



Agroforestry

for sustainable landscapes and livelihoods

Elaine Springgay, Agroforestry Officer, FAO HQ

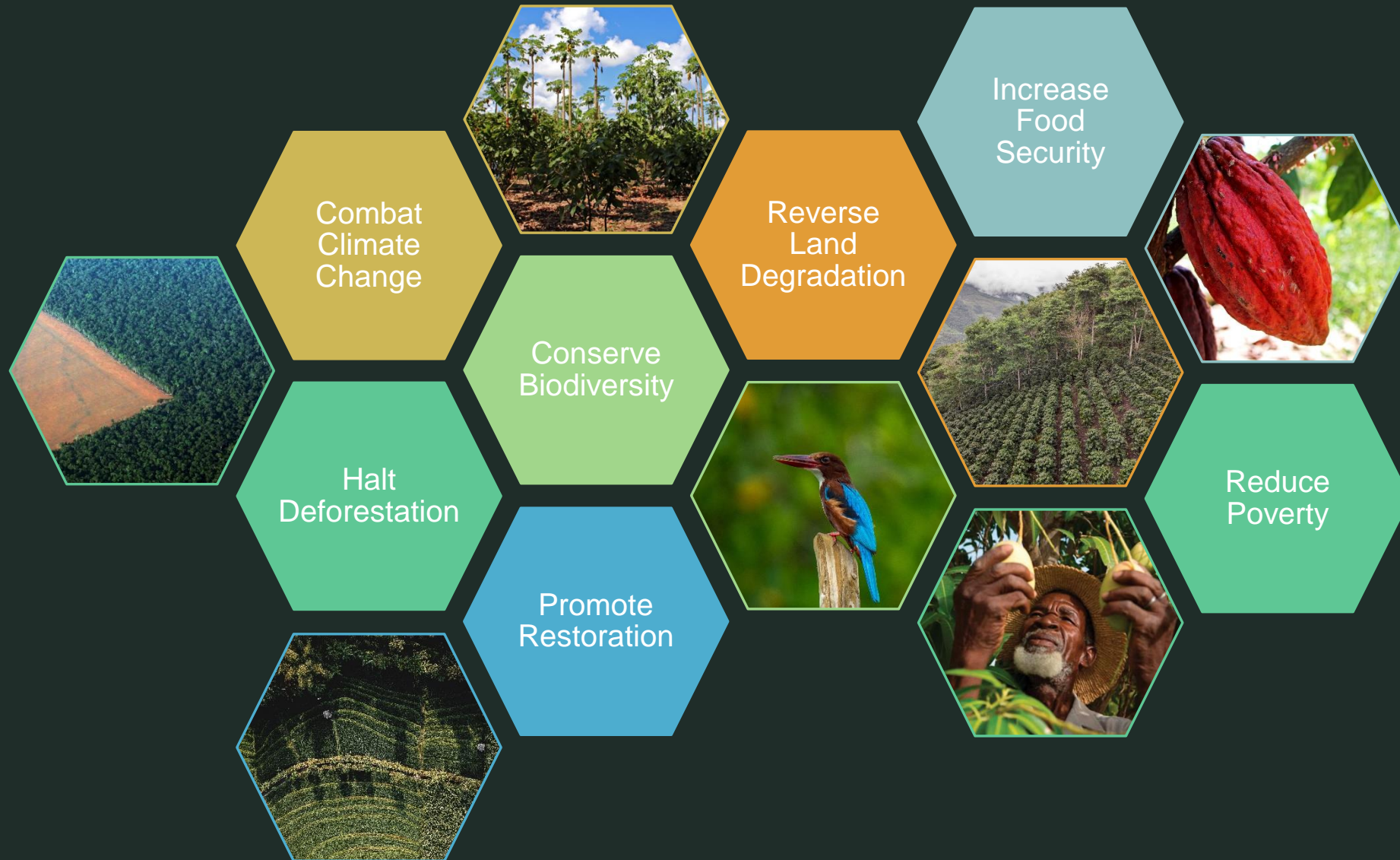
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for Asia and the Pacific





A diverse and complex solution for a diverse and complex challenge/objective

Solution to our Global Challenges



40% of countries propose agroforestry in their NDCs (Rosenstock et al., 2019)

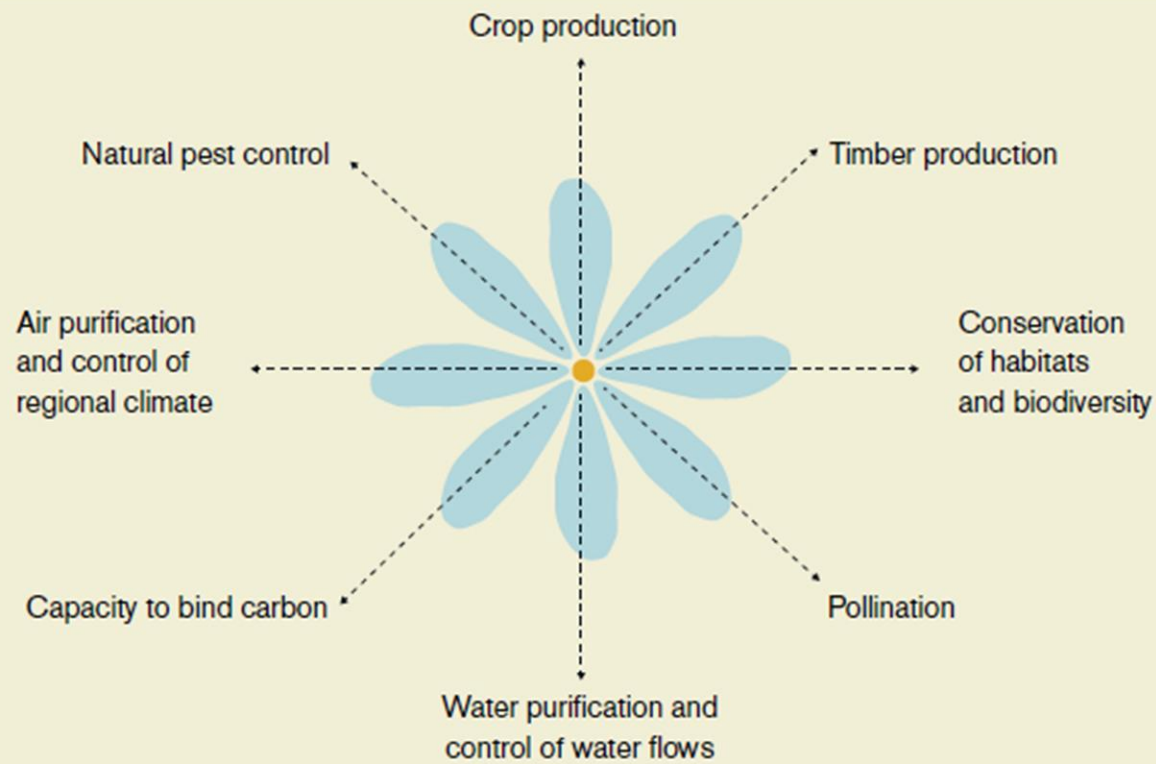


1.5/2.2 billion ha for restoration are best suited for mosaic restoration (Minnemeyer et al. 2011; FAO, 2017)

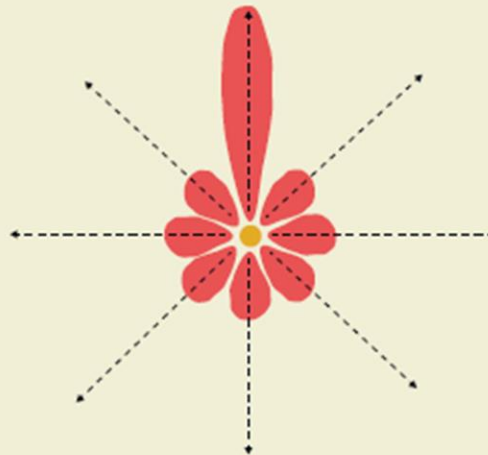


1 billion ha of agricultural land would benefit from the strategic establishment of trees (FAO, 2017)

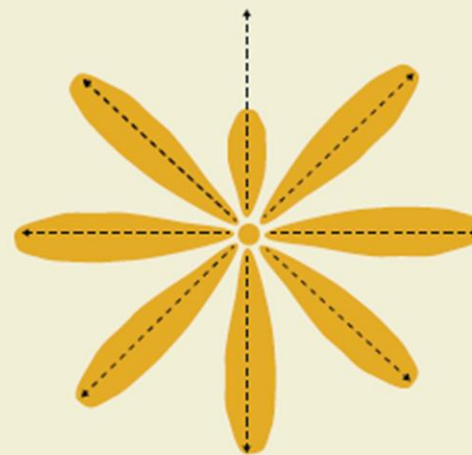




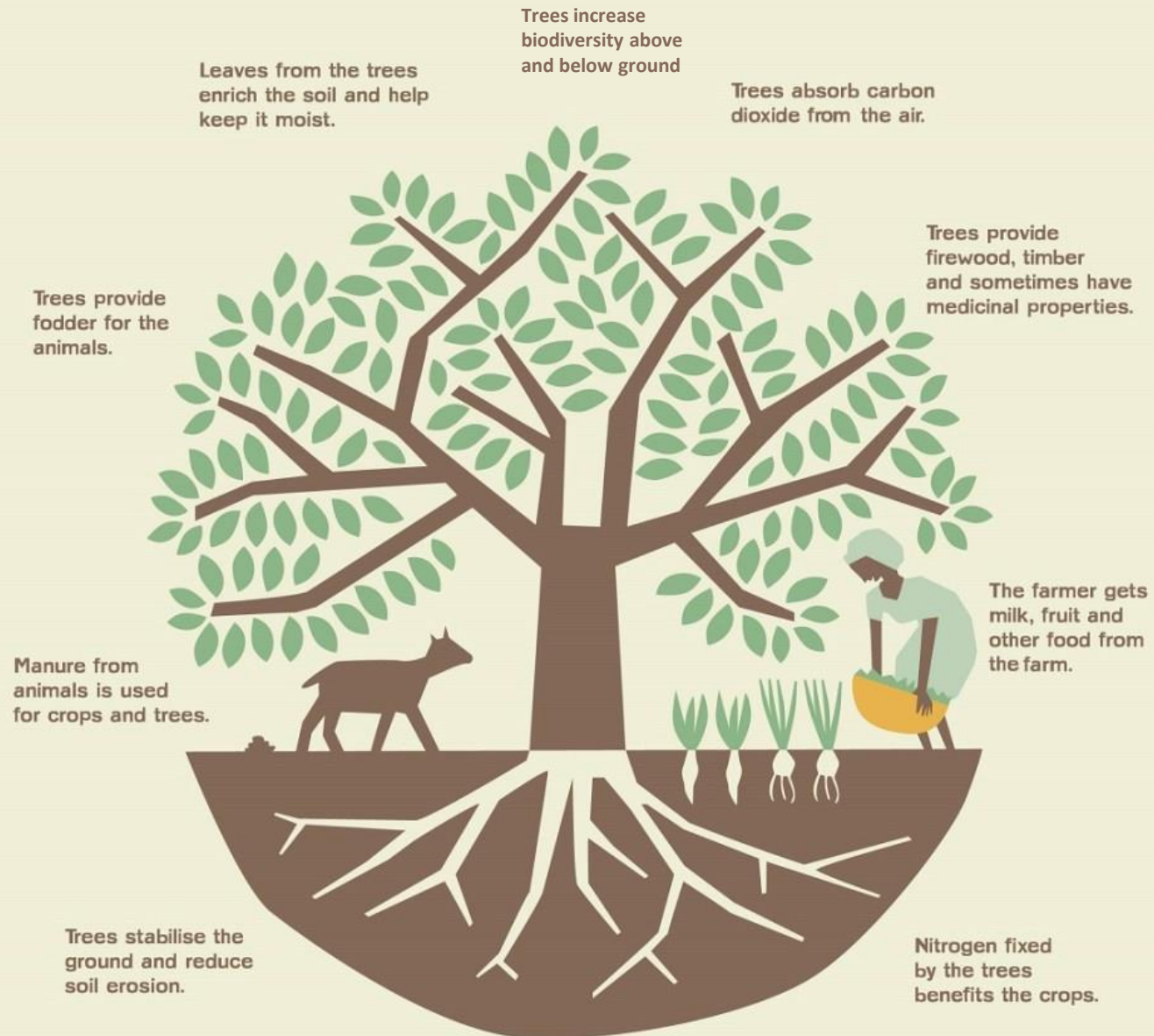
INTENSIVE AGRICULTURE



NATURAL ECOSYSTEMS



Benefits of Agroforestry



Benefits of Agroforestry



The Great Challenge

Establishing an enabling environment for Agroforestry



OPPORTUNITIES

- 17 Sustainable Development Goals



- Common threads across sectors (e.g. biodiversity, climate change, resilience of landscapes and livelihoods)
- Opportunities to work together beyond boundaries

OPPORTUNITIES

- Six Global Forest Goals



Global Forest Goal 1

Reverse the loss of forest cover worldwide through sustainable forest management, including protection, restoration, afforestation and reforestation, and increase efforts to prevent forest degradation and contribute to the global effort of addressing climate change.



Global Forest Goal 2

Enhance forest-based economic, social and environmental benefits, including by improving the livelihoods of forest-dependent people.



Global Forest Goal 3

Increase significantly the area of protected forests worldwide and other areas of sustainably managed forests, as well as the proportion of forest products from sustainably managed forests.



Global Forest Goal 4

Mobilize significantly increased, new and additional financial resources from all sources for the implementation of sustainable forest management and strengthen scientific and technical cooperation and partnerships.



Global Forest Goal 5

Promote governance frameworks to implement sustainable forest management, including through the United Nations forest instrument, and enhance the contribution of forests to the 2030 Agenda for Sustainable Development.

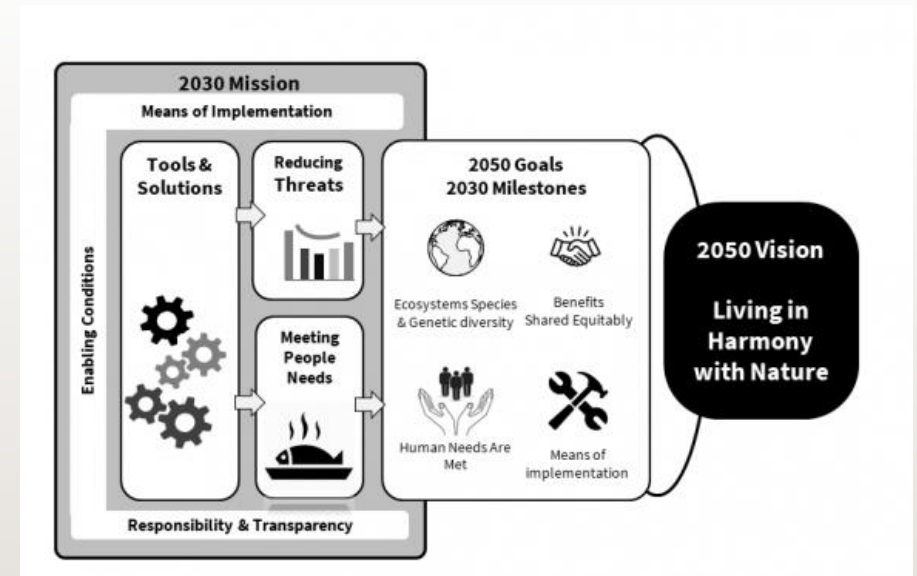


Global Forest Goal 6

Enhance cooperation, coordination, coherence and synergies on forest-related issues at all levels, including within the United Nations system and across member organizations of the Collaborative Partnership on Forests, as well as across sectors and relevant stakeholders.

OPPORTUNITIES

- Post-2020 global biodiversity framework
 - Ensure that biodiversity is used sustainably to meet people's needs
 - Agroforestry as a strategy to conserve ecosystems and their biodiversity, including soil health
 - Promotes sustainable livelihoods in transitional areas and buffer zones to protected areas



OPPORTUNITIES

- United Nations Decade for the Eradication of Poverty
 - Support smallholder farmers
 - Promote employment opportunities; agroforestry has potential



Source: <https://undocs.org/A/RES/72/233>;
<http://www.fao.org/news/story/en/item/1182090/icode/>

OPPORTUNITIES

- United Nations Decade on Ecosystem Restoration
 - Restoring through agroforestry: pushing boundaries during green recovery and building back better



Source: <http://www.fao.org/news/story/en/item/1182090/icode/>
<http://www.fao.org/in-action/forest-landscape-restoration-mechanism/background/en/>
<https://trello.com/b/x4lwodDL/un-decade-on-ecosystem-restoration>

OPPORTUNITIES

- United Nations Decade of Family Farming:
 - Income generation and diversification
 - Towards more sustainable agri-food systems: agroforestry holds potential



Family farms occupy around
70–80% of farmland
worldwide

OPPORTUNITIES

- United Nations Food Systems Summit 2021
 - Part of the *Decade of Action* to achieve the SDGs
 - Bold new actions to achieve all SDGs, relying on healthier, more sustainable and equitable food systems
 - Transform the way we produce, consume and think about food: agroforestry gains relevance



**United
Nations**



Food Systems Summit 2021

OPPORTUNITIES

- Convergence
 - FAO's expertise in agriculture, forestry, livestock and fisheries



Source: <https://www.un.org/en/food-systems-summit/about>
<https://healthtalks.foodsystemsforhealth.org/>

OPPORTUNITIES

- **FAO Strategic Framework - Four betters**
 - Towards 4Bs: better production, better nutrition, a better environment and a better life
 - Not in isolation: Food, agriculture, livelihoods and wellbeing and natural resources conservation (FAO, 2021)
 - Agroforestry: gaining increasing attention as a key NRM practice
 - Reduce competition and enhance complementarities; wood and food security together

OPPORTUNITIES

- More biodiversity-friendly agricultural production
 - The Parties to the Convention of Biological Diversity called for mainstreaming of biodiversity across agricultural sectors
 - Moving towards more biodiversity-friendly agricultural policies and practices
 - FAO developed a Strategy and Action Plan for mainstreaming biodiversity across agricultural sectors
 - Promoting trees on farms for mainstreaming biodiversity; tree planting pledges

OPPORTUNITIES

- Seizing the opportunities
 - Accelerate innovations and technologies to produce more with less; promote science-based good practices & put knowledge into action (research-policy-practice)
 - Enhance data availability/use to build the business case
 - Transform governance, policies and institutions; fit for the purpose
 - Build capacities, direct investments and evolve incentive mechanisms towards more sustainable and inclusive agroforestry value chains

OPPORTUNITIES

- Seizing the opportunities
 - Enhance access of small-scale farmers/SMEs to knowledge, innovations and technologies, services, markets etc.
 - Mould *agropreneurs*: promoting digital agroforestry, especially for the youth; access to e-commerce, technology for better certification etc.
 - Communicate success stories and technological, organizational and social innovations; inspire further actions

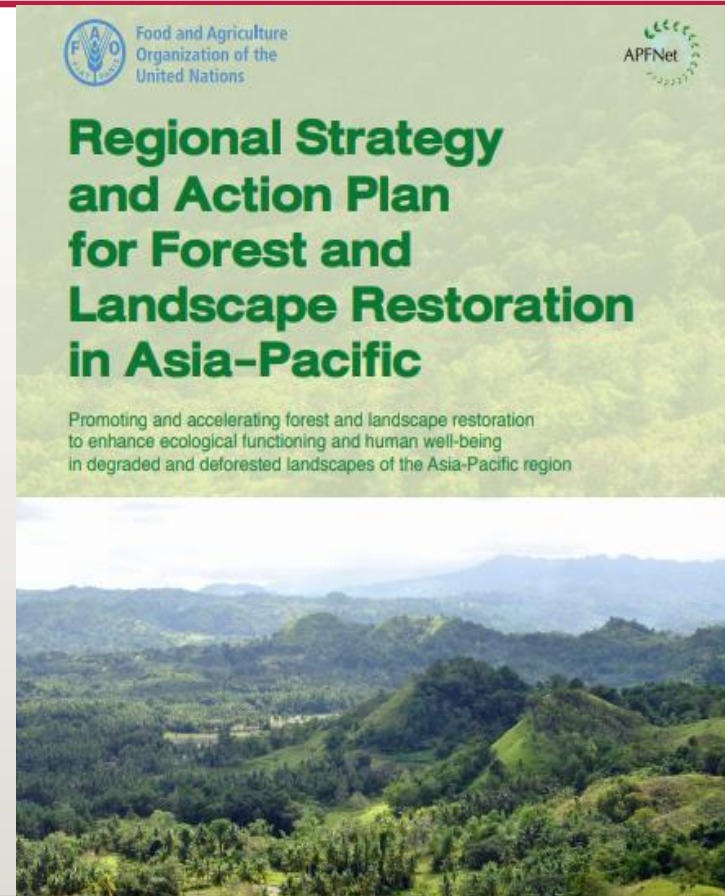
OPPORTUNITIES

- Seizing the opportunities
 - Accelerate innovative financing; with public and private investments to meet several commitments and improve the capacities of agroforestry stakeholders to leverage further investments
 - Strengthen collaboration with diverse resource partners (knowledge and financial) for gaining synergies and advancing nature-based solutions
 - Evolve multipronged strategies and targeted programmes/projects for inclusive transformation of landscapes and livelihoods

THE ASIA-PACIFIC REGION: EXAMPLES OF INITIATIVES

ASIA-PACIFIC REGION: REGIONAL STRATEGY

- Agroforestry: an integral part of the Regional Strategy and Action Plan for restoration in Asia-Pacific



REGIONAL PROJECT ON SCALING UP RESTORATION

- Agroforestry: part of the Regional project *Support scaling up forest and landscape restoration alongside FAO's Hand in Hand Initiative*
 - Put the Regional Strategy and Action Plan to work on the ground
 - Seven countries: Bangladesh, Lao PDR, Myanmar, Nepal, Pakistan, PNG and Timor-Leste

REGIONAL PROJECT ON SCALING UP RESTORATION

- Aims
 - Innovative and targeted capacity building
 - Popularize more scientific and holistic restoration approaches
 - Promote the opportunities for match making and blended finance
 - Strengthen connection and gain synergies with other initiatives and thus catalyze a regional movement for restoration

IMPLEMENTING THE ASEAN GUIDELINES FOR AGROFORESTRY

- Regional project *Scaling-up agroforestry in the ASEAN region for food security and environmental benefits*
- Support the implementation of the ASEAN Guidelines for Agroforestry Development (approved at the 40th Meeting of the ASEAN Ministers on Agriculture and Forestry)
- Target countries: Cambodia, Lao PDR, Myanmar

IMPLEMENTING THE ASEAN GUIDELINES FOR AGROFORESTRY

- Develop institutional infrastructure to promote the ASEAN guideline and practices across relevant sectors for agroforestry development
- Develop roadmaps for advancing agroforestry in member countries
- Strengthen the capacity for agroforestry development
- Develop a regional knowledge hub on agroforestry

SUPPORT IMPLEMENTING THE NATIONAL POLICY IN INDIA

- National Project: *Support implementation of the National Agroforestry Policy by enhancing tree cover and wood production*
 - Strengthen coordination across Departments and programmes
 - Help build and strengthen grassroots level extension mechanisms
 - Mould the rural youth for playing a pivotal role to upscale the agroforestry practices across India

SUPPORT IMPLEMENTING THE NATIONAL POLICY IN INDIA

- National Project: *Support implementation of the National Agroforestry Policy by enhancing tree cover and wood production*
 - Develop standards on the characteristics and quality of agroforestry products for trading with optimal prices in e-markets
 - Develop and test a method for the inventory of agroforestry systems (using satellite images and machine learning techniques)

Thank you



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