

The SAMS FRAMEWORK

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UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific

CSAM

High Level Multi-Stakeholder Consultation on Sustainable Agricultural Mechanization Strategy for Asia and the Pacific Region

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Presentation Overview

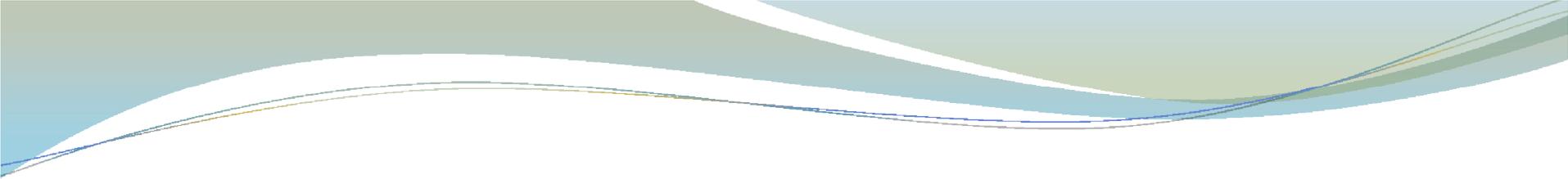
- Background to SAMS Development
- Why SAMS?
- SAMS
 - Goal
 - Strategic Pillars
 - Desired impacts



SAMS : Sustainable Agricultural Mechanization Strategy

- Developed as a joint initiative of FAO and CSAM.
- Launched in December 2011, to promote the sustainable use of mechanization in agricultural production systems.



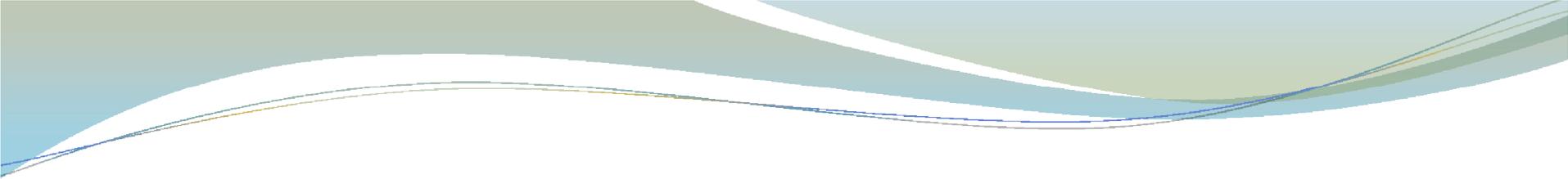


Why SAMS?



Key Challenges for the Region's Agricultural Sector

- Across the region, there is a need to:
 - Meet growing and changing food demands of a growing population.
 - Respond to impacts of demographic change in rural areas owing to urbanization.
 - Use natural resources in a more sustainable way
 - Increase energy efficiency.
 - Promote innovation to enhance resilience to climate change and other risk factors.
 - Reduce post-harvest losses, assure food safety and quality



What the challenges also highlight:

- The need to focus on the development of **sustainable agricultural production systems**
 - Systems that maintain optimal production without jeopardizing production factors.

SAM is an important element of sustainable agricultural production systems.

SAMS



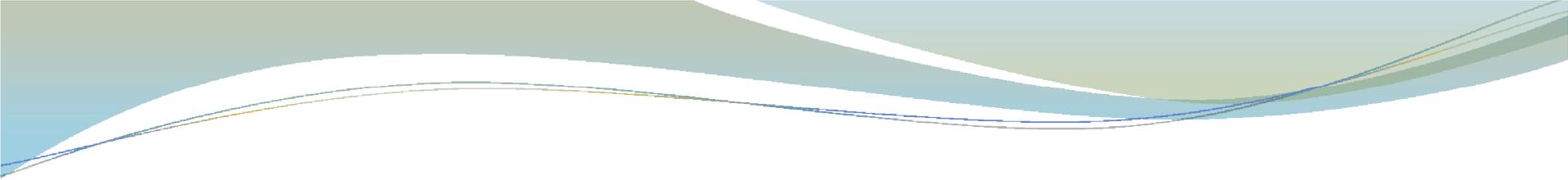
- SAMS is a planning strategy that contributes to agricultural sustainability, while meeting food self sufficiency, generating economic development and inclusive growth as well as social benefit.
- SAMS is part of the enabling environment for the development of sustainable production systems and for the effective use of SAM.

Goal of SAMS

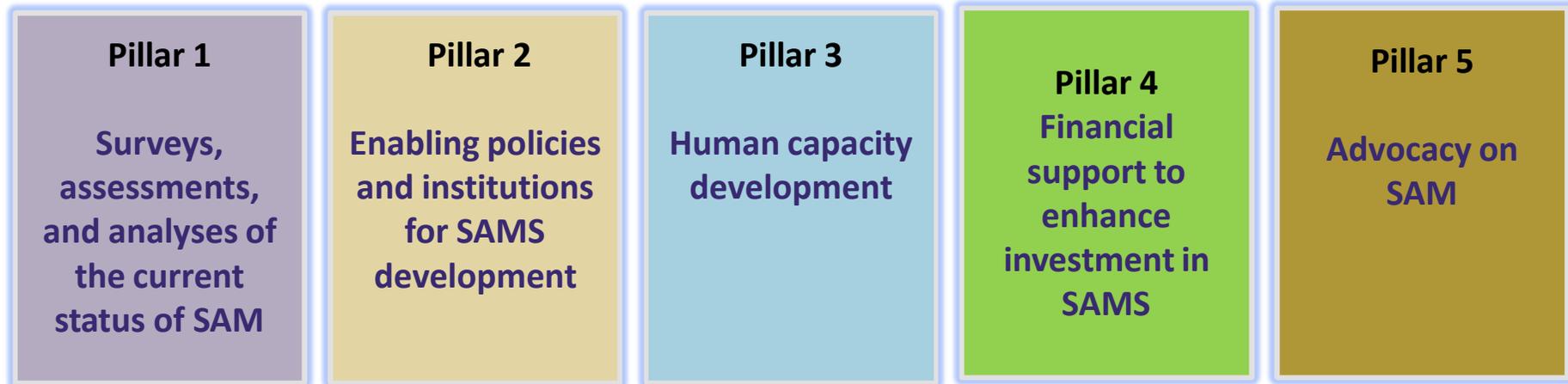


To address food security, poverty alleviation and environmental sustainability through the sustainable intensification of agriculture, by creating an enabling environment.

FAO-CSAM, Bangkok, December 2011
Workshop 2011.



Pillars of the SAMS Framework





Pillar 1. Surveys, Assessments and Analyses of the Current Status of SAM

Identification of possible interventions

- Assessment of :
 - Agricultural practices and analysis of supply chains.
 - Intra- and inter- institutions involved in AM
 - Use of targeted subsidies for innovative implements for sustainable agriculture
- Identification and assessment of technologies suited to specific ecological zones.
- Analysis of existing policies

Pillar 2. Enabling Policies and Institutions for SAMS Development

Formulation and implementation of policies and strategies that lead to government interventions.

- Development of:
 - Public-private partnerships.
 - Testing and standards formulating mechanisms for AM.
 - R & D institutions to enhance innovation in AM.
- Review and harmonization of policies and regulations designed to attract investments in SAMS.
- Institution of quality assurance of machinery, equipment and mechanization services

Pillar 3. Human Capacity Development

Development of a knowledgeable, trained and disciplined labor force.

- Capacity building of:
 - Farmers, extension staff and local government officials
 - Manufacturers and distributors of supply inputs.
- Enhancing information dissemination on mechanical power technologies (including environmental, social, economic aspects and innovations made to agricultural machinery).

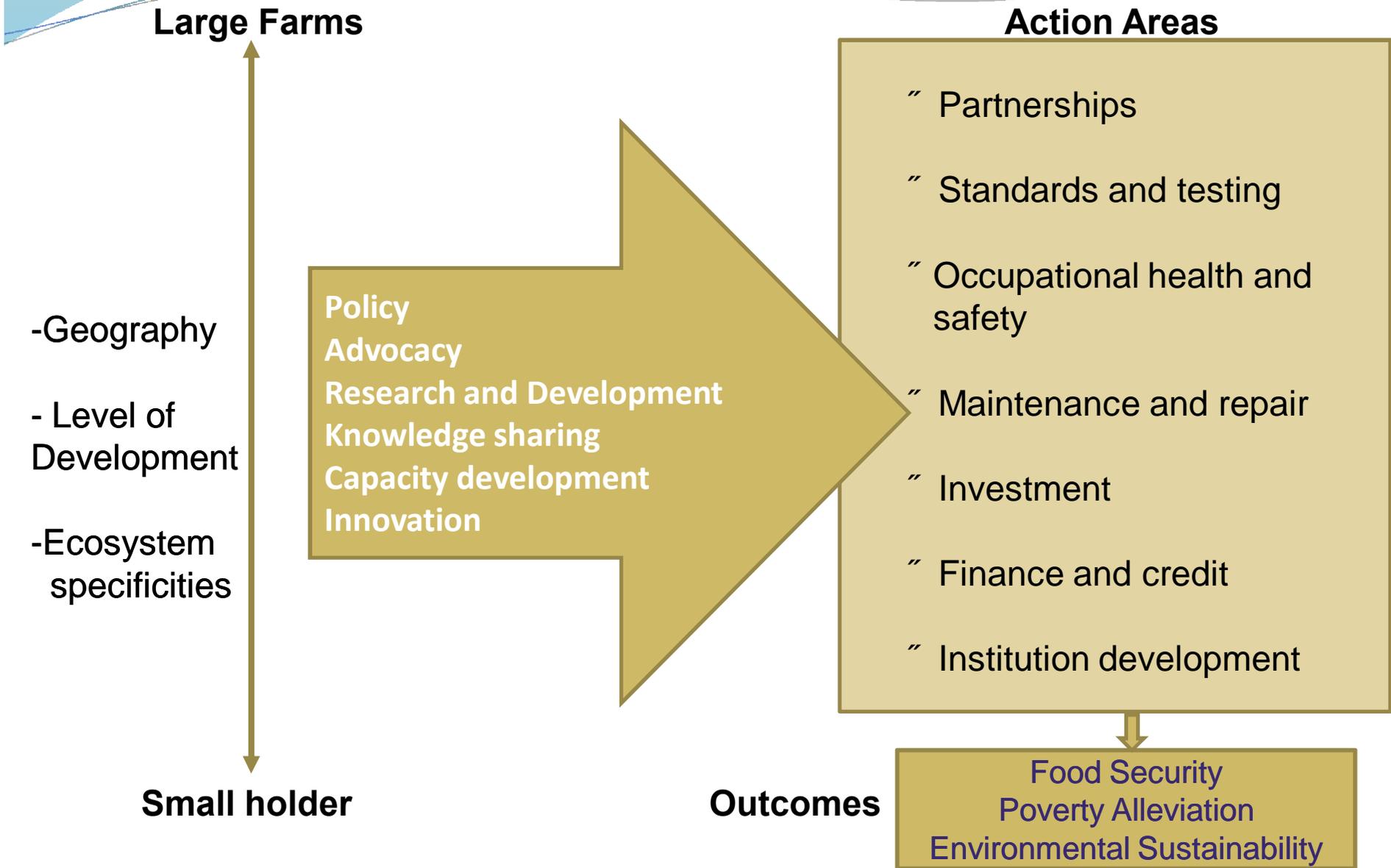
Pillar 4. Financial Support to Enhance Investment in SAMS

- Review and harmonization of policies and regulations designed to attract investments in AM.
- Increasing financing for AM from the private sector.
- Improving access to:
 - Loans for the purchase of mechanization inputs.
 - Financing for mechanization activities through the establishment of a mechanization promotion fund.

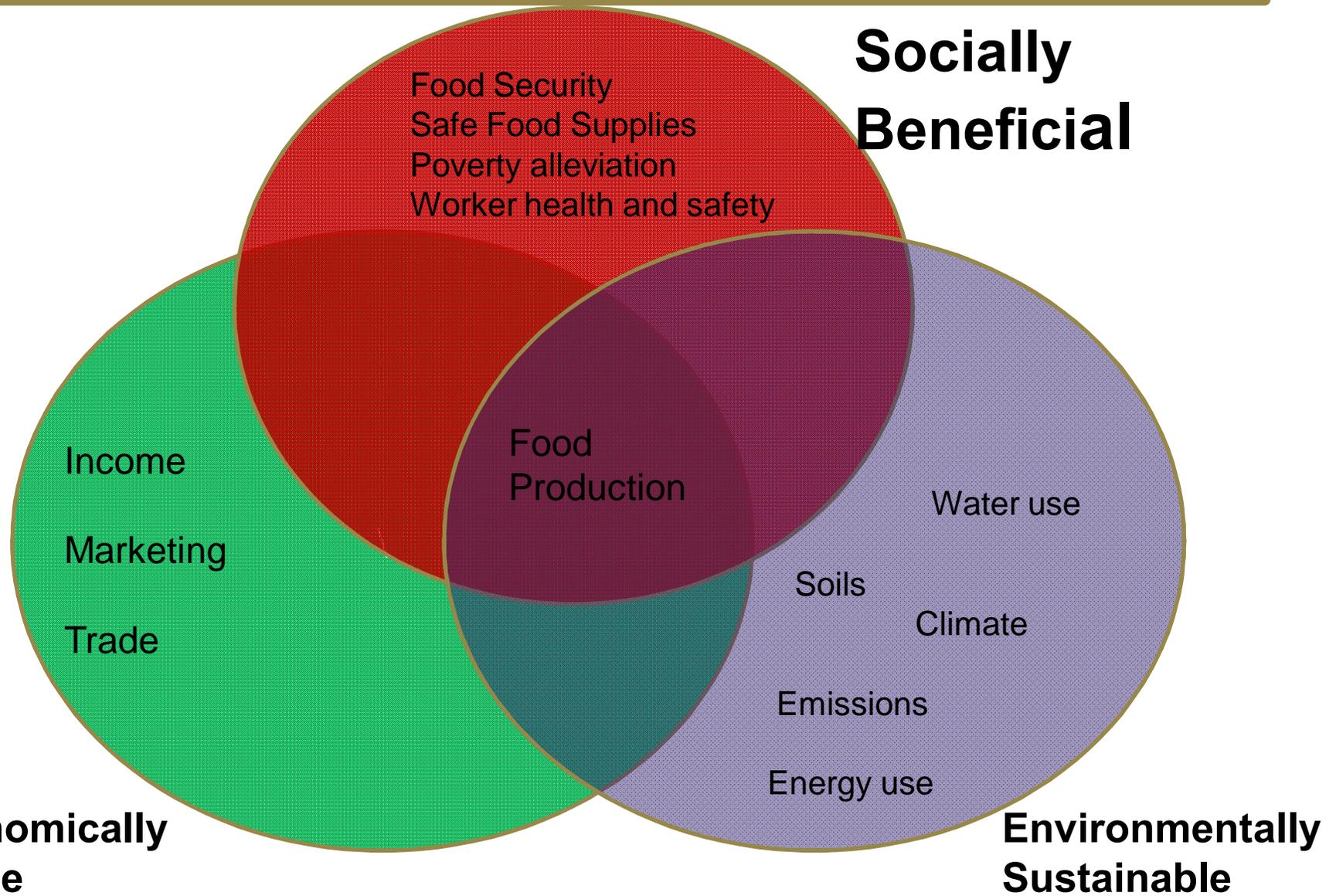
Pillar 5. Advocacy on SAM

- Promoting a strategic vision for SAM based on national development objectives;
- Facilitating information sharing and lessons learnt about good practice on SAM;
- Ensuring effective participation by all stakeholders in SAM processes;
- Developing and maintaining partnerships with the scientific community;
- Ensuring wide dissemination of knowledge generated on SAM and contributing to policy and decision making processes.

Dimensions of the SAMS Strategy



Desired Impacts of SAMS



A large, light-colored watermark of the Fiat logo is centered in the background. The logo consists of a circular emblem with a central five-pointed star, a central torch, and the words 'FIAT' and 'PANIS' on either side of the torch. The text 'FIAT' is on the left and 'PANIS' is on the right, both following the curve of the emblem's border.

Thank you