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)

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 Sillevoldt 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
- Pre-planting
- Harvest & post-harvest
- Labour rights
- Nutrient management
- Health & safety
- Farm management
- 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
Multi-country field validation programme

Real benefits to farmers
- 20% water savings
- 50% reduction in greenhouse gas emissions
- 10% increase in farmers’ income

Total Y1: <5,000 ha
Total Y2: ~20,000 ha

Countries involved:
- Cambodia
- Indonesia
- Myanmar
- Philippines
- Thailand
- Vietnam

Other countries:
- USA
- Nigeria
- Pakistan
- Sri Lanka
- Australia
- Brazil
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:

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Or visit www.sustainablerice.org

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