



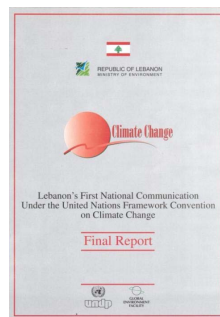
Lebanon's Experience

Work of the CGE in support
the preparation of the NCs
and BURs

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Mary Awad Menassa
Ministry of Environment
Lebanon

Lebanon's past and upcoming submissions



Fourth
National
Communication

2021



2015



2017



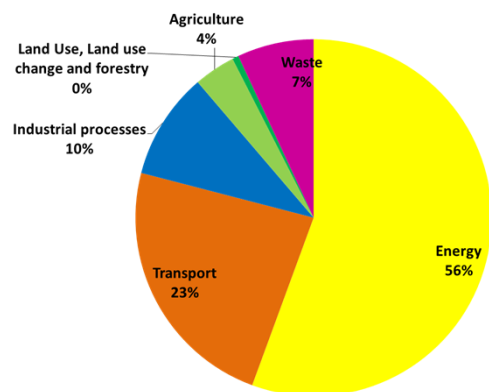
Third
Biennial
Update
Report

2019



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Key Findings – GHG Inventory



Total emissions in 2013 :
26,285 Gg CO₂eq.



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Key Findings - Mitigation



Decentralized PV	Solar-Powered Water Pumping	Solar-Powered Street Lighting	Energy-Efficient Street Lighting	Solar Water Heating	Certified Green Buildings
Energy Conservation Measures	Biomass Space Heating	Other Renewables	Other Energy Efficiency	Energy efficiency in power plants	



Estimated yearly reduction
1,312,996 tonnes of CO₂



Protecting existing carbon reservoirs	Expanding existing sinks	Manage forest fires
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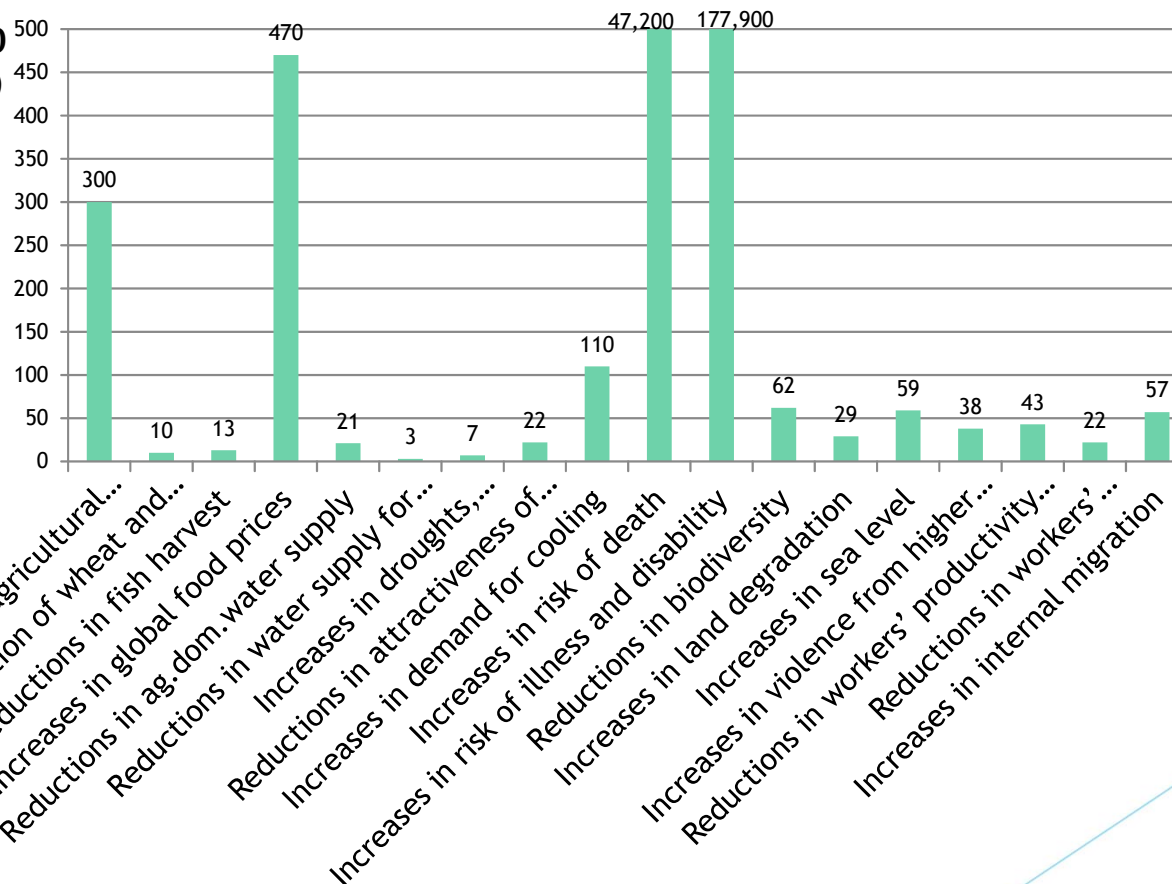
Estimated yearly reduction
18,996 tonnes of CO₂



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Key Findings – Cost of Impact

Costs in 2020
(million USD)



Direct Economic Damage

Environmental disasters
Disease, injury, death
Industry stress

2.8 Billion

Lost GDP growth

Lower business activity
Lower household incomes
Gov't: revenue ↓ costs ↑

14
Billion

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Key Challenges

BUR preparation

- Human resources
- Funding cycles
- Institutional arrangements
- National ownership

Inventory preparation

- IPCC Guidelines
- Underdeveloped institutional arrangements for data monitoring and collection
- Unavailability of specific data and/or the inaccessibility of existing data for adopting tier 2

Reporting mitigation actions

- Limited data available on progress of policy implementation
- Absence of policy workplans and indicators
- Difficulty in identifying climate related components in sectoral policies

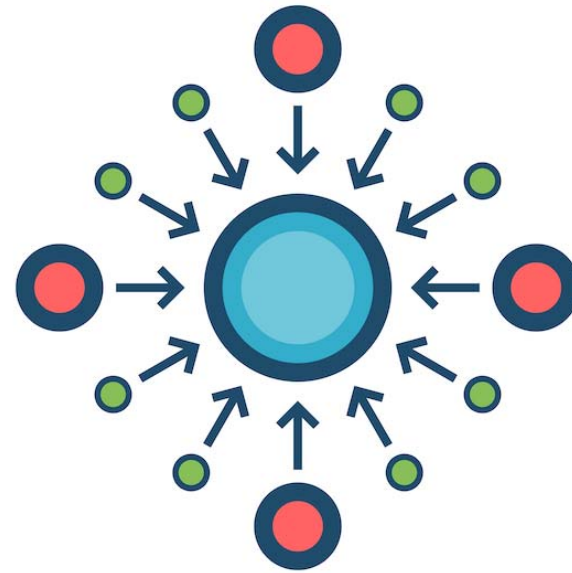
Reporting needs and support received

- Data collection
- Institutional arrangements
- Definition and methodology synchronization
- Progress tracking



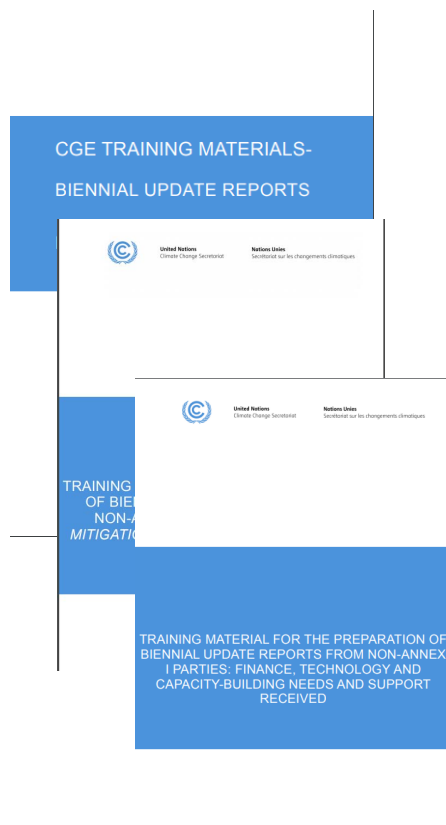
Lessons Learned from ICA and FSV

- ▶ Centralized compilation process
- ▶ Replace batch process to continuous process
- ▶ Defined roles and responsibilities
- ▶ Clearer expectations of end product
- ▶ Systematic data collection and narration
- ▶ Systematic documentation



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Support of CGE



Workshop on Sustainable National Greenhouse Gas Inventory Management Systems, and the Use of the 2006 IPCC Guidelines



CGE Surveys for the programming of technical support to developing countries

CGE Survey on constraints and lessons learned in NCs and BURs



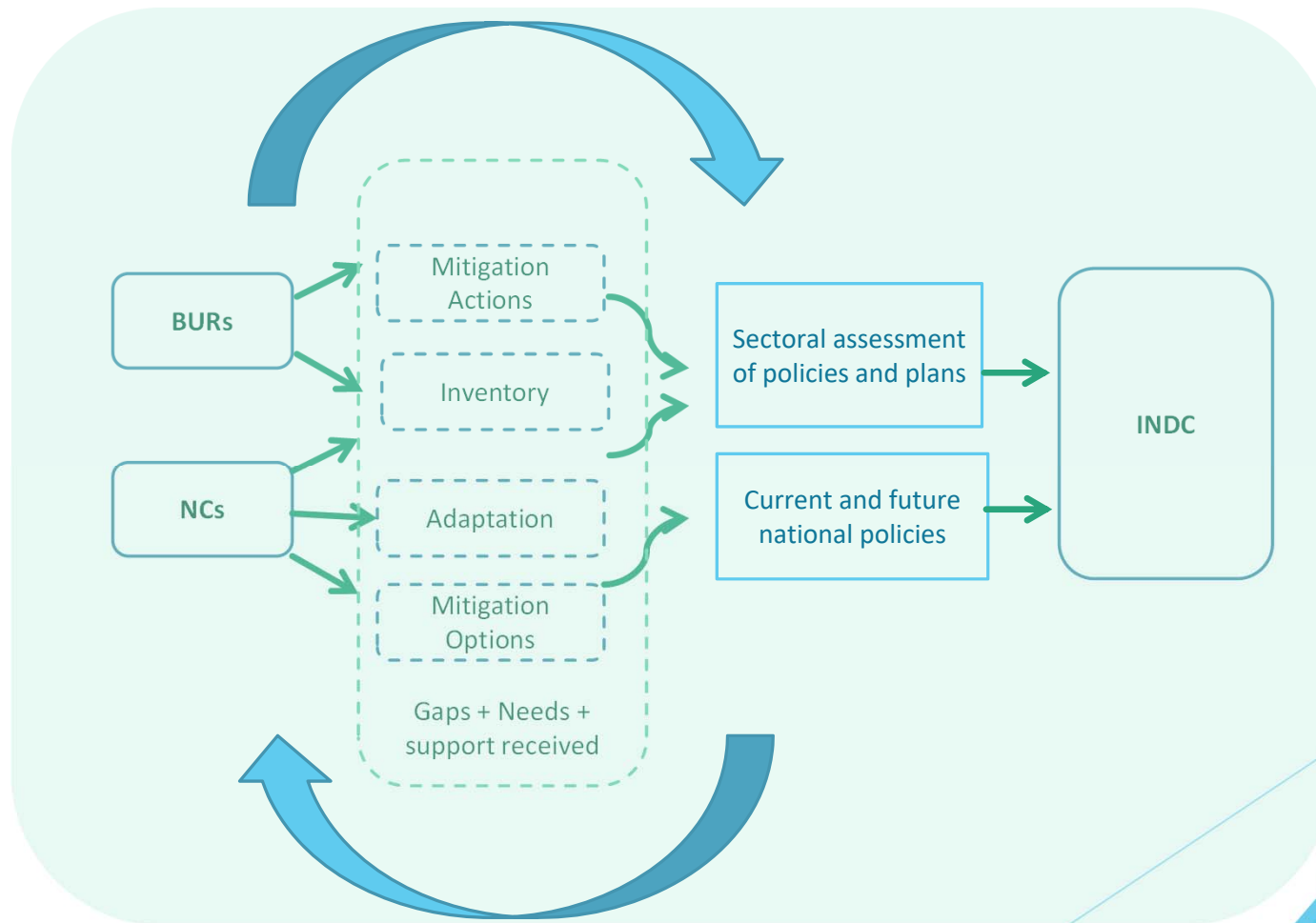
CGE TTE training programme



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Linking BURs and NC to national development

Transparency Framework



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Further Technical Assistance from CGE

- ▶ Tools and indicators for capture support received for climate change
- ▶ Tools and indicators to track/quantify reduction potential of policies and strategies
- ▶ Tools and indicators on adaptation communication





Any questions?

Thank You!

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