

# Climate-Smart Agriculture at the World Bank Group

GRA Side Event – Regional Initiatives MRV and AgGHG Inventories

**Alexander Lotsch**

Climate & Nature

Farming and Agribusiness (FAB)

The World Bank Group



**\$118.5B**

FY25 commitments

*Loans, grants, equity, guarantees*



**VISION:** Our vision is a world free of poverty on a liveable planet

# WORLD BANK GROUP SCORECARD

## WBG SCORECARD

|                                                                                                                                            |  | Latest value  | VISION INDICATORS |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|-------------------|
| POVERTY                                                 |  |               |                   |
| › Percentage of population living in poverty (at \$3.00/day and \$8.30/day)                                                                |  | 10%, 46%      |                   |
| PROSPERITY                                              |  |               |                   |
| › Average income shortfall from a prosperity standard of \$28/day                                                                          |  | 5             |                   |
| › Economies with high inequality                                                                                                           |  | 49            |                   |
| PLANET                                                |  |               |                   |
| › Greenhouse gas emissions (Megatons of CO <sub>2</sub> equivalent)                                                                        |  | 54501         |                   |
| › Percentage of people at high risk from climate-related hazards                                                                           |  | 18%           |                   |
| › Hectares of key ecosystems                                                                                                               |  | 8M            |                   |
| › Percentage of people facing food and nutrition insecurity                                                                                |  | 28%           |                   |
| › Percentage of people with access to basic drinking water, sanitation services, and basic handwashing facilities including soap and water |  | 91%, 81%, 72% |                   |



30%

Projected increase in food demand by 2050, driven by South Asia (31%) and SSA (18%)

2.6bn

People lacking affordable and healthy diets

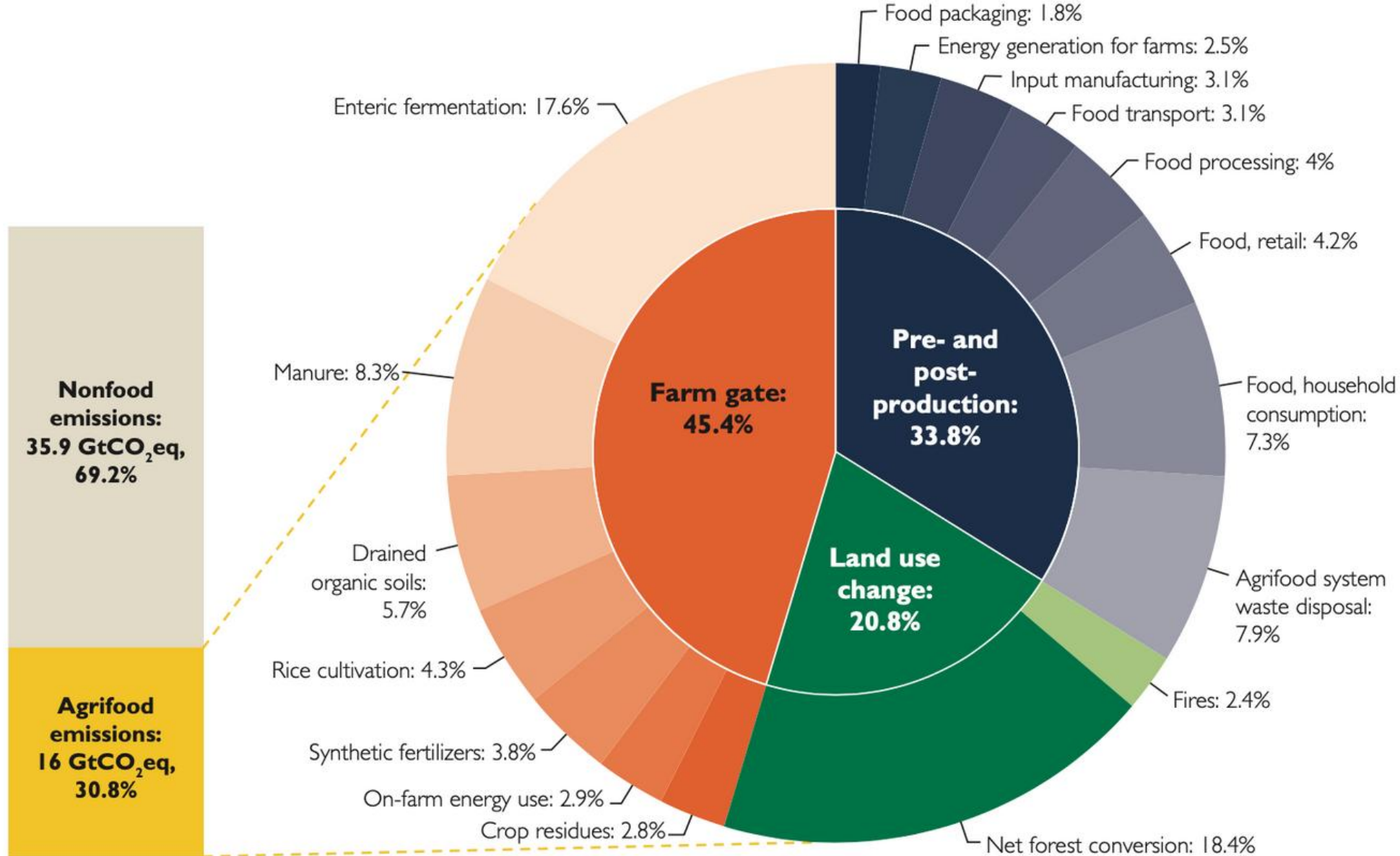
80%

Food produced globally by family farmers (>600m)

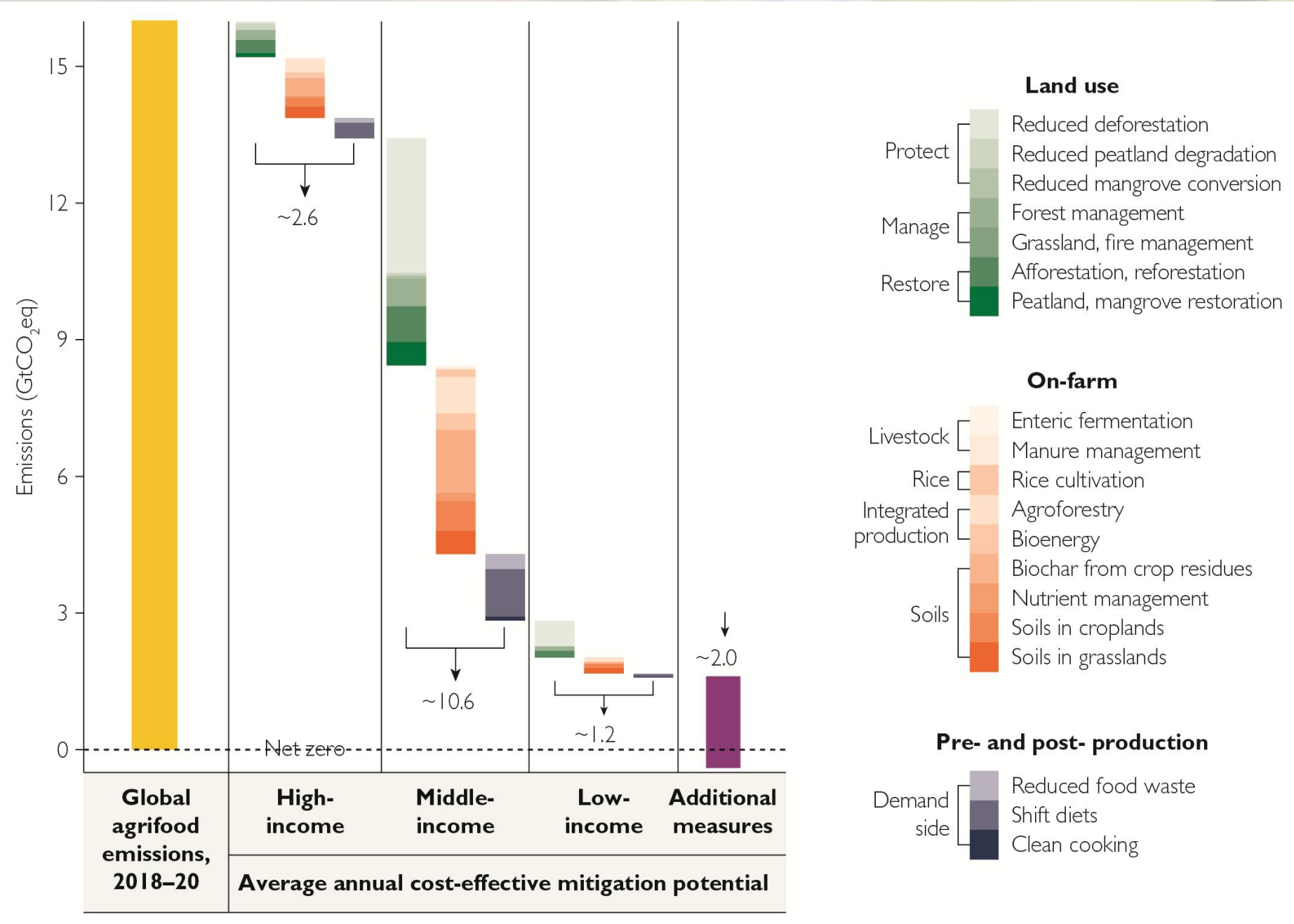


WORLD BANK GROUP

# The food system generates 1/3 of global GHG emissions



The agrifood system is a huge, untapped source of low-cost climate action.



# STRATEGIC PRIORITIES IN FY26



Stepping up on food and nutrition security to reverse rising hunger and malnutrition.



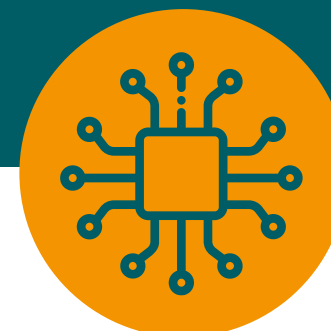
Accelerating efforts to boost climate resilience in client countries.



Improving the enabling environment for the private sector to invest in food systems.



Influencing policies to repurpose public expenditures.



Mainstreaming digital technologies and AI to build better agrifood systems.

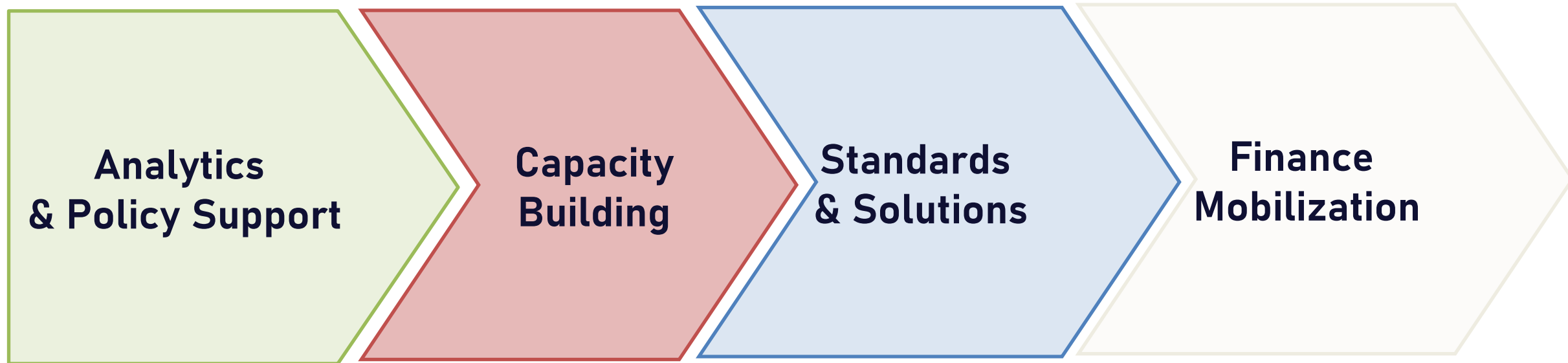


Advancing sustainable livestock practices and One Health framework to create more jobs and address health emergencies.



Scaling innovative solutions and technologies across food systems

## Climate smart solutions business model





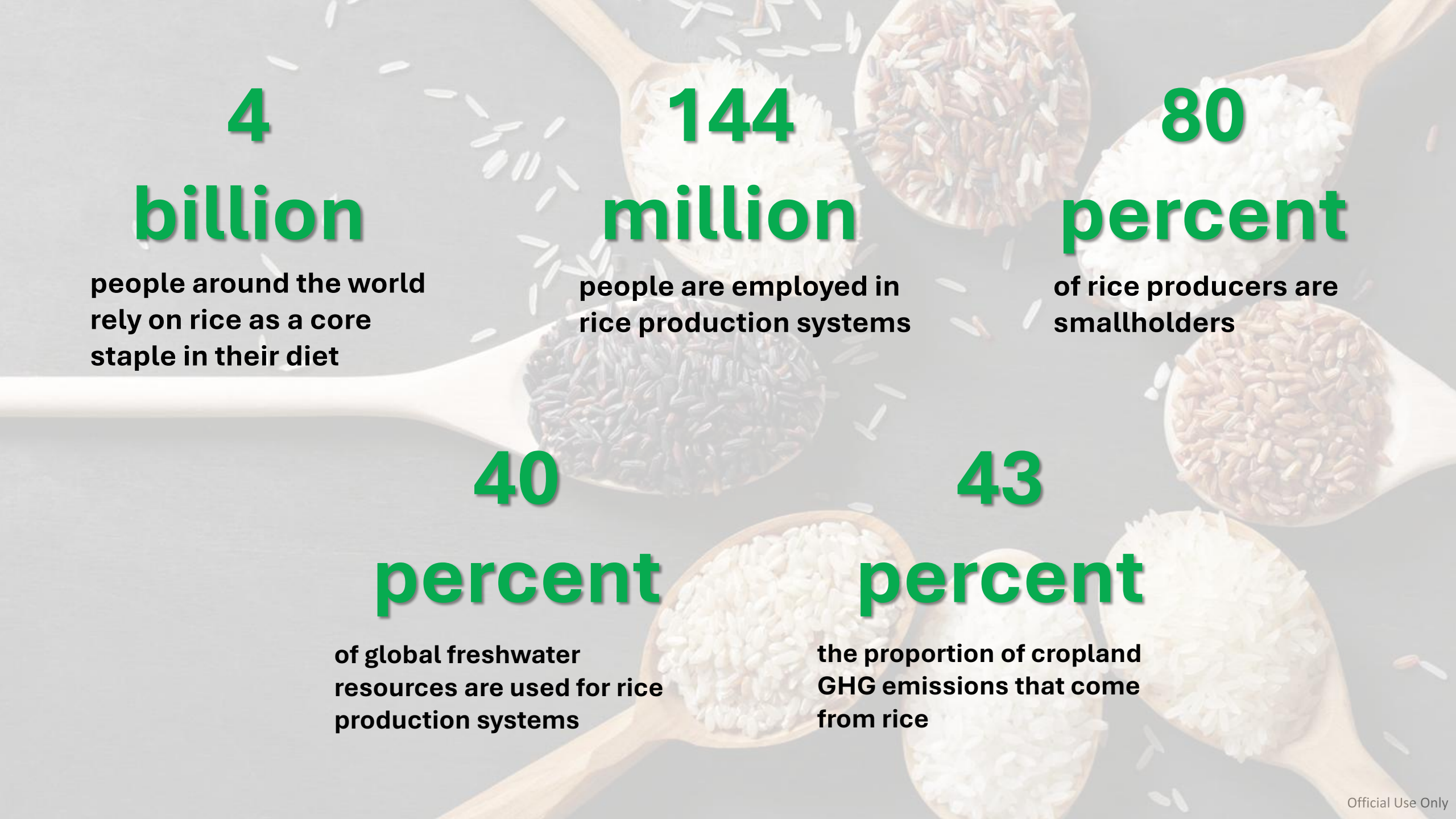
# AgriConnect

Growing Food, Creating Jobs:  
Supporting 300 million farmers move up the value chain by 2030

# Scaling Next Generation Rice

A World Bank Group  
Impact Program



The background of the infographic features several wooden spoons of varying sizes, each filled with a different variety of rice. The spoons are arranged in a circular pattern, with some overlapping. The rice varieties include white long-grain, white short-grain, brown long-grain, and black long-grain. Scattered rice grains are also visible on the light gray background.

**4  
billion**

people around the world  
rely on rice as a core  
staple in their diet

**144  
million**

people are employed in  
rice production systems

**80  
percent**

of rice producers are  
smallholders

**40  
percent**

of global freshwater  
resources are used for rice  
production systems

**43  
percent**

the proportion of cropland  
GHG emissions that come  
from rice

# What is an Impact Program?

1

Intensive, multi-year knowledge engagement

2

Scaling and adapting tested solutions with WBG member countries

3

Delivering knowledge with focus on outcomes

4

Integrate with WBG operations or technical assistance



**Creating Jobs for the Poor**

Scaling up economic inclusion programs aimed to create jobs and build pathways out of poverty.



**Unlocking the Potential of Active Debt Management**

Enhancing external oversight of debt management policies, decisions, and operations.



**Accelerating Urban E-Mobility Solutions**

Improving access to sustainable transport infrastructure and services.



**Insuring Against Disaster Risk**

Increasing financial resilience of countries to climate shocks and disasters.



**Scaling Next Generation Rice**

Making rice more sustainable, resilient and productive.



**Defying Drought (D2)**

Facilitating the scale up and adoption of drought resilience building measures.



**Powering Sustainable**

Improving access to affordable energy.



**High Local**

Value chains.



**Mobilizing Domestic Revenues**

Strengthening fiscal stability through effective tax reforms and revenue strategies.



**Livable Landscapes**

Reversing land degradation and restoring healthy landscapes.



**Repurposing Agricultural Support for Soil Health**

Helping countries improve fertilizer policies to ensure soil health, jobs, and productivity.



# Scaling Next Generation Rice Impact Program

Facilitating knowledge sharing among WBG client rice producers on innovative policies, technologies, practices and successful public and private scaling engagements, that can improve rice production systems for farmers and the planet



## What's next?

- Forming a Global Community of Practice
- Online platform: knowledge sharing, dialogue, and virtual engagement
- Virtual events to address in-demand topics, e.g., climate finance and MRV
- Co-create solutions and leverage existing programs to pilot innovations and take them to scale

### SCALING NEXT GENERATION RICE IMPACT PROGRAM WEBINAR SERIES

***MRV in Practice: Technologies for Measuring  
Low-Emissions Rice***



# Global Methane Reduction Platform For Development (CH4D)

## A Global Partnership Platform for a “Triple Win”

CH4D is supporting accelerated methane action through the deployment of transformative solutions for the livestock, rice, waste and sanitation through a “triple win” approach:



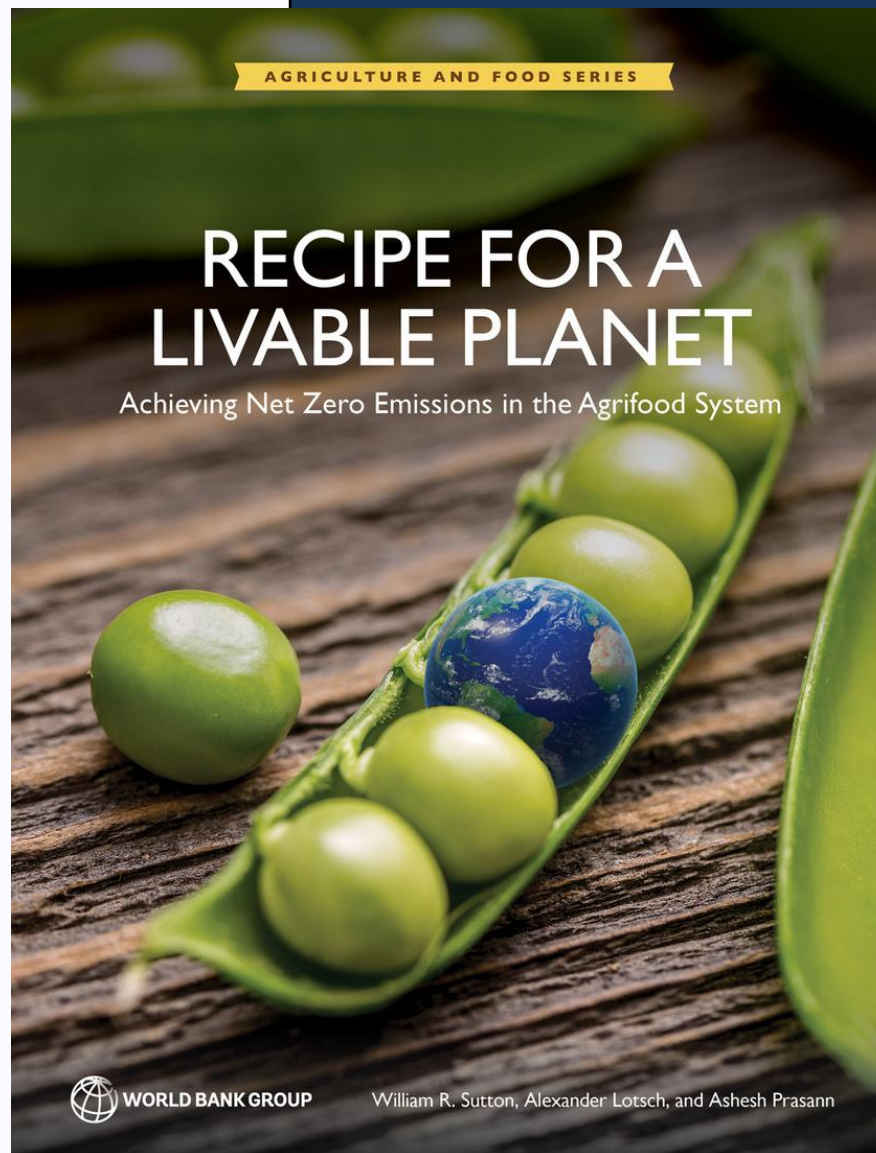
**Near-term GHG abatement**



**Enhance environmental  
resilience**



**Empower livelihoods and  
health**



**Thank you!**

LinkedIn: alexander-Lotsch  
E-mail: [alotsch@worldbank.org](mailto:alotsch@worldbank.org)