



SRP



“SRP’s Low-Carbon Rice Module - a cost-effective solution for rice retailers”

7th International ANUGA
Rice Conference in Cologne
6.10.2025

Low Carbon Lifestyles and low carbon rice





CHINA'S WORLD RESPONSIBILITY

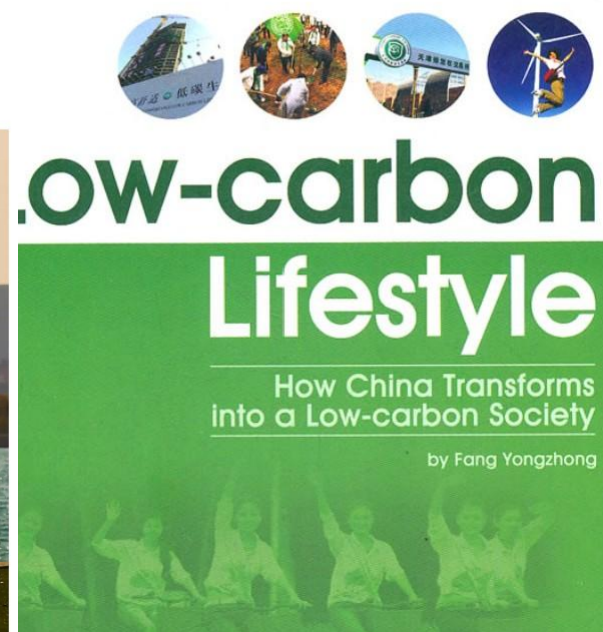


What 1.5C living actually looks like

5 May 2023

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Jocelyn Timperley Features correspondent



LOW CARBON LIFESTYLES

RIGHT CHOICES FOR OUR PLANET



Low Carbon Lifestyles

What to learn from the Southpole scandal



a week for one year.

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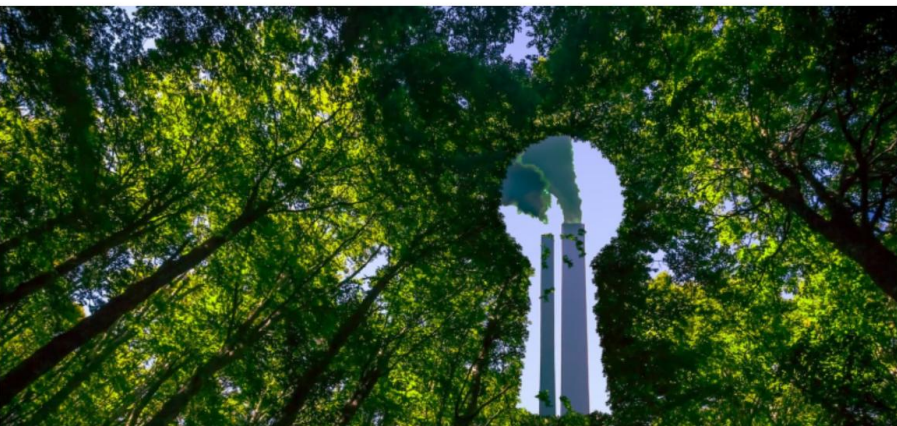
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Greenwashing backlash: Case study of South Pole, Verra

Author: [Judy Chao](#)

March 07, 2024

EN / 繁 Article Collection





A REPORTER AT LARGE

THE GREAT CASH-FOR-CARBON HUSTLE

Offsetting has been hailed as a fix for runaway emissions and climate change—but the market's largest firm sold millions of credits for carbon reductions that weren't real.

By Heidi Blake

October 16, 2023

[The Great Cash-for-Carbon Hustle | The New Yorker](#)

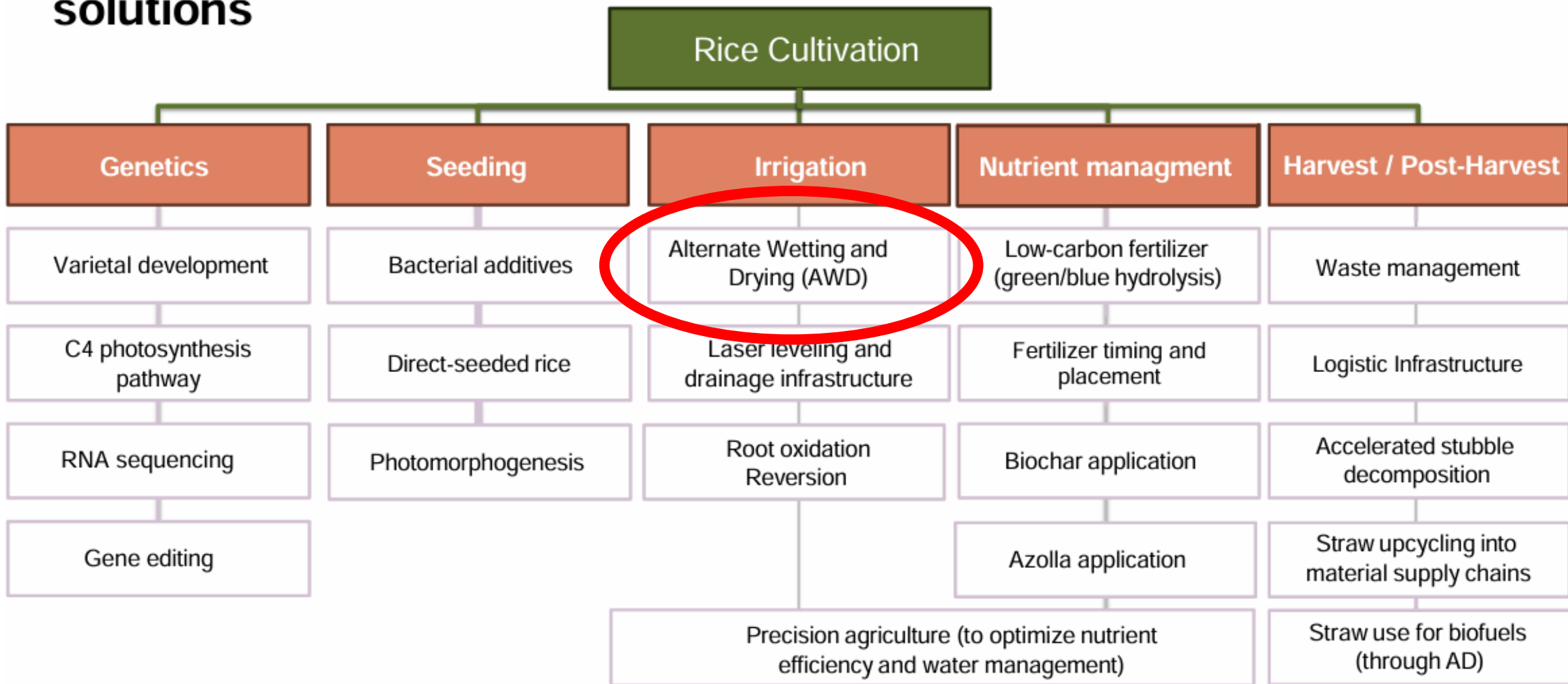
Choice of baseline is most sensitive step – What do you want to compare to ?

Media and public from the climate critical front will only wait for an opportunity to shoot holes

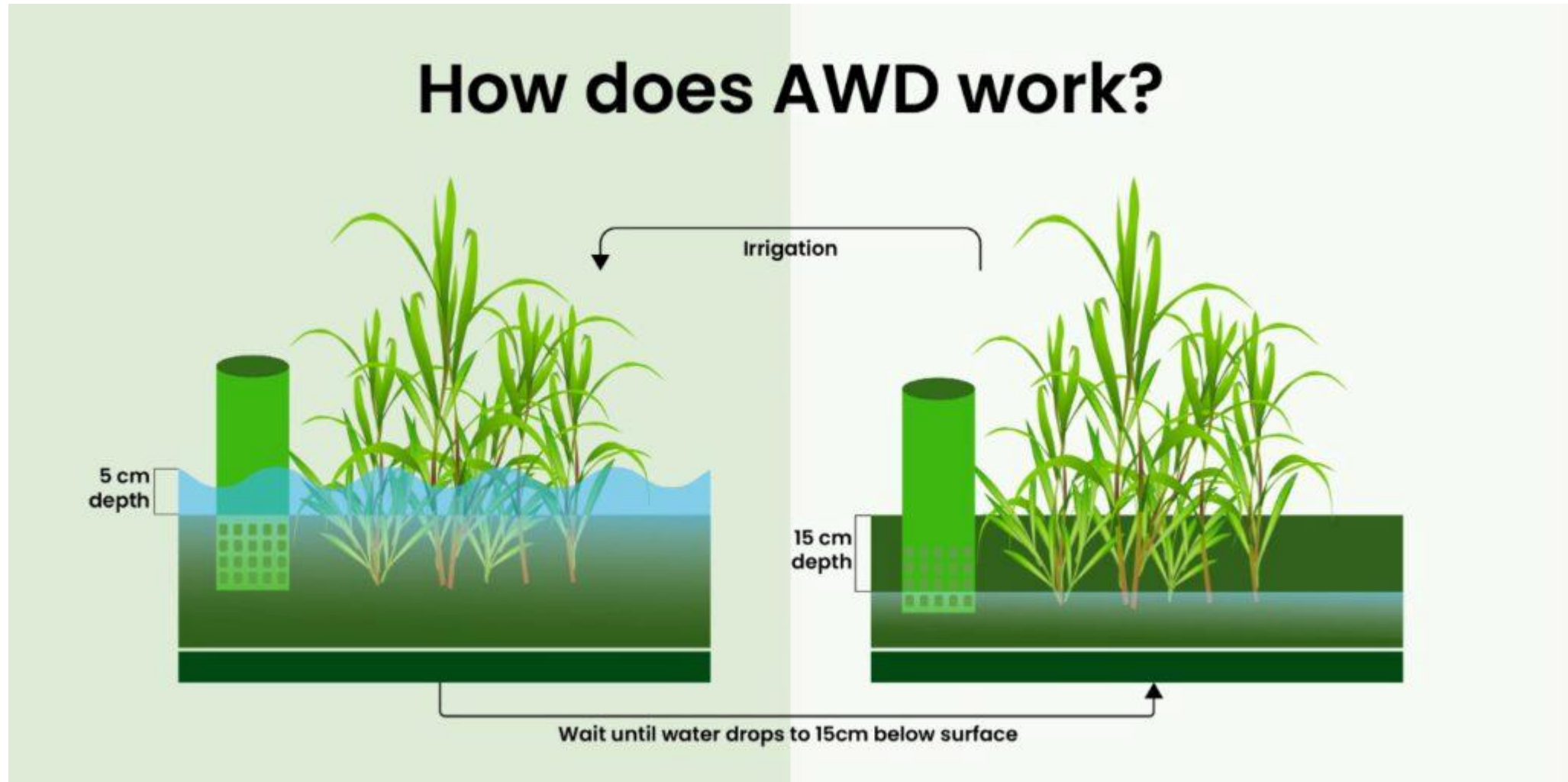
How to decarbonize rice cultivation



Rice decarbonization can draw upon a large set of proven solutions



AWD – basic idea



AWD – key challenges



Low carbon rice – shifting baselines ?



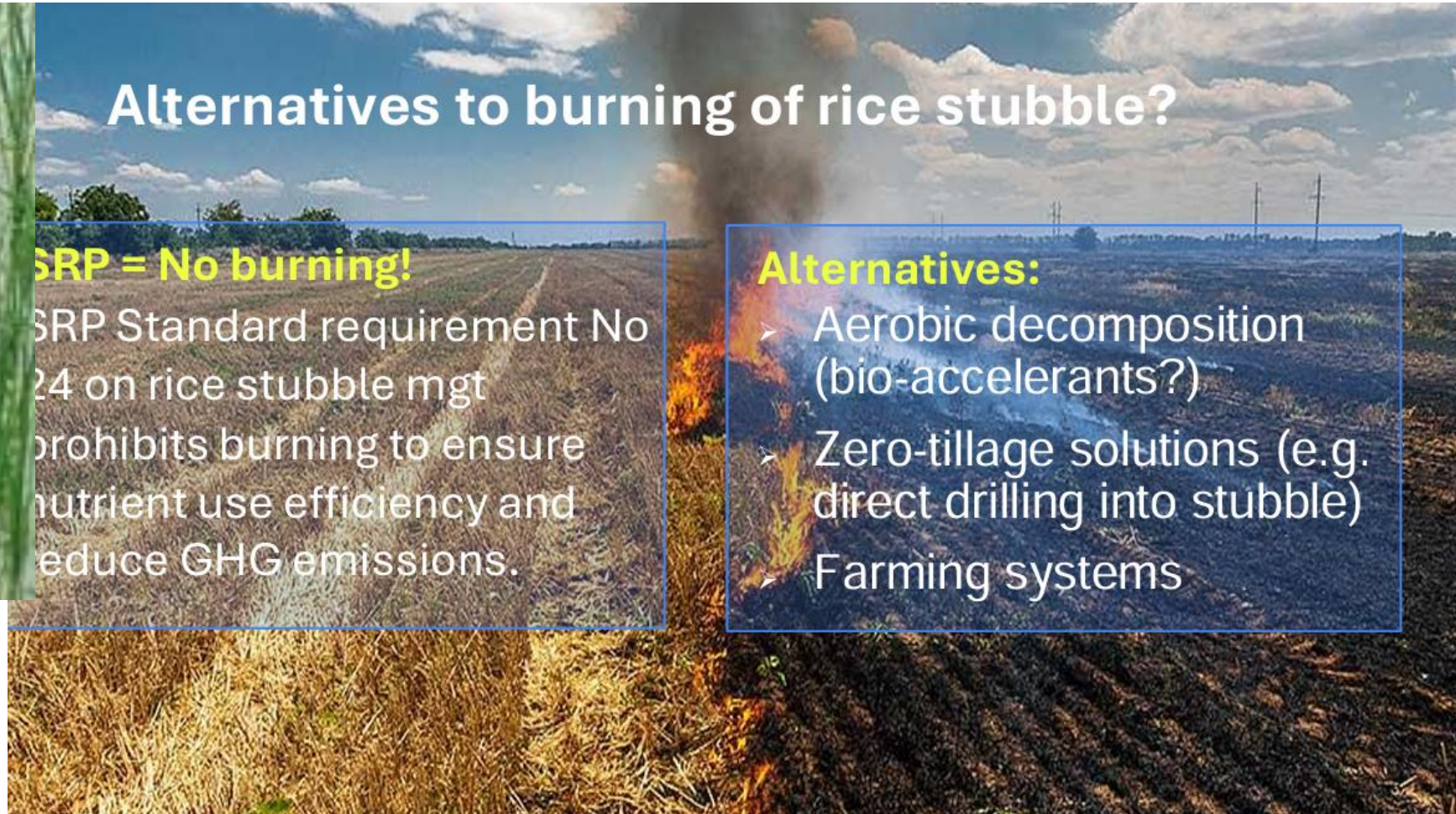
Alternatives to burning of rice stubble?

SRP = No burning!

SRP Standard requirement No 24 on rice stubble mgt prohibits burning to ensure nutrient use efficiency and reduce GHG emissions.

Alternatives:

- Aerobic decomposition (bio-accelerants?)
- Zero-tillage solutions (e.g. direct drilling into stubble)
- Farming systems



Circular economy based agricultural by-products

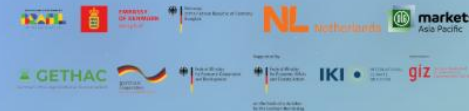
for Hot Food
for Cold Food



Able to hold oily,
hot and cold food



FTA Friends of
Thai Agriculture



Advancing Solutions to Prevent Agricultural Burning

23 September 2025 | True Digital Park, Bangkok, Thailand

The SRP assurance scheme and the new Low carbon module



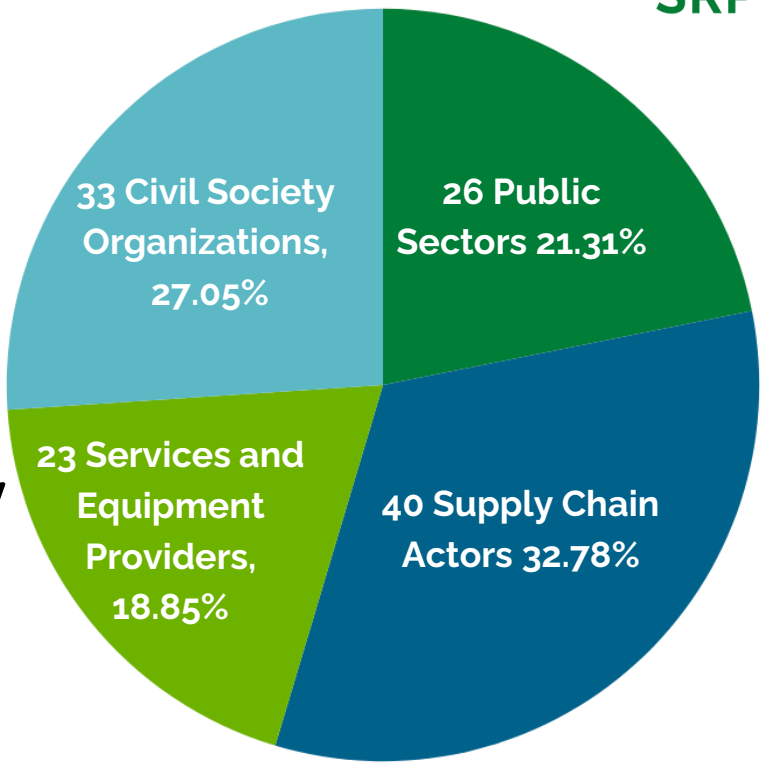
Membership



Sectoral Representation



122



30 countries

Key Elements for Assessment

1. **SRP Standard Practices Relate to LCA** - Irrigation management (AWD); Residue management (no burning) and Fertilizer usage (reduce Nitrogen application)
2. **Data Accuracy & Completeness** - Ensure that all required data points are accurate, complete, and aligned with the defined methodology
3. **Compliance with methodology** - Confirm that producers followed the appropriate reporting and measurement guidelines within the MRV framework
4. **MRV platform validation** - Trough MRV platform (Carbon Farm)
5. **Leakage** - If there are significant leakages, this should be reported to SRP so the emission factor (EF) calculation could be re-calculated

SF
As

May 21, 2024

SRP-led partnership to develop Low Carbon Assurance Module for SRP Assurance Scheme

Bangkok, 23 May 2024 — The Sustainable Rice Platform (SRP) is helping to measure reductions in greenhouse gas emissions in rice produced under the SRP Standard for Sustainable Rice Cultivation. This 'Low-Carbon Assurance Module' will complement the SRP-Verified Assurance Scheme, enabling companies to claim verified GHG reductions in their rice supply chains.

Partnering with [Mars Food and Nutrition](#), [Regrow Ag](#) as technical / MRV partner and [Gold Standard](#) as learning partner, the initiative has received a grant from the [ISEAL Innovations Fund](#), which is supported by the [Swiss State Secretariat for Economic Affairs SECO](#). Mars Food and Nutrition is co-financing the project.

[LT Foods](#), a major Indian rice exporter and longstanding SRP member, will serve as the project's key implementation partner during the piloting phase.



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO

MARS
Food & Nutrition

 **regrow**

Gold Standard[®]

 **LT Foods**

Ebro



Data Requirements

Field boundary	Polygon mapped Latitude / Longitude	Draw or upload .kml .shp
Crop & residue management	Planting date Harvest date Yield Yield unit Residue harvested Residue burnt	[dd/mm/yyyy] [dd/mm/yyyy] Integer [t/ha, kg/ha] [0%, 25%, 50%, 75%, 85%, 95%, 100%] [Y/N]
Irrigation	Events	[Continuous, Single AWD, Multiple AWD]
Nutrient Management	Product Percent N Rate amount Rate unit	[List supplied] Integer Integer [kg/ha, l/ha]

SRP labelled assurance in numbers



Farm Standard

 **32**
Verified Units

 **77,522**
Production area (ha)

 **354,446**
Volume (MT)

 **10**
Countries

Argentina; Cambodia; India; Italy; Myanmar; Pakistan; Spain; Thailand; Uruguay and Vietnam

Participating Operators

 **38**
Verified Units

 **82**
Site

 **15**
Countries

Belgium; Cambodia; France; India; Italy; Myanmar; Netherlands; Pakistan; Poland; Romania; Spain; Thailand; United Kingdom; Uruguay and Vietnam



Cost effectiveness from implementer /retailer perspective

- Implementation of data recording already in place with SRP assurance
 - Targeted deployment of inputs
 - Confinement of agrochemicals
-
- Premiums:
Welcome but not essential



Cost-effectiveness from the farmer side

FARMERS BENEFITS

Conventional Rice Practice: CRP Sustainable Rice Practice: SRP

JASMIN RICE

Average Yield

- CRP: 370 kg/Rai
(2,312.5 kg/ha)
- SRP: 493 kg/Rai
(3,081.25 kg/ha)

Cost per Kilogram

- CRP: 9.470 THB/kg
(0.29 USD/kg)
- SRP: 5.794 THB/kg
(0.18 USD/kg)

SRP generates
higher profit
than CRP

1,600
THB/Rai
(300 USD/Ha)



GLUTINOUS RICE

Average Yield

- CRP: 360 kg/Rai
(2,250 kg/ha)
- SRP: 487 kg/Rai
(3,081.25 kg/ha)

Cost per Kilogram

- CRP: 7.442 THB/kg
(0.23 USD/kg)
- SRP: 5.575 THB/kg
(0.17 USD/kg)

SRP generates
higher profit
than CRP

1,700
THB/Rai
(325 USD/Ha)



Associated benefits of LCAM

05 MONITORING AND MEASURING (CONT.)



GREENHOUSE GAS EMISSIONS

• SOIL ORGANIC CARBON

- Collect soil from SRP plots and conventional plots
- Test soil carbon stock (SOC)

BASELINE

There is no significant difference between conventional plots and sustainable plots

• GREENHOUSE GAS EMISSIONS

Method: Calibration chamber

- DeNitrification DeComposition Model
- Literature review

• BIODIVERSITY

- Diversity of species of creatures in rice fields and around the rice fields
- Number of creatures in rice fields and around the rice fields

Take aways





2025 INTERNATIONAL WORLD RICE

THE RICE  TRADER

CONFERENCE

Shangri-La Phnom Penh
PHNOM PENH, CAMBODIA

NOVEMBER
6 - 9 2025

ISRF 2025

About

Programme

Become a sponsor

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Tickets & Registration

70

Days

12

Hrs

52

Mins

19

Secs

International Sustainable Rice Forum 2025

Low carbon rice. High global impact – join the world's rice leaders on **17 & 18 November** in Jakarta, Indonesia.

www.internationalsustainablericeforum.com



Take-aways: Benefits of SRP

SRP delivers multiple benefits:

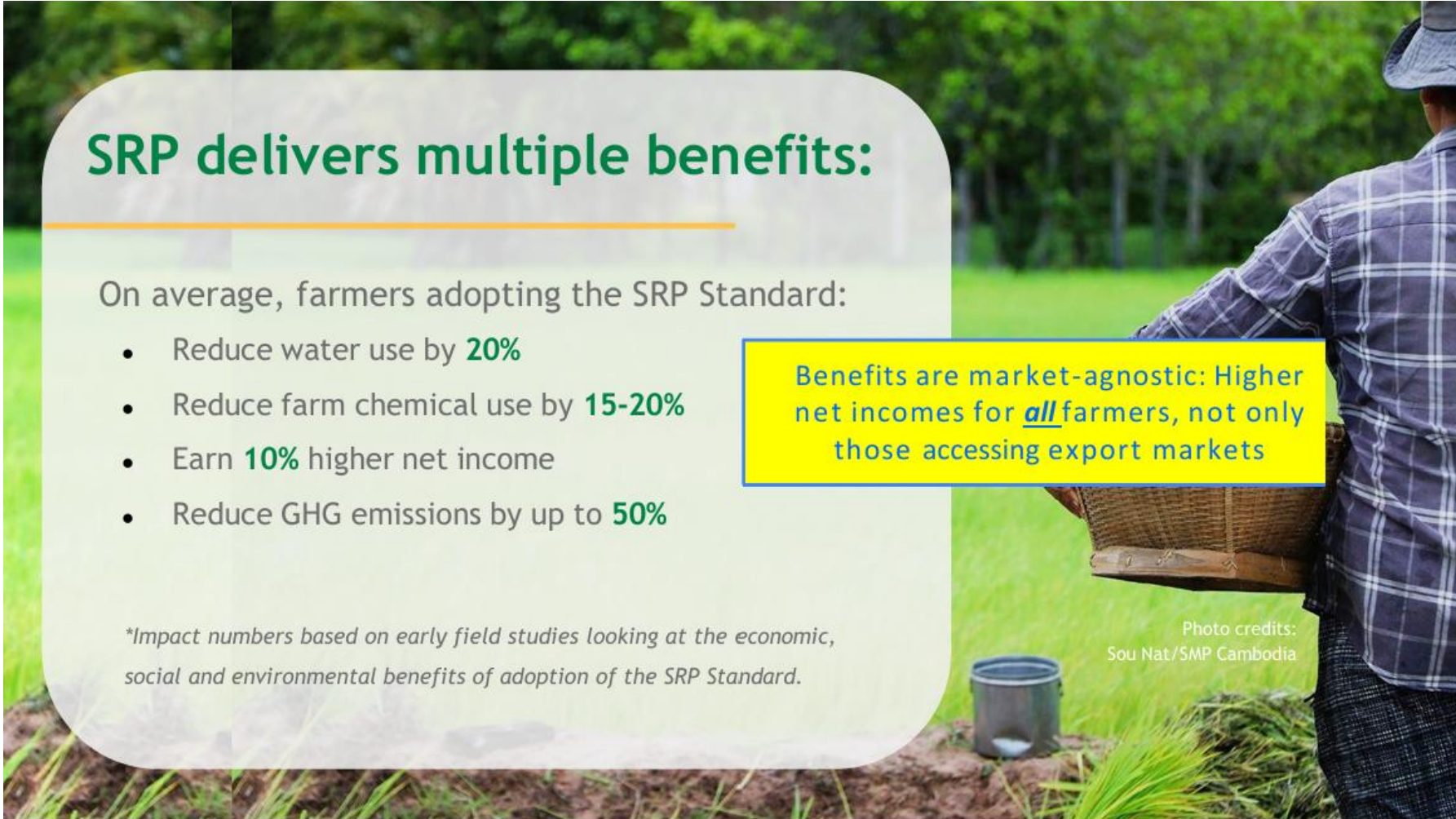
On average, farmers adopting the SRP Standard:

- Reduce water use by **20%**
- Reduce farm chemical use by **15-20%**
- Earn **10%** higher net income
- Reduce GHG emissions by up to **50%**

Benefits are market-agnostic: Higher net incomes for all farmers, not only those accessing export markets

**Impact numbers based on early field studies looking at the economic, social and environmental benefits of adoption of the SRP Standard.*

Photo credits:
Sou Nat/SMP Cambodia



Take-aways: low carbon rice

Reducing low carbon rice to the simple equation low carbon rice = AWD
Bears the risk to be the next carbon scandal

AWD is a reasonable element, but has to be embedded
in a holistic framework of technologies and training