



Transforming rice value chains: The Sustainable Rice Platform

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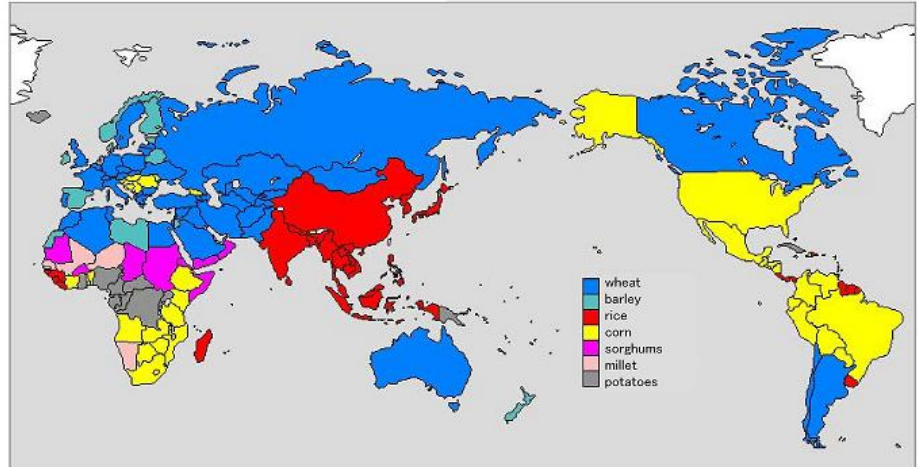


The world eats rice: about 480 m MT p.a.

- 19% of global per capita caloric intake
- 47% of SE Asia per cap caloric intake
- 29% for all Asia
- Staple diet for 50% of the world
- 90% of world's rice produced in Asia

Source: Olam International

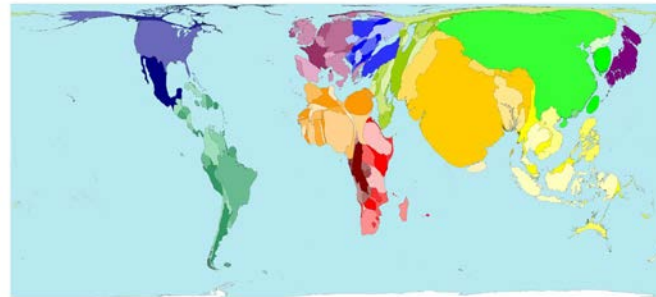
The main crops in every country in the world



(note) Grain with the maximum harvested area in every country in the world was shown.(2004)
The United States etc. are the one even if corn is 1st place for export, Barley is the main for fodder.
The staple food of the country is not necessarily shown.

(source)FAOSTAT

Total Population



The size of each territory shows the relative proportion of the world's population living there.



www.worldmapper.org

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Rice: meeting future demand

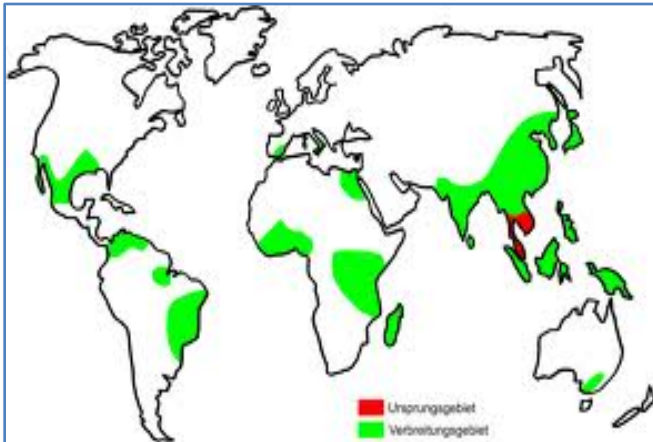


“For every 1 billion people added to the global population, an additional 100 million tons of rice needs to be produced every year.”

Source: IRRI



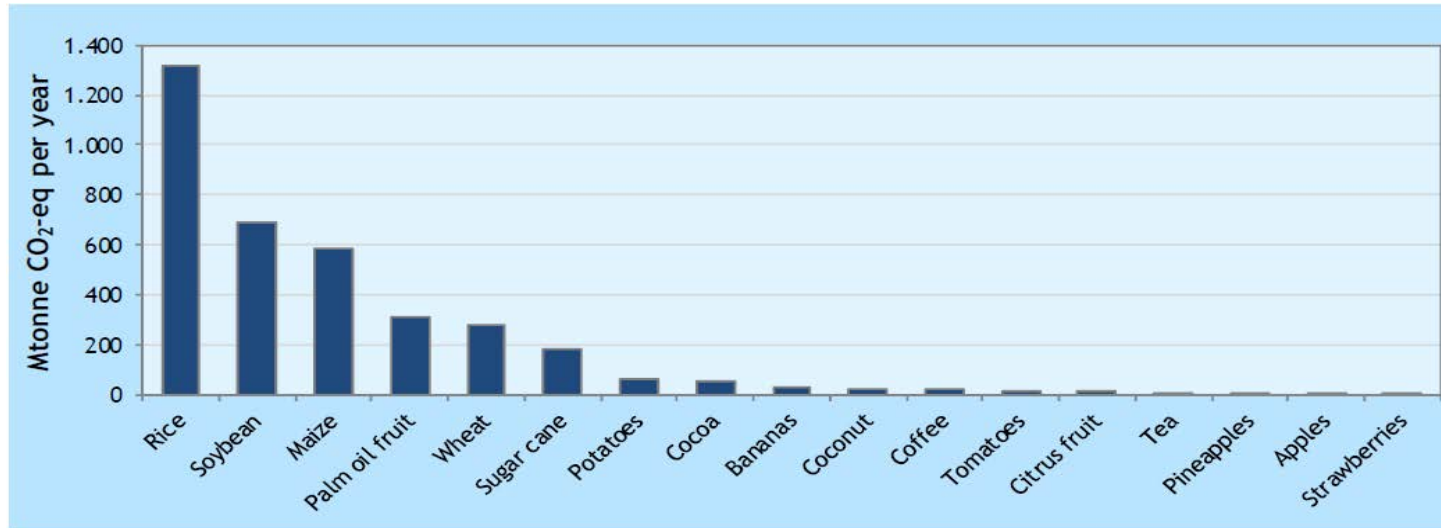
Rice sustainability challenges



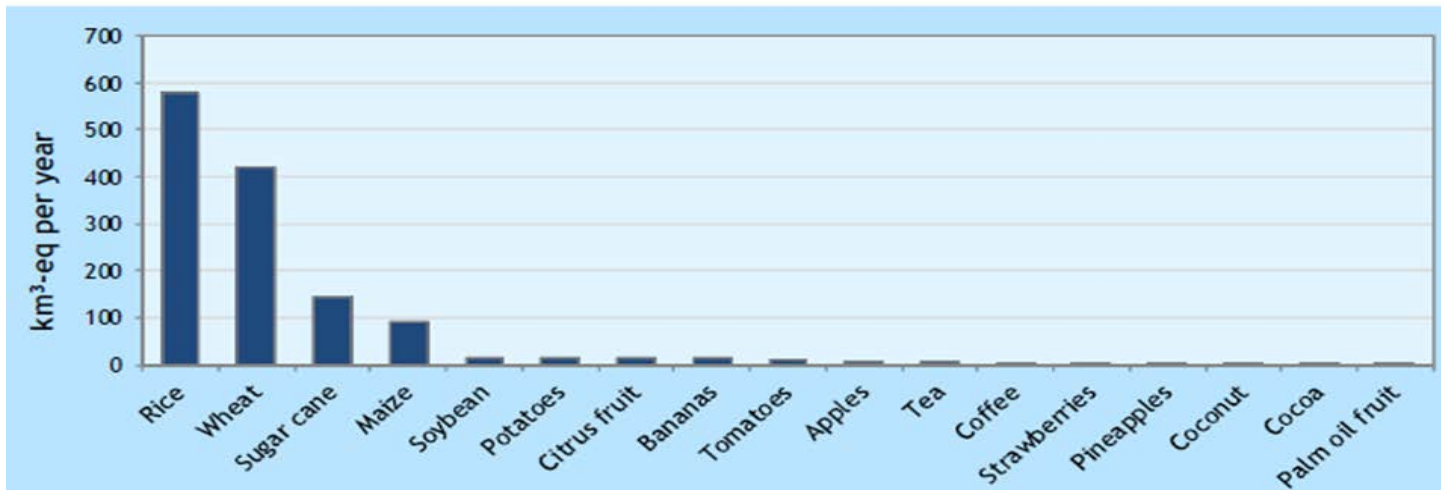
- **Climate change impacts;**
- **GHG emissions (CH_4 , N_2O , CO_2);**
- **Resource use efficiency (land, water, agrochemicals, labour);**
- **Impacts on ecosystem services;**
- **Soil impacts (e.g. salinization, arsenic, organic matter);**
- **Disease impacts (e.g. water-borne pathogens)**



Annual global GHG footprint per commodity:



Annual global water scarcity footprint per commodity:



Source: Oxfam, 2016

How to transform rice value chains?

- **Measure:** A credible, robust and feasible 'standard' or 'sustainability toolkit' for farmers, to define sustainability in rice and as a basis for policymaking
- **Incentivize:** A mechanism to pass benefits of climate-smart sustainable agriculture through the value chain, and drive wide-scale adoption
- **Upscale:** Collaboration and finance for wide-scale transformation at farm and policy level

Collective engagement of private and public sectors will be critical





The Sustainable Rice Platform

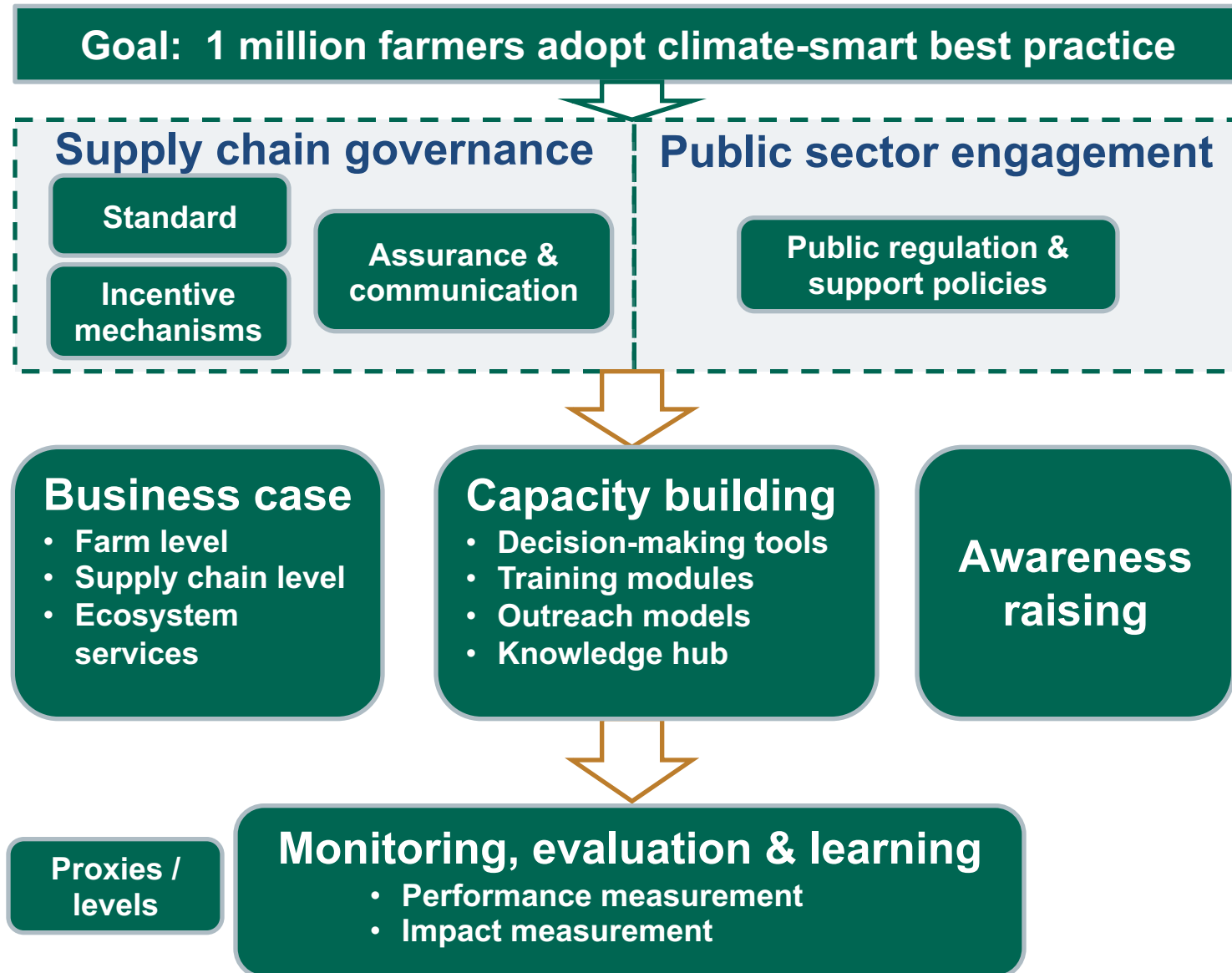


Sustainable Rice Platform

Addressing food security, vulnerability to climate change & resource efficiency

- **Founded in 2011: UN Environment and International Rice Research Institute (IRRI)**
- **Public-private partnership**
- **Main objectives:**
 - *Reduce vulnerability, enhance food security and resource efficiency*
 - *Serve as a knowledge repository, expertise, networks*
 - *Catalyze sector transformation through new alliances and by creating shared value*

The building blocks...



Our goals 2017-2021

SMALLHOLDER
INCOMES

1 million

Farm households with improved practices



RESOURCE USE
EFFICIENCY

Increased by 5%



REDUCED
CARBON
EMISSIONS

700kt CO₂-eq

Less emission per year



SRP: World's first rice sustainability standard



The Standard covers the following 8 themes:



Water use



Nutrient management



Pre-planting



Health & safety



Harvest &
post-harvest



Farm management



Labour rights

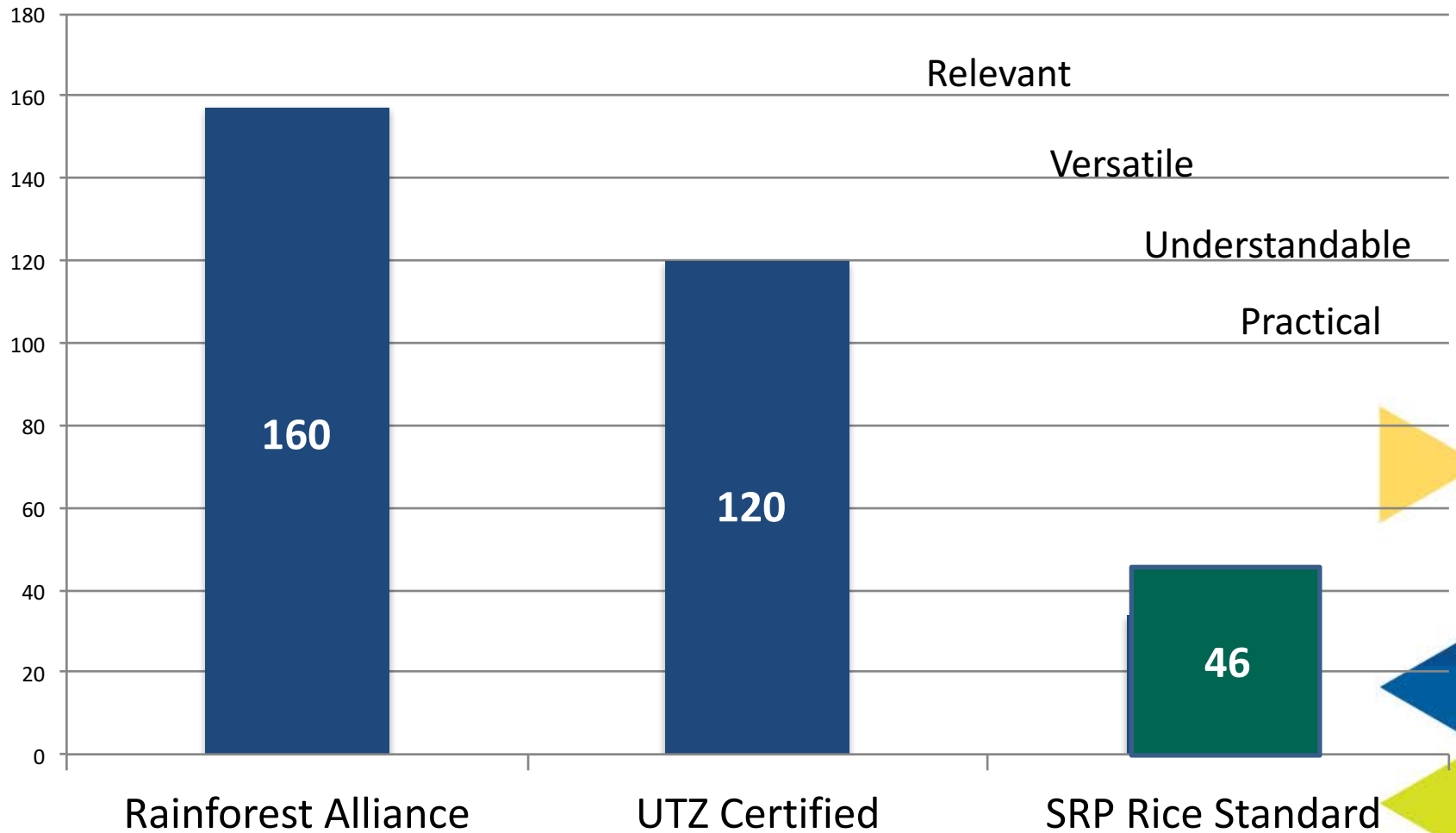


Pest management

Photos: image collection of
the International Rice Research Institute
(IRRI)

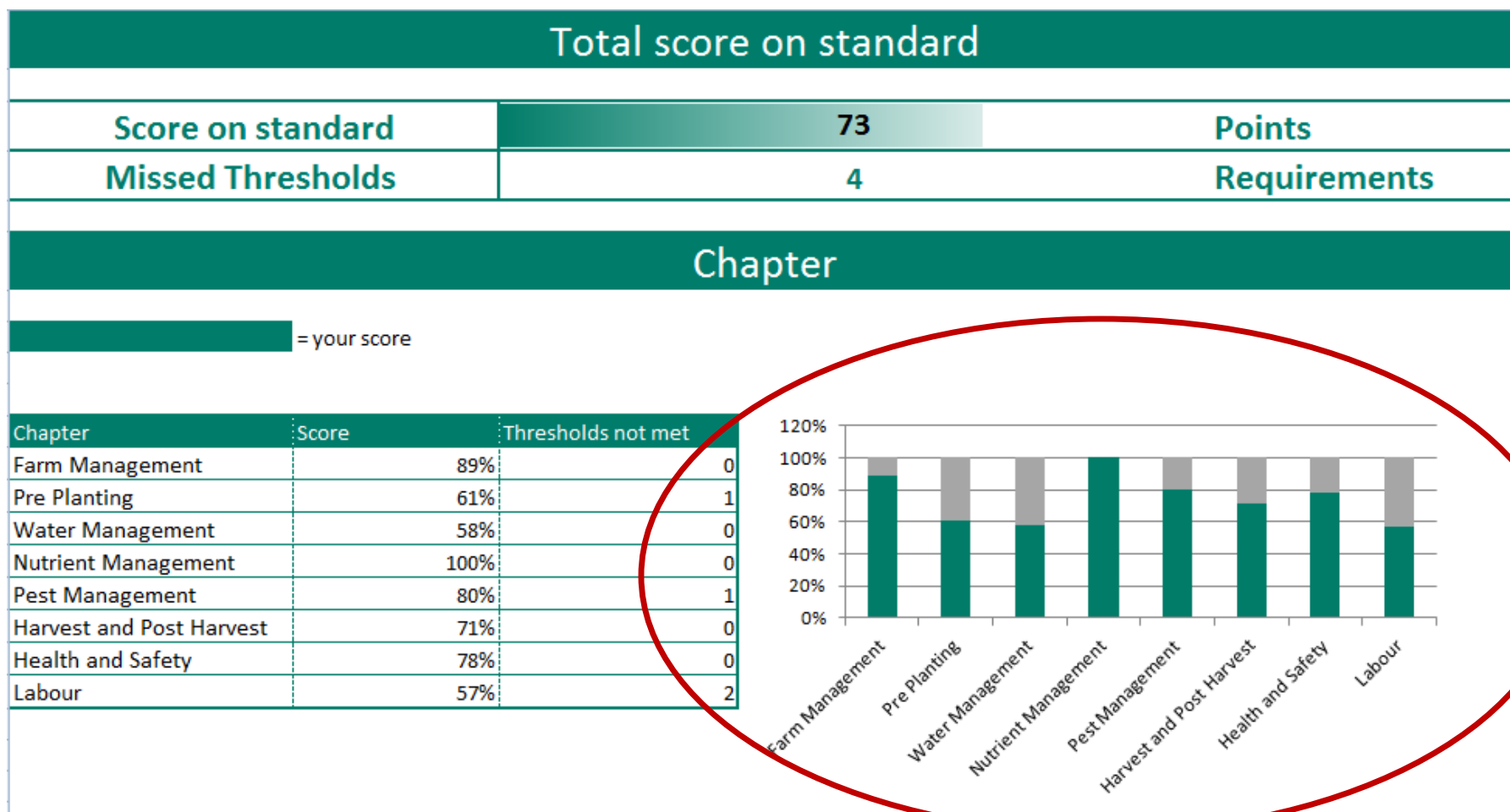


A compact standard

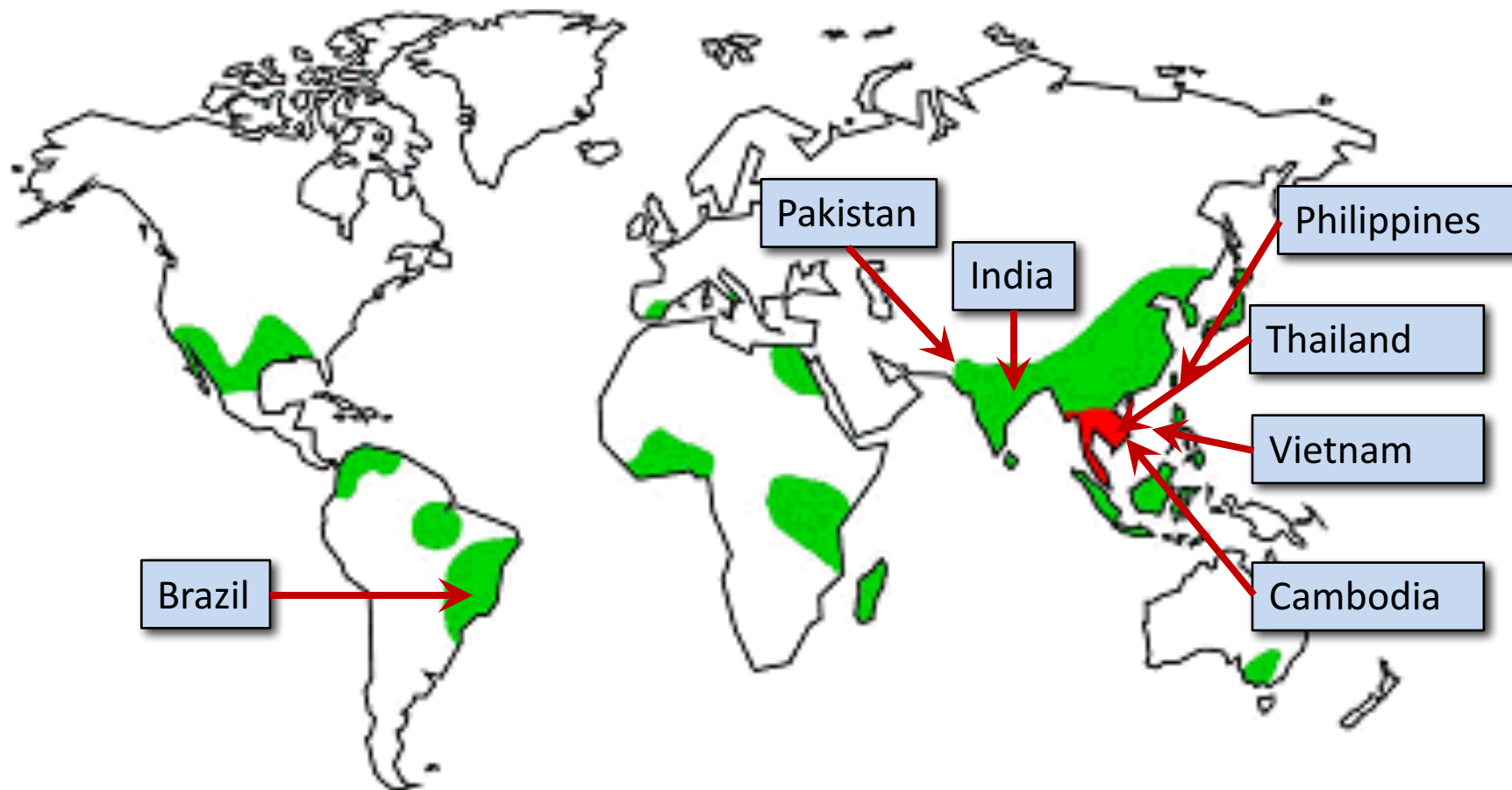


SRP Standard and Indicators:

Measure the sustainability of any rice system



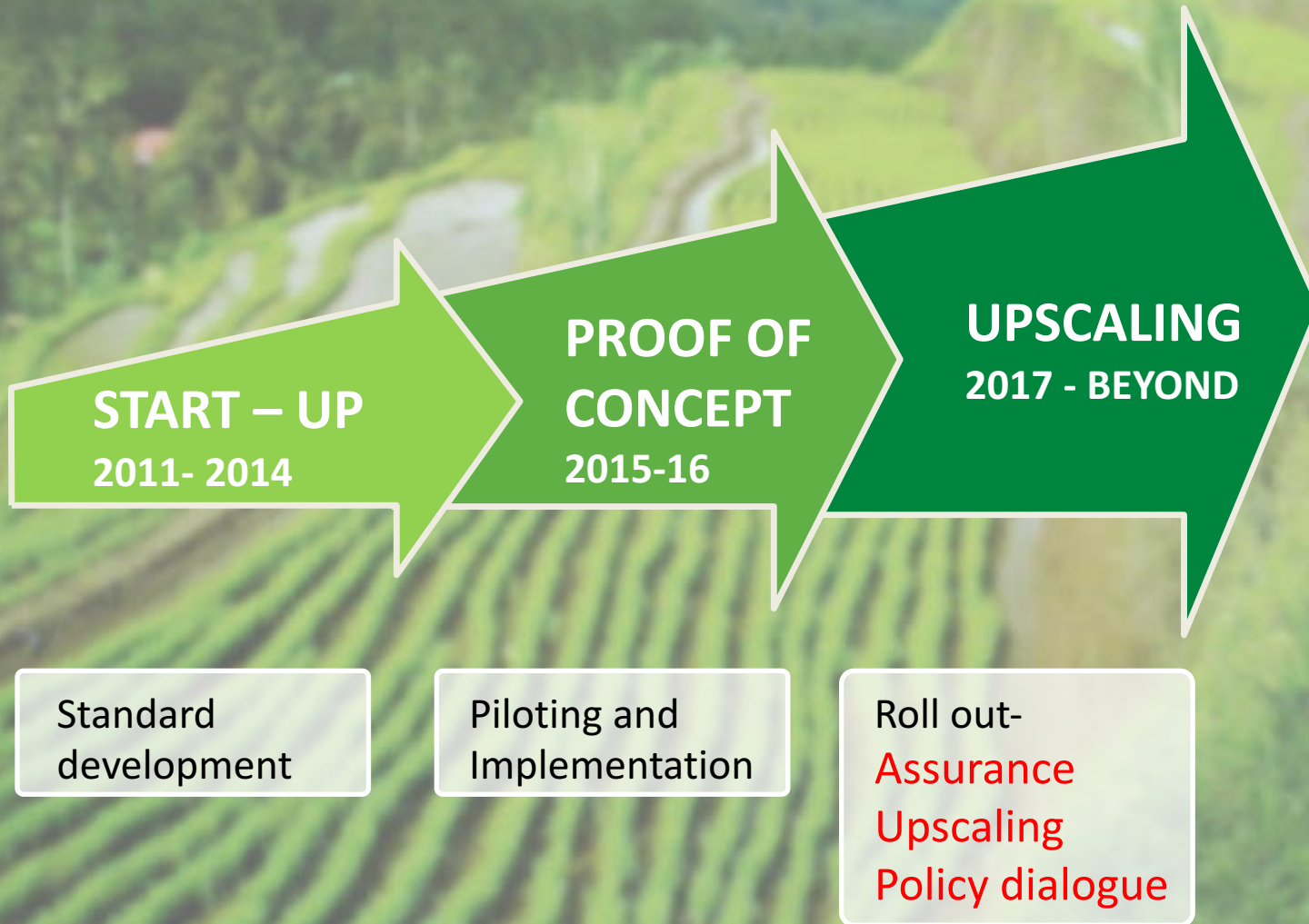
Multi-country field validation programme



Total Y1: <5,000 ha

Total Y2: ~20,000 ha

Evolution



Goal: 1 million farmers adopt climate-smart sustainable best practices within 5 years (2017-2021)



Key messages:

- Transformation of rice value chains will be key to developing a sustainable food system, for which the Standard provides a working definition
- Proven technologies are available to enhance resource use efficiency and mitigate climate impacts in rice
- Effective incentive mechanisms and farmer outreach are key to adoption of sustainable best practices

However....

- Only through a collaborative, scaled-up response can we achieve our goal

First Global Sustainable Rice Conference and Exhibition 2017

4-5 October 2017, UN Convention Centre, Bangkok, Thailand

Photo: International Rice Research Institute

Conference Tracks

Track 1: Drivers of Global Rice Sector Transformation

Track 2: Global Rice Markets and Food Security

Track 3: Technology Convergence and Innovation: Tools for Climate-smart Agriculture

Track 4: Assurance and Smallholder Finance

Track 5: Crop Protection, Nutrient and Water Management

Track 6: Incentives for Sustainability

Join the forthcoming SRP conference!

Visit www.sustainablericeconference.org
to learn more



Thank you!

