

GIAHS GIAHS





GIOBALLY Important AGRICULTURAL HERITAGE SYSTEMS GIAHS From Concept to Implementation

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FEW WORDS ABOUT WAHF An International NGO, Similar to IFLA, ICOMOS or ICCROM in the context of World Heritage Convention of UNESCO, to Support FAO and

- **GIAHS in its mission:**
- Technical Assistance
- Fund Raising,
- Education & Training
- Advocacy



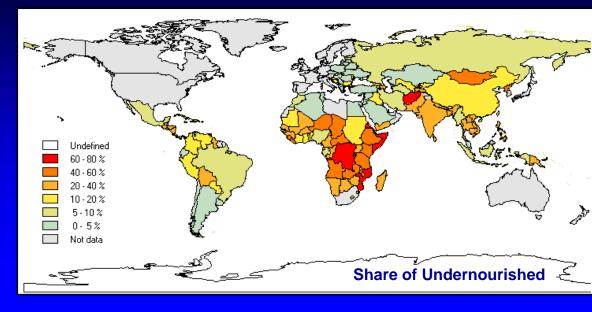
Current Food System

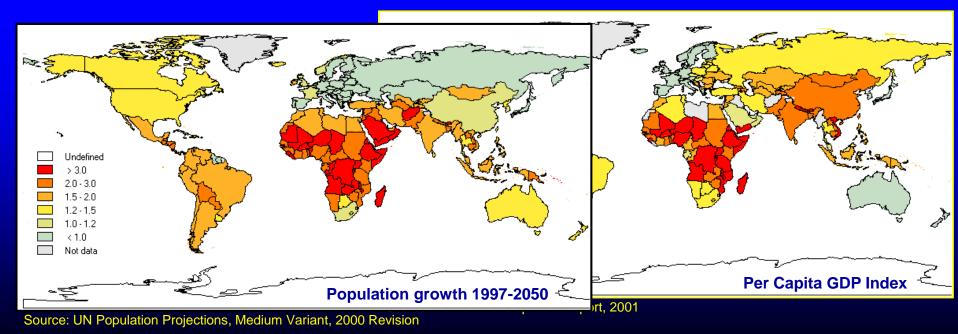
- Over 7 <u>b</u>illion people more than half of them in the cities
- Near1 billion have too little to eat
- 1.6 billion eat too much
- Wasting > 30% of food



Food Security and Climate Change

Those with least resources have least capacity to adapt and are most vulnerable





Food Security and Public Health non-communicable diseases

China

more meat, oil in diet overweight 25.4% obesity in some cities: 20.0%

Japan

obesity: 20%* 3x increase (1962-2015)

Thailand

overweight: 32.3% obesity: 8.8%

USA

overweight: 70.8 obesity: 33.0

UK

overweight: 64.2 obesity: 26.9



Food insecurity Changing Diet, Nutrition, health

Hidden hunger: Missing micronutrients: >More than 2 billion worldwide mostly women and children **Too much to eat: More than 1.4 Billion** > Type 2 diabetes, obesity, heart disease, cancers, etc.

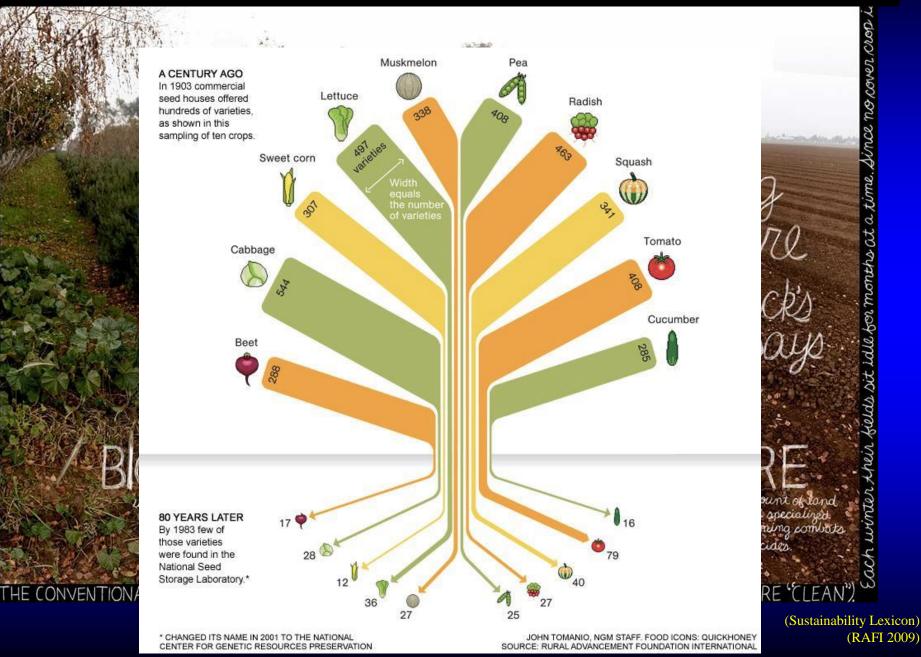
Loss of Diversity and and Plant Genetic resources

Lop.

soil away,

leases

carbon back



Loss of Rice diversity



Loss of Potato Diversity



Loss of Functional Biodiversity

Biodiversity is: "The life insurance policy for life itself"



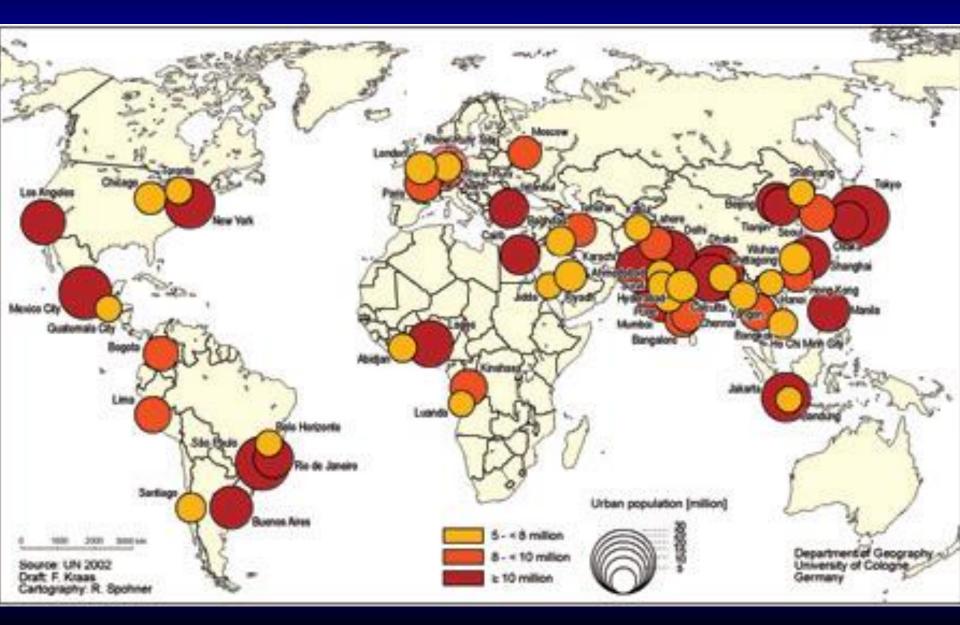
Towards 2050... food requirements

food production needs

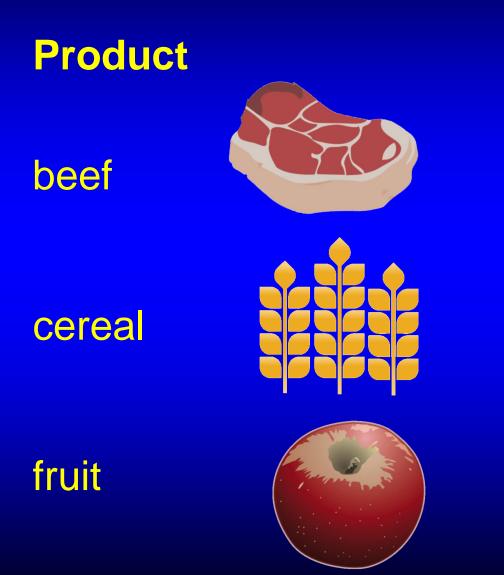
colobally

H 100% in developing countries

Feeding Megacities



changing diets and Water



liter/kg

15 000

1 500

1 000

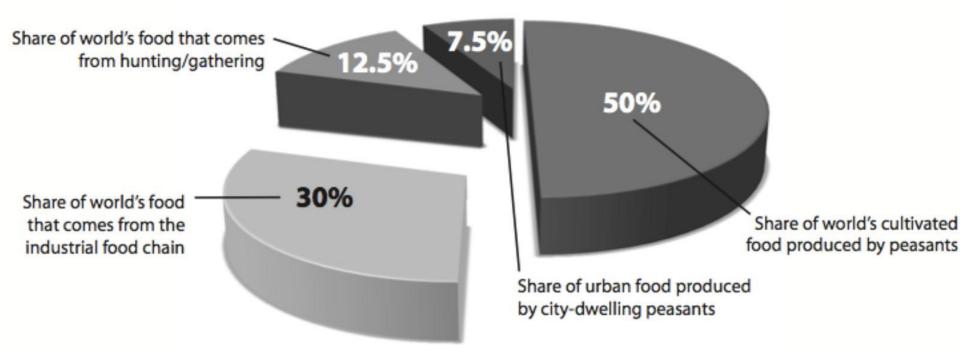
The Challenges Ahead Require: A Paradigm Shift in Agricultural Development and Food Policies

addressing Poverty food security, health and nutrition problems While Sustaining Natural Resources Base and facing C.C. A major Challenge and opportunity: Small holders and Family Farming

- Produce the bulk of the global food (more than 70%)
- Are the largest number of Guardians of environment and its services including biodiversity,
- Higher and sustainable productivity increase at their level will have a major impact on poverty reduction, economic growth and climate change mitigation and adaptation :Win Win Win ...

Who feeds us today???

Peasants Feed at Least 70% of the World's Population



Need for Sustainable Foosd System



Investing in All Assets of Rural Systems (livelihoods, communities, economies)

Natural Capital:

nature's goods and services (waste assimilation, pollination, storm protection, water supply, wildlife)

Social Capital:

cohesiveness of people and societies trust, reciprocity, rules and norms, networks and institutions

Physical Capital: Infrastructure, roads

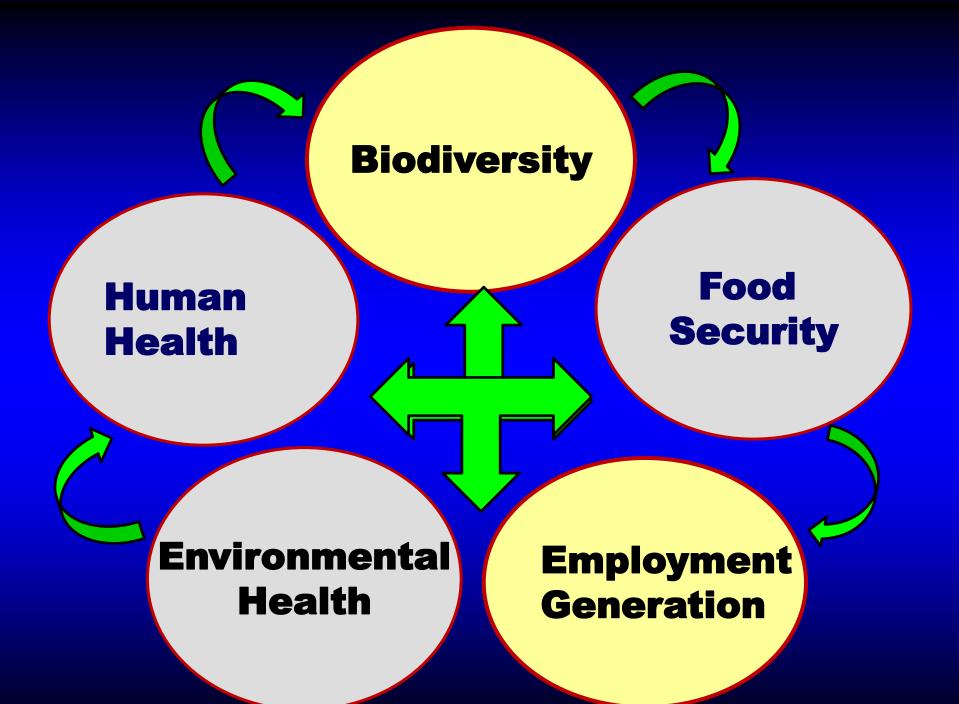
markets

Human Capital: the status of individuals health, skills, knowledge

Financial Capital: money, savings

Bringing together

 Ecosystem Diversity **o Socio-economic Diversity o Cultural Diversity o Culinary Diversity** Curative Diversity



Bringing Culture in Agri-Culture

Culture is: Standing on the shoulders of ancestors



Linking Global to local

and local to global



Using Agro-ecological strategies

Polycultures

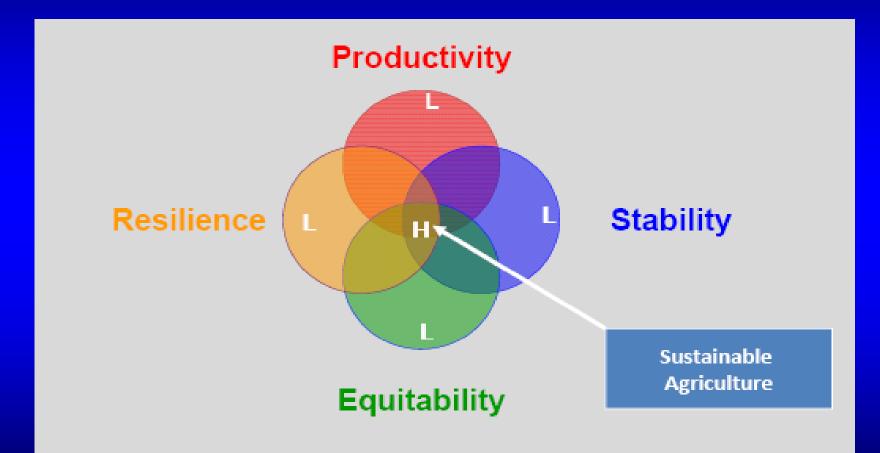
Animal integration

Organic \amendments

Green manuares

Rotations

Minimising the trade-offs



Source: G Conway, 2009

Empowering women and Working with local communities



Intensification without Simplification

Conservation and Adaptive management of

GLOBALLY IMPORTANT AGRICULTURAL HERITAGE SYSTEMS





What are GIAHS? "Remarkable Land Use Systems and landscapes which are rich in biological diversity evolving from the coadaptation of a community and their needs and aspirations for sustainable development with its environment (FAO, 2002)"

Unique Agricultural Heritage Systems at risk



Ifugao Rice Terraces, Philippines



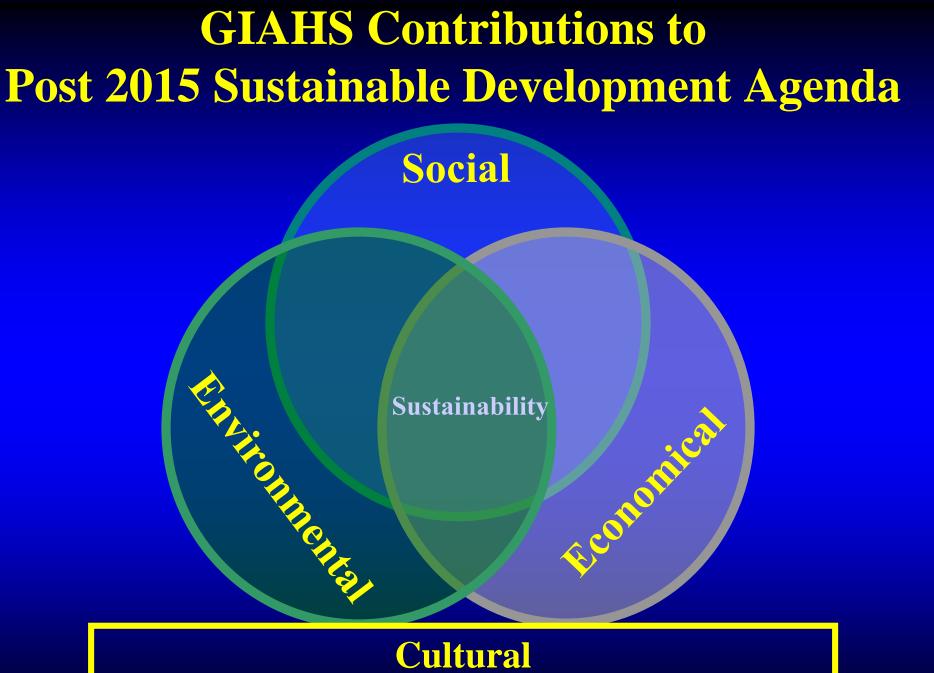
Oases of the Maghreb





Peru, Ecuador, Bolivia

Satoyama systems Japan



Values, traditions, behaviors, relationship

Mission

To identify, support and safeguard Globally Important Agricultural Heritage Systems and their livelihoods, agricultural and associated biodiversity, knowledge systems, cultures and landscapes around the world

Strategic Objective

> At Global level

Identification, selection and recognition of GIAHS

At National level

Capacity building in policy, regulatory and incentive mechanisms to safeguard these outstanding systems and use them as sustainability bench mark systems

At Local Level

Empowerment of local communities and technical assistance for sustainable resource management, promoting traditional knowledge and enhancing viability of these systems through economic incentives



GIAHS CRITERIA

- ⇒ Food and livelihood security
- Biodiversity and genetic resources
- Indigenous and Local knowledge of individuals and community
- Cultural Diversity of Agri-"Culture" including product and service diversity
- Landscape diversity and aesthetic values

Way to GIAHS recognition

Dynamic conservation of GIAHS

Designation and listing

Implementation of Action Plan & monitoring

Review and confirmation

Submission for GIAHS

application

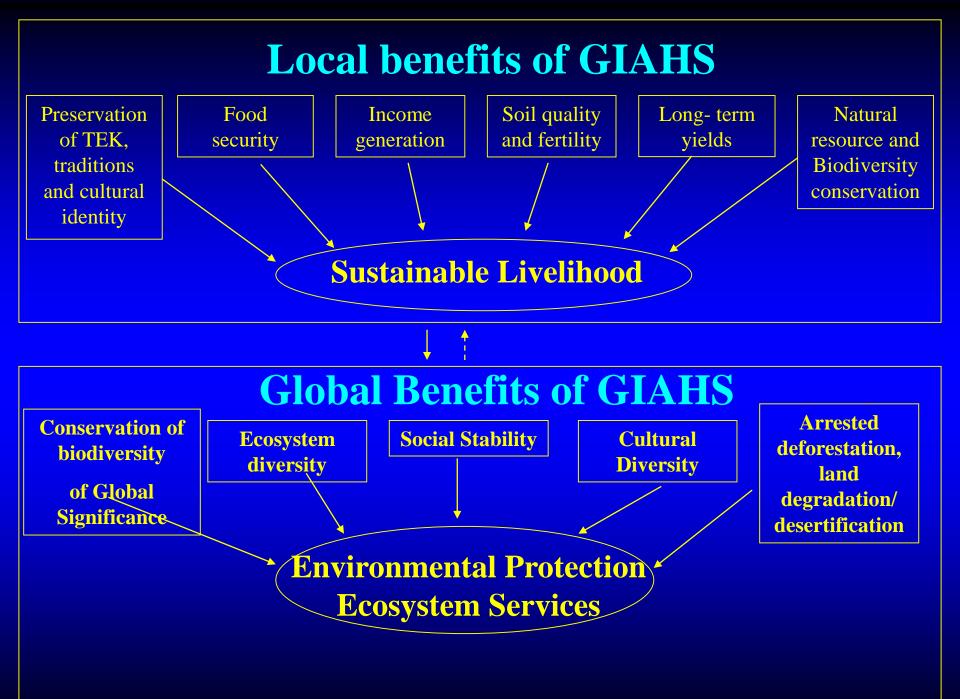
Formulation of proposal incl. action plan

Dynamic Conservation

HOW to convert Good and Services of GIAHS into marketable incomes and better livelihoods?



Recognition of Farmers, Recognition of their important contribution to their sustainable livelihood through GIAHS



50 Sites Recognised by FAO in 25 Countries



Many others waiting the recognition

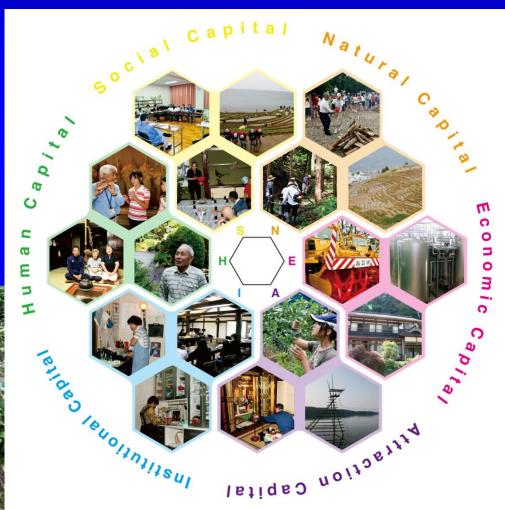
GIAHS sets up a new win-win model Food labeling and niche market in China



Agri-Tourism (Attractions: Natural Resources)

the extent to which GIAHS sites are used as the basis of local, national or international tourism

- Tourism activities related to agriculture, forestry, food processing and rural areas such as :
- Ecotourism
- Garden tourism
- Village tourism
- Wine tourism
- Dairy tourism
- RURAL TOURISM



NIAHS Policy

农业部文件

农企发[2012]4号

农业部关于开展中国重要农业文化遗产 发掘工作的通知

各省、自治区、直辖市及计划单列市休闲农业行政管理部门,新疆 生产建设兵团农业局:

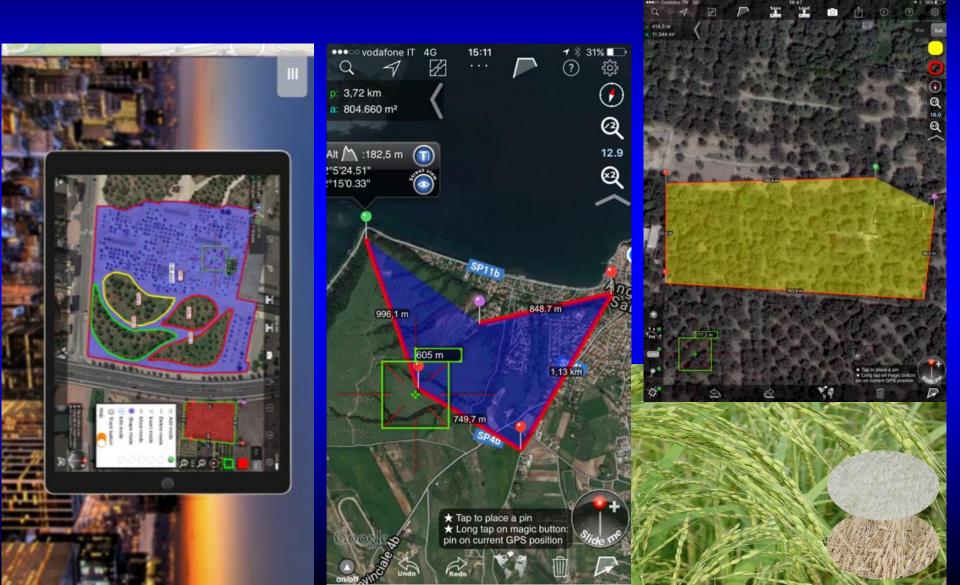
我国悠久灿烂的农耕文化历史,加上不同地区自然与人文的 巨大差异,创造了种类繁多、特色明显、经济与生态价值高度统一 的重要农业文化遗产。这些都是我国劳动人民凭借着独特而多样 的自然条件和他们的勤劳与智慧,创造出的农业文化共蔻,蕴含着 天人合一的哲学思想,具有较高历史文化价值。但是,在经济快速 发展、城镇化加快推进和现代技术应用的过程中,由于缺乏系统有 效的保护,一些重要农业文化遗产正面临着被破坏、被遗忘、被抛 弃的危险。为加强我国重要农业文化遗产的挖掘、保护、传承和利

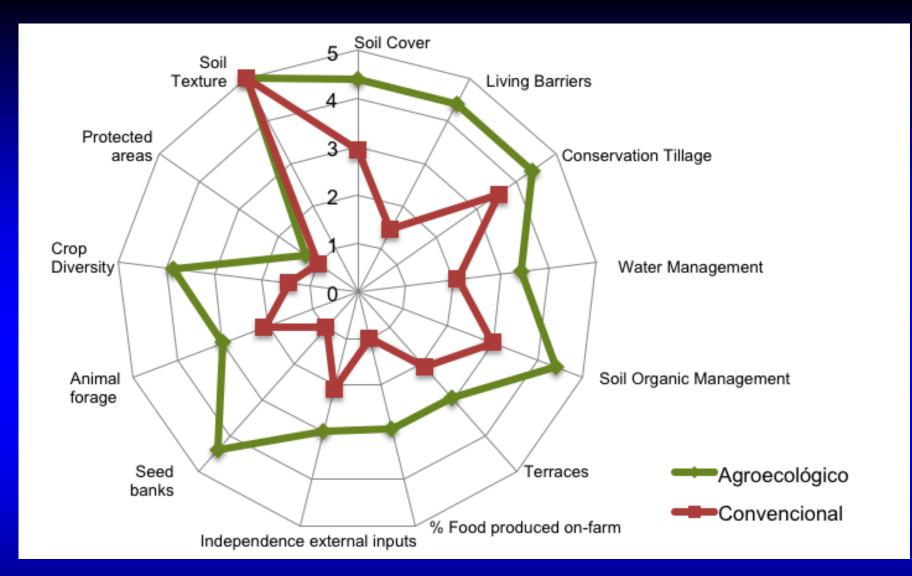






Geo-referencing and Geo-tagging Farmers' Heritage





Resiliency Comparason between GIAHS Agro-ecological and Conventional Farming

Crowed Sourcing



GIAHS is for Next Generation

, **11**

Examples of linking modernisation with tradition



Thank you





Globally Important Agrícultural Herítage Systems (GIAHS)

