



# Transforming rice value chains

# Rice sustainability: key to global food security

## ➤ Food security

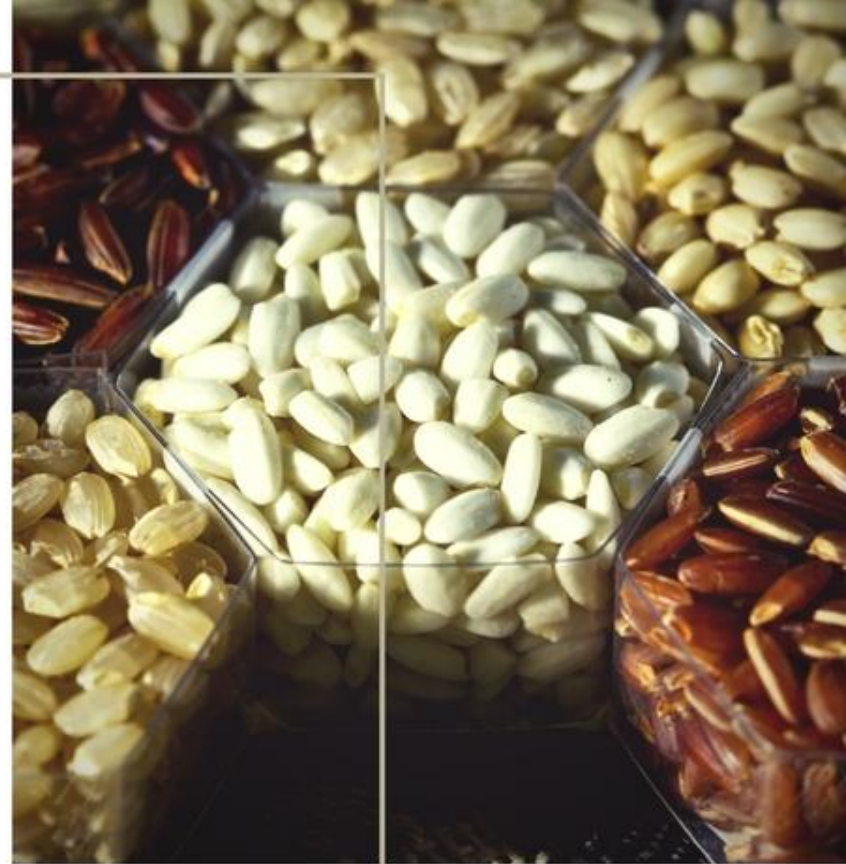
- 144 m small holders
- Staple food for 70% of world's 815 m poor
- Stagnating yields, declining area
- 25% shortfall in production by 2050

## ➤ Climate change

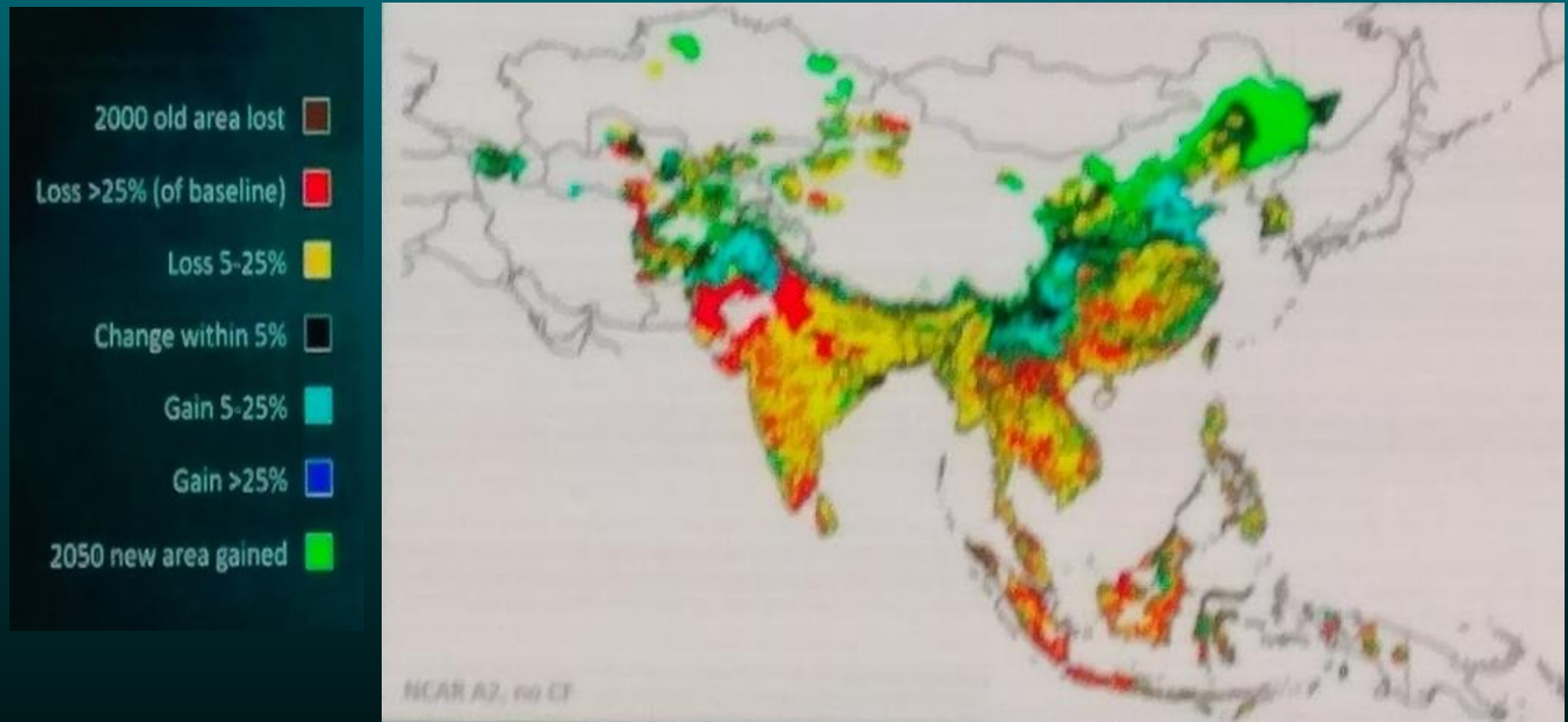
- Rice contributes 5-10% of global GHG emissions
- Highly vulnerable to CC

## ➤ Resource use

- Rice uses 30-40% of the world's freshwater
- 13% of global fertilizer use



# Change in irrigated rice production due to climate change (2050)



*Source: Asian Development Bank / International Food Policy Research Institute, cited by J Clay (2017)*



# How can we drive wide-scale adoption of tech innovation and sustainable best practices?



- **Define / Measure:** Robust and broadly accepted benchmarks and tools to define and measure farm-level sustainability
- **Incentivize:** How to ensure benefits pass along the value chain to farmers, and drive wide-scale adoption?
- **Upscale:** Collaboration and finance for wide-scale transformation at policy level and throughout supply chains

# 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*

# Our strategic pillars



## **Strategy 1:**

Public/global outreach



## **Strategy 2:**

Establish a practical, cost-effective supply chain improvement, assurance and performance assessment scheme



## **Strategy 3:**

Create a technical support and knowledge-sharing platform



# SRP: A global multi-stakeholder partnership



**95** institutional members

## International Orgs

UN Environment, IFC, GIZ

## Governments

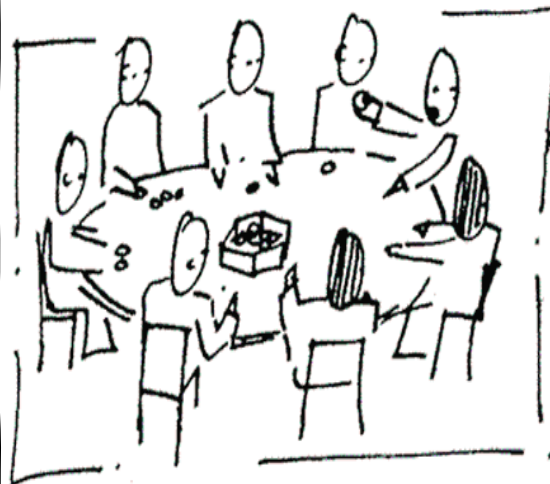
CAM, INDO, VN,  
PHILS, SL, TH

## Input suppliers

BASF, Bayer, Syngenta,  
Dow AgroSciences, IFA

## Food industry

Ahold, Mars, Ebro,  
SunRice



## Traders/Importers

Louis Dreyfus Commodities, Olam  
International, Sunrice, Tilda, van  
Sillevoeldt Rijst, Westmill, Veetee,  
Jebsen & Jessen, Phoenix

## NGOs

FairTrade, Wildlife Conservation  
Society, Rikolto, Solidaridad, WWF,  
VSO

## Research

IRRI, Punjab Agricultural Univ, Sri  
Lanka Rice R&D Institute, NACA,  
IPNI, IPI, CFPN

## Producer Groups

Prime Agri, Amru Rice, Matco  
Loc Troi, LT Foods, BRICo

# 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)





# The SRP Standard and Indicators

- Science-based, SDG-linked
- Improvement vs compliance
- A shared working definition
- Basis for assured supply chains
- Benchmark for science and policy
- Compare the sustainability of any rice system



## Sustainable Rice Platform Standard on Sustainable Rice Cultivation

Version 1.0



## Sustainable Rice Platform Performance Indicators for Sustainable Rice Cultivation

Version 1.0

May 2015

[www.sustainablerice.org](http://www.sustainablerice.org)

# Multi-country field validation programme



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





# Next steps

- SRP Standard and Indicators v 2.0
- Assurance Framework / retailer engagement
- Policy advocacy through national chapters
- Upscaling adoption (Thai Rice NAMA, GEF-7, bilateral value chain projects, new partnerships)

To join SRP or find out more, please contact:

— [Secretariat@sustainablerice.org](mailto:Secretariat@sustainablerice.org)

Or visit [www.sustainablerice.org](http://www.sustainablerice.org)

— Facebook: /sustainablericeplatform

Twitter: @SRP\_Rice

