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Regenerative Agriculture and Green Investments

Promoting Agribusiness and Investments in Processed Food Sector
Lancang Mekong Business Forum 2022, Phnom Penh



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Look at
Sustainable
Food
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Big Picture on Food Systems



UNITED NATIONS

GENERAL ASSEMBLY » SECOND COMMITTEE

GA/EF/3242
9 OCTOBER 2009

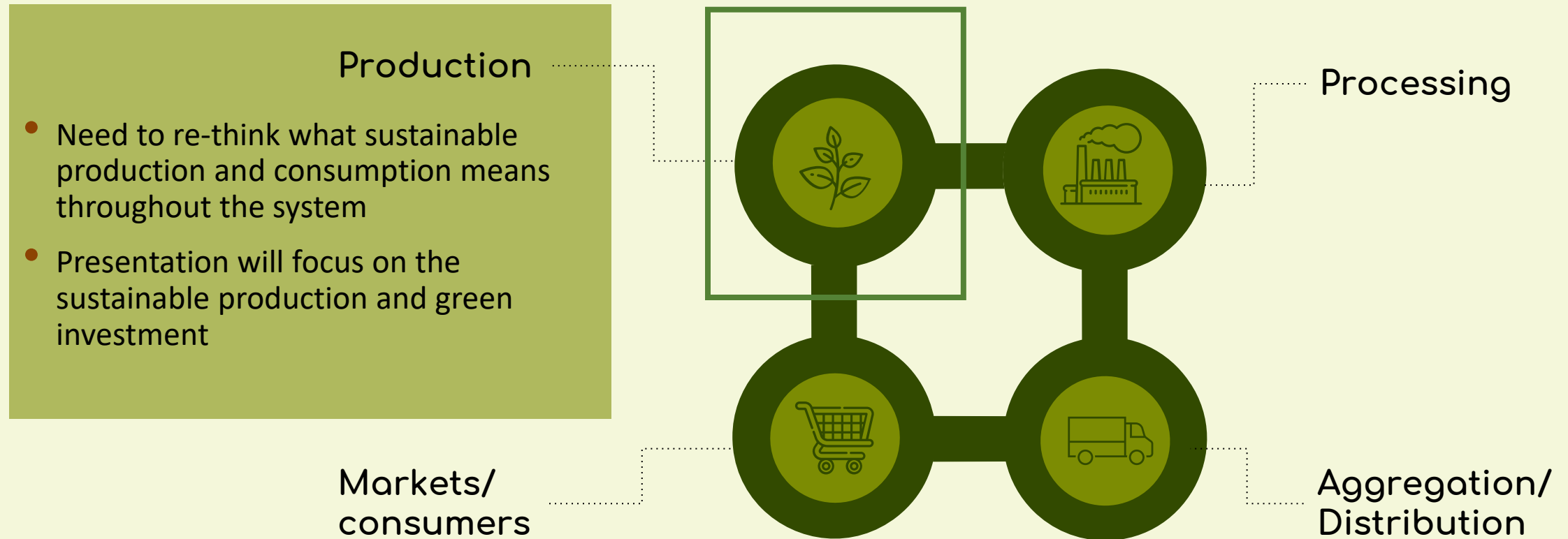
Food Production Must Double by 2050 to Meet Demand from World's Growing Population, Innovative Strategies Needed to Combat Hunger, Experts Tell Second Committee

Today humanity uses the equivalent of 1.75 Earths to provide the resources we use and absorb our waste...this means it now takes the Earth one year and eight months to regenerate what we use in a year. ([Global Footprint Network](#))

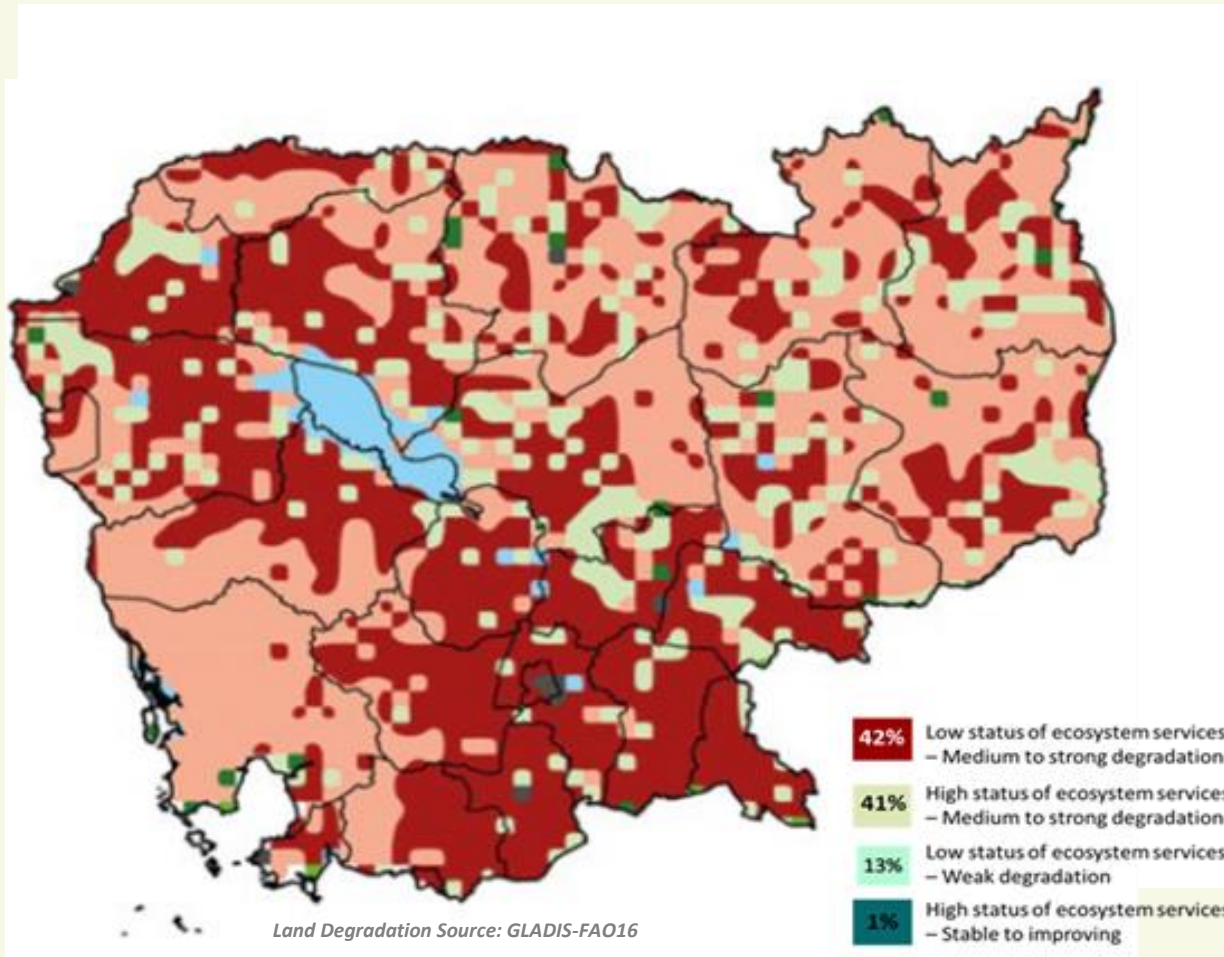


Global Footprint Network
Advancing the Science of Sustainability

Need for Sustainable Systems Throughout the Value Chain



The Cambodian Context

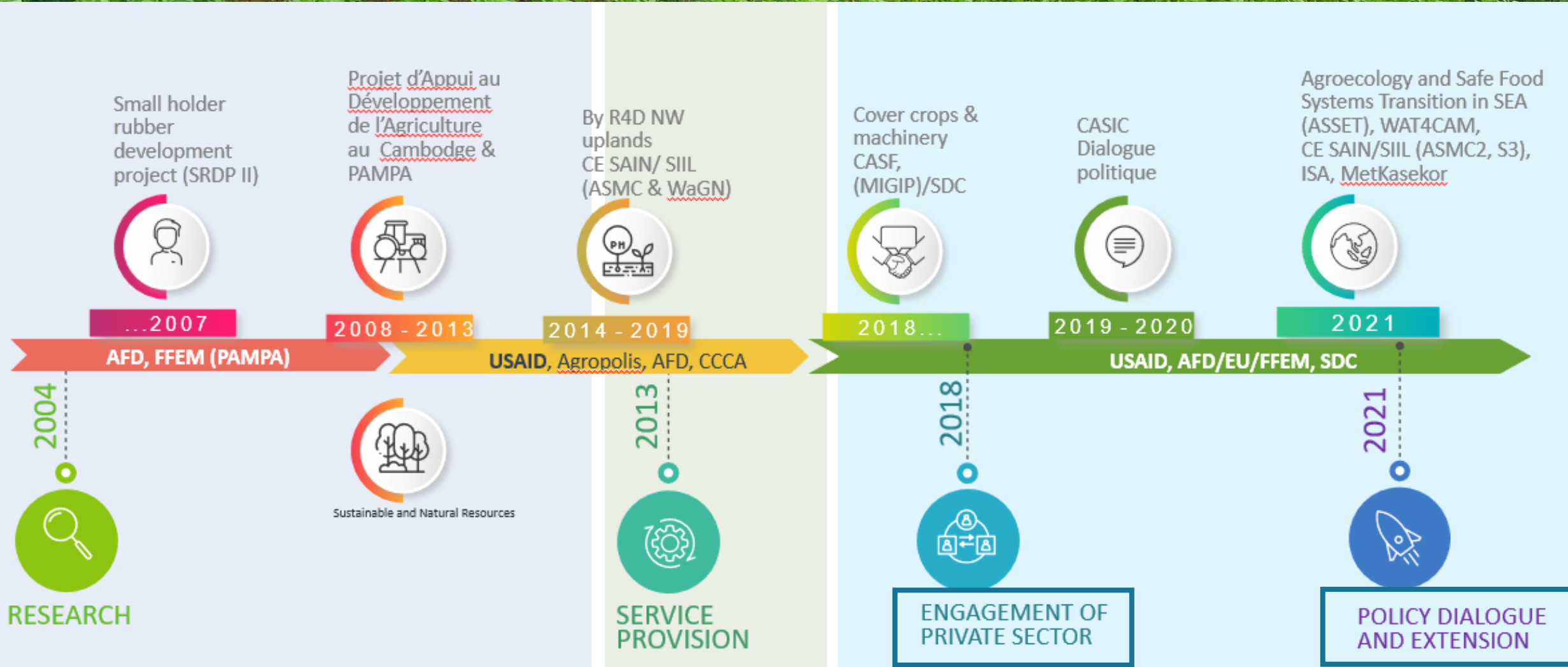


■ **6.3 million** Cambodians living on **degrading agricultural land**, with low soil management

■ Annual cost of land degradation is estimated at **USD 677 million** or **3%** of GDP (UNCCD, 2018)

■ Need to move from conventional tillage farming towards a more **sustainable regenerative agriculture practices**

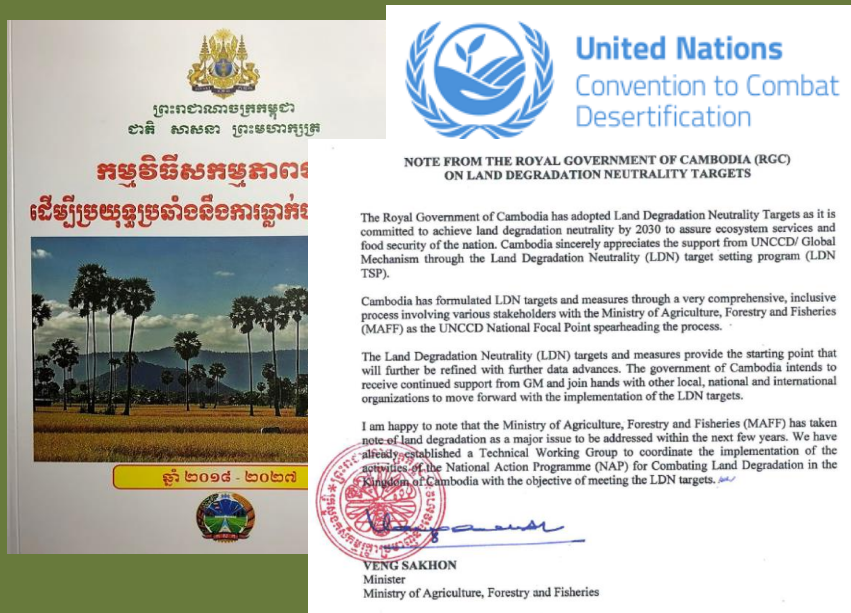
Responses from 2004, moving into the commercial world since 2018



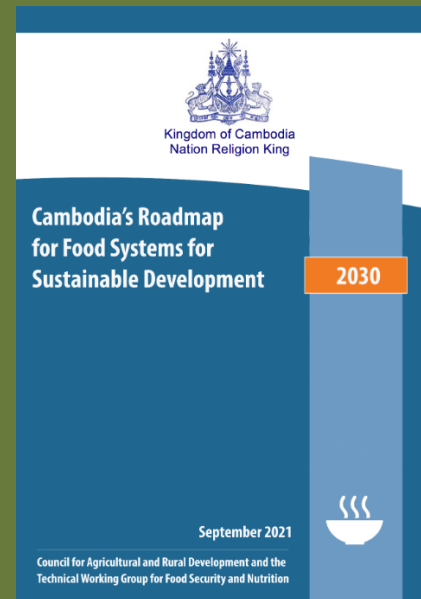
Cambodia's commitment to UN Conventions



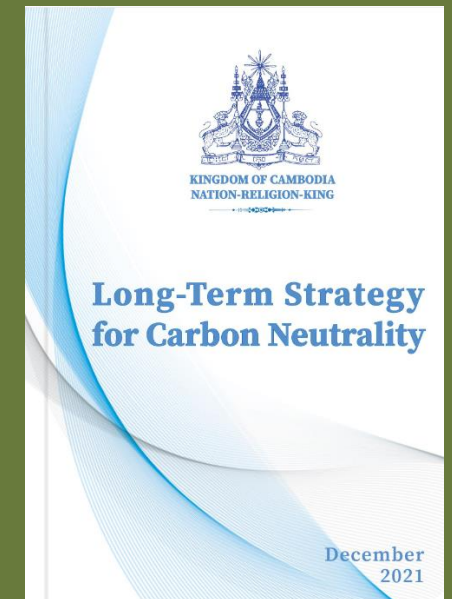
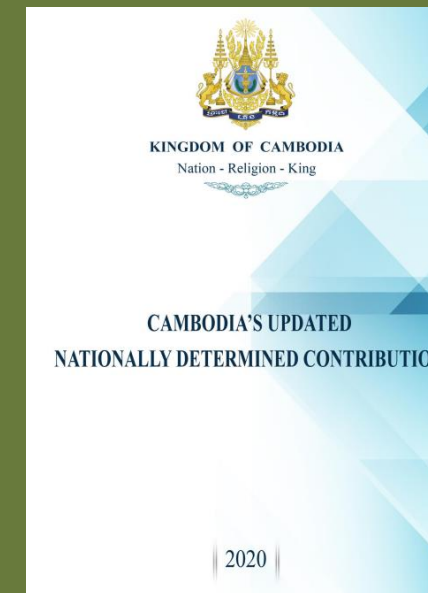
NAP (National Action Program) to Combat Land Degradation (2018-2027)



Food Systems Roadmap (2021-2030)



Nationally Determined Contribution (2020-2030)



UN Convention for Combating Desertification

- Healthily Soil
- Increase soil carbon content to 0.12%

UN Food Systems Summit 2021

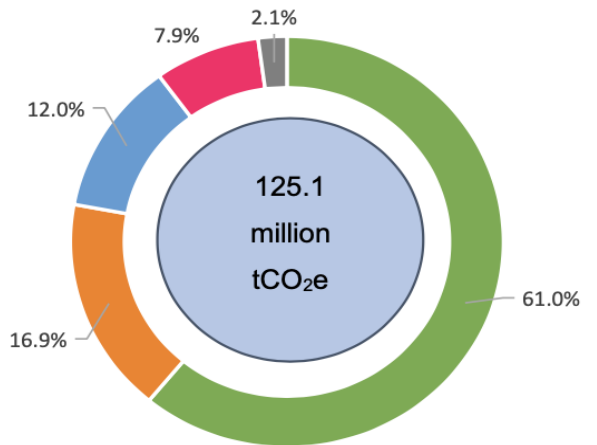
- Resulted in the development of a roadmap

UN Framework Convention on Climate Change (UNFCCC)

- Mitigation and adaptation of carbon
- Target to reduce 48% carbon emissions

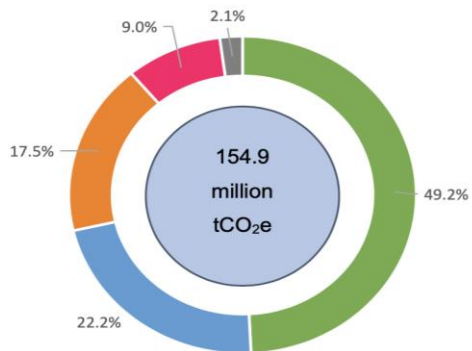
Commitment in the Nationally Determined Contribution (NDC)

BAU GHG Emissions in 2016 (Including the FOLU)



■ FOLU ■ Agriculture ■ Energy ■ Industry(IPPU) ■ Waste

BAU GHG Emissions in 2030 (Including the FOLU)



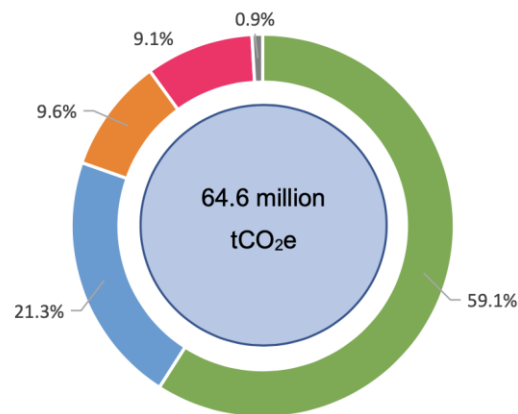
■ FOLU ■ Energy ■ Agriculture ■ Industry(IPPU) ■ Waste

2016
emissions

2030
Business-
as-usual
scenario

→
+24%

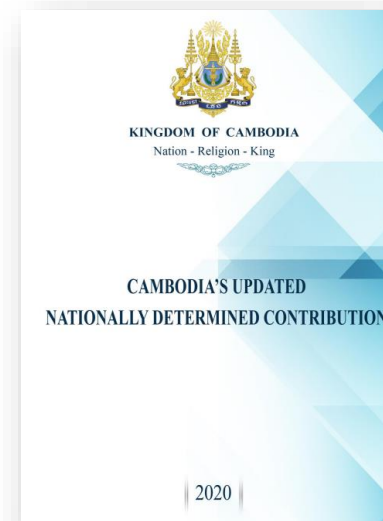
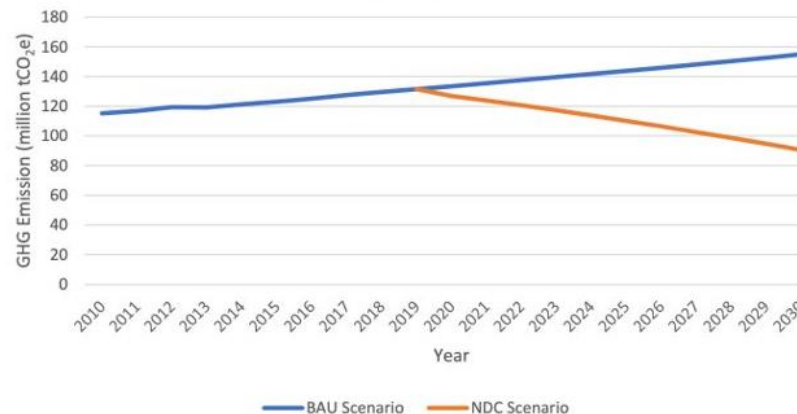
GHG emission reduction under the NDC scenario - 2030



■ FOLU ■ Energy ■ Agriculture ■ Industry(IPPU) ■ Waste

2030
Emissions
reduction
scenario
→ -48%
(compared to 2016)

Overall GHG emissions reduction for NDC scenario
(including the FOLU)



Initiatives in Cambodia towards Regenerative Agriculture

Establishment of **Conservation Agriculture and Sustainable Intensification Consortium (CASIC)**, under the Ministry of Agriculture, Forestry and Fisheries (MAFF) a collaborative platform for coordination on regenerative agriculture

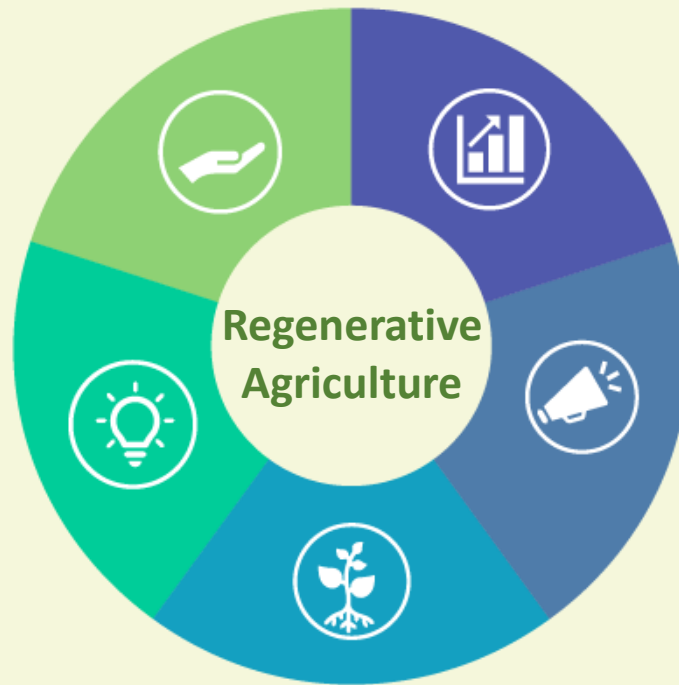


Center of Excellence on Regenerative Agriculture

A four year strategic roadmap is developed. Aspirations for regional center of excellence

Pilot DieMeas (Golden Soil) as the farmer transition financing model

A 3-year pilot underway. Setting up certification and verification system including carbon credit



Skill/apprenticeship system on regenerative agriculture

InGuider (apprentice) system established. Next step is to integrate regenerative agriculture in curriculum

MetKasekor – an opening the market model on regenerative agriculture

MetKasekor public private model. Pilot testing underway. Embedded into the government system

Cover crops no-till machines

Companies on cover crop production/distribution channel, no-till and other equipment



Opportunities for Investment

Approximately **\$500 million** market for machineries in Regenerative Agriculture



Other Opportunities for Investment



Approx. **\$ 50-100 million annual market**
for Cover Crops in Regenerative
Agriculture



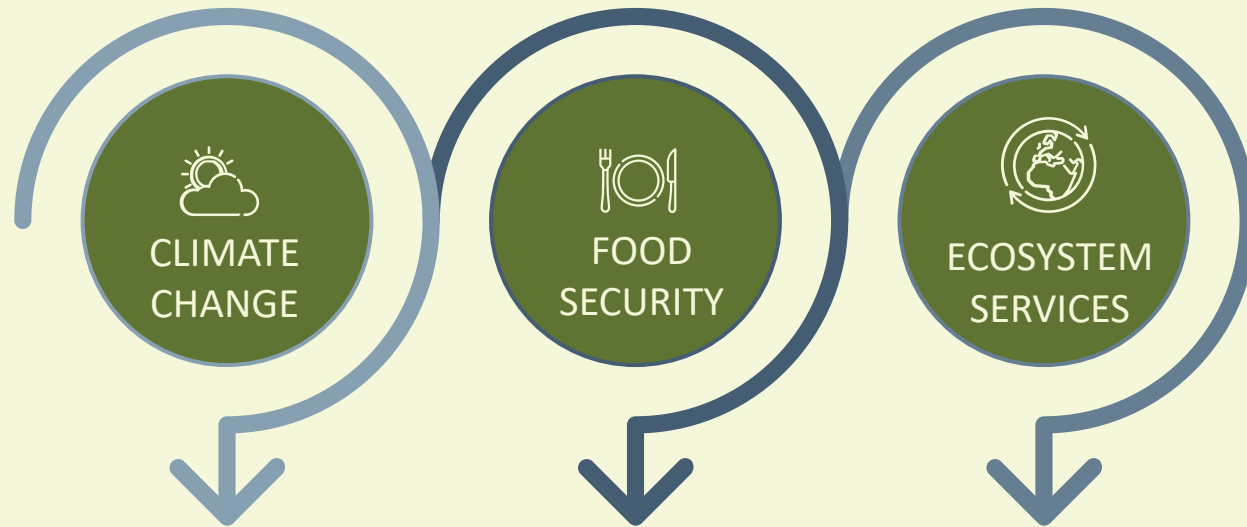
Climate Financing worth approx. **US\$ 2 billion** (2030 targets, based on 64mtCO₂ @\$30 per tCO₂), **US\$ 200 million** (agriculture)

Contribution to some key global initiatives



Increasing Carbon Storage in Soil helps achieve SDGs

INCREASING CARBON STORAGE IN SOILS
→ Regenerative Agriculture



Sustainable Development Goals (SDGs)



Aligning to European Green Deal Presents an Opportunity



- Striving to be the first climate-neutral continent
- The European Green Deal is also EU lifeline out of the COVID-19 pandemic.
- Working with countries to enable sustainable financing
- Could present opportunities for countries exporting “green” products.



https://ec.europa.eu/food/horizontal-topics/farm-fork-strategy_en



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Recap

- Urgent need to address sustainable production and consumption, to address growing demand for food and climate change
- Cambodia taking steps towards **regenerative agriculture**, much remains to be done
- Business opportunities exist in the **regenerative agriculture** space, including carbon financing.
- All these feed into global initiatives and the 2050 net-zero targets
- Can Cambodia be known as a country producing “green” products?

Thank you

