICO DE PLAGAS EN CAMPO DE *CAPSICUM*



Maize hedges

CERCO DE MAIZ

Atracción de controladores biológicos)



Chrysopa externa
(controlador de larvas y huevos de insectos)



Aphidius sp.
(parasitoida de áfidos)

Bean rows

LINEAS CON FRIJOL

(Uso como planta trampa y refugio de controlador biológico de mosca blanca)



Encarsia pergandiella
(parasitoida de ninfas de mosca blanca)

Molasses traps

TRAMPA DE MELAZA
(Captura de adultos de lepidopteros)



Adulto y larva de *Scodophora andarta*
(larva come hojas, tallos y frutos de Capsicum)



Adulto y larva de *Heliothis virescens*
(larva come los frutos de Capsicum)

Sticky traps

TRAMPAS PEGANTES
(Según el color para evaluación y control de plagas como mosca blanca, thrips, pulgones, etc.)



Encuétranos en: www.festivalagrobiodiversidad.wordpress.com / www.anpeperu.org 

Festival Nacional de la Agrobiodiversidad

Frutos de la tierra

“Los productores ecológicos somos los guardianes de la biodiversidad y la seguridad alimentaria”



Museo de la Biodiversidad



Intercambio de semillas



Exposición y venta de productos ecológicos



Degustaciones



Campaña **CRÈCE**
CULTIVANDO LA TIERRA



Danzas, banda de música y más..

120 guardianes de la biodiversidad
productos ecológicos de **22** regiones

Del 22 al 24 de junio
Parque de la Exposición

Organizadores:





Photo: IDMA

p.flores@iffoam.bio

THANK YOU!

www.iffoam.bio