



## Reflections on Biodiversity Mainstreaming Principles in the GEF

STAP Biodiversity Mainstreaming Workshop

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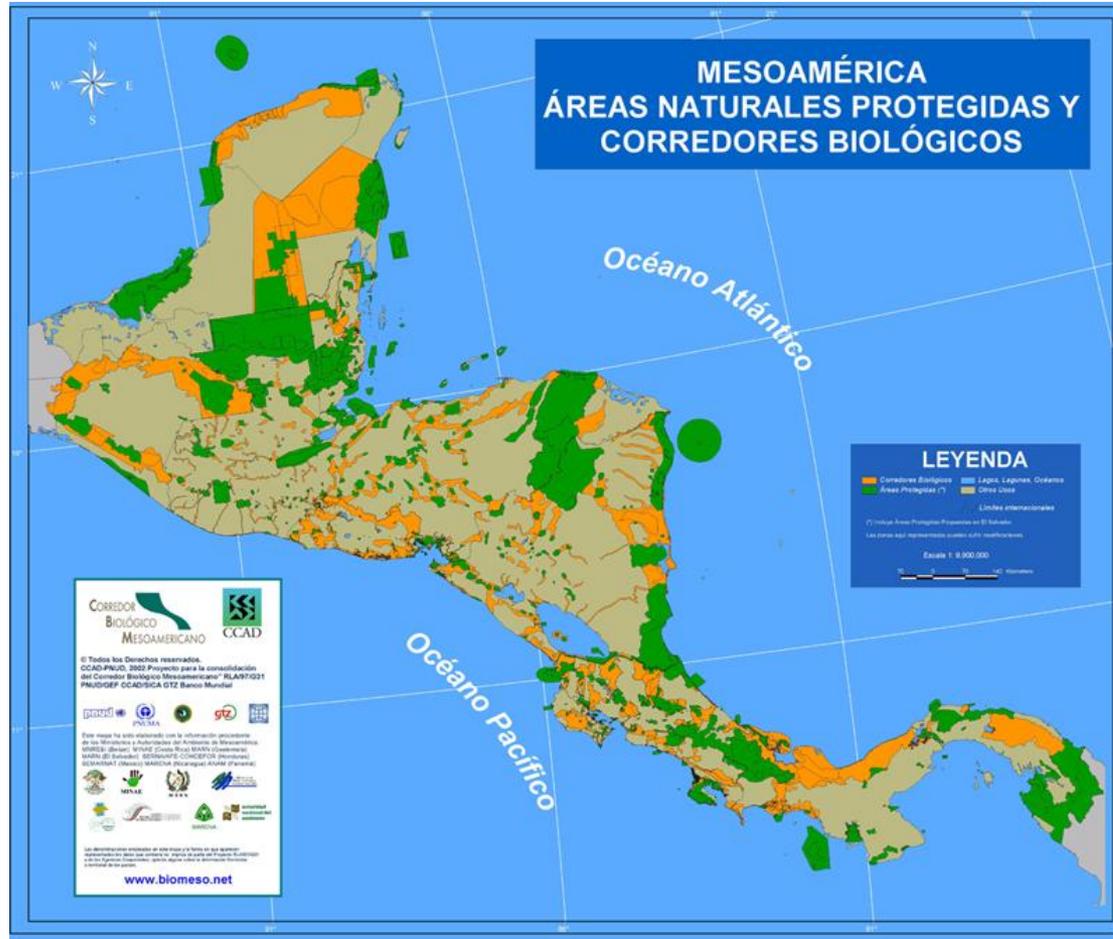
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# Outline

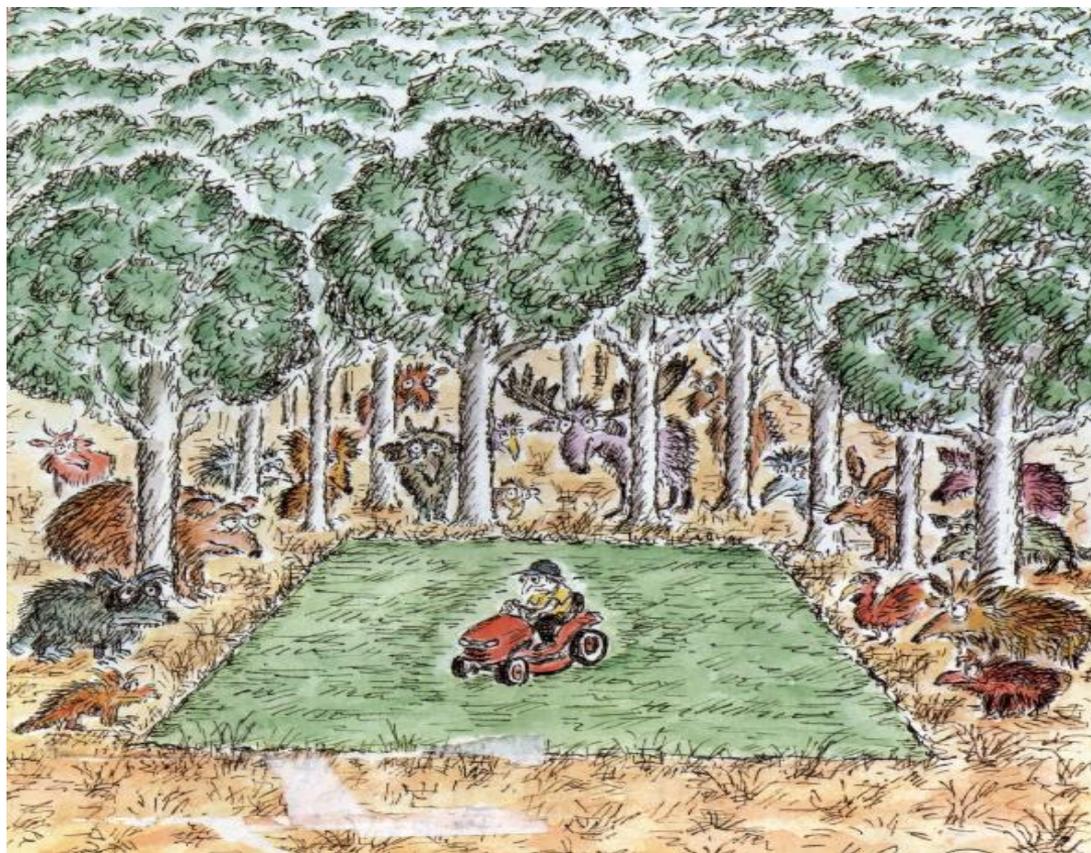
1. Back to the future
2. Mainstreaming defined, barriers to implementation, key principles in the GEF biodiversity strategy
3. What keeps us up at night
4. End game: mainstreaming in GEF-6 and beyond

# Mainstreaming has deep roots in the GEF



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# Mainstreaming defined



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# Barriers to mainstreaming

- Ineffective governance
- Conflicting policies (e.g., tenure regimes biased against “idle” lands)
- Limited incentives
- Perverse subsidies
- Weak capacity



# Mainstreaming principles in GEF

- Public (our principal client) and private sector (very widely defined) as critical actors
- Public sector: strengthen capacity to manage and regulate the use of biological diversity in the productive landscape through improved policies and regulations, removal of perverse subsidies, targeted capacity building (e.g., information and data gathering, spatial planning, etc.)
- Private sector: capacity building (e.g., meeting certification standards) including awareness raising.
- Sector focus: agriculture, forestry, fisheries, tourism, extractive industries.



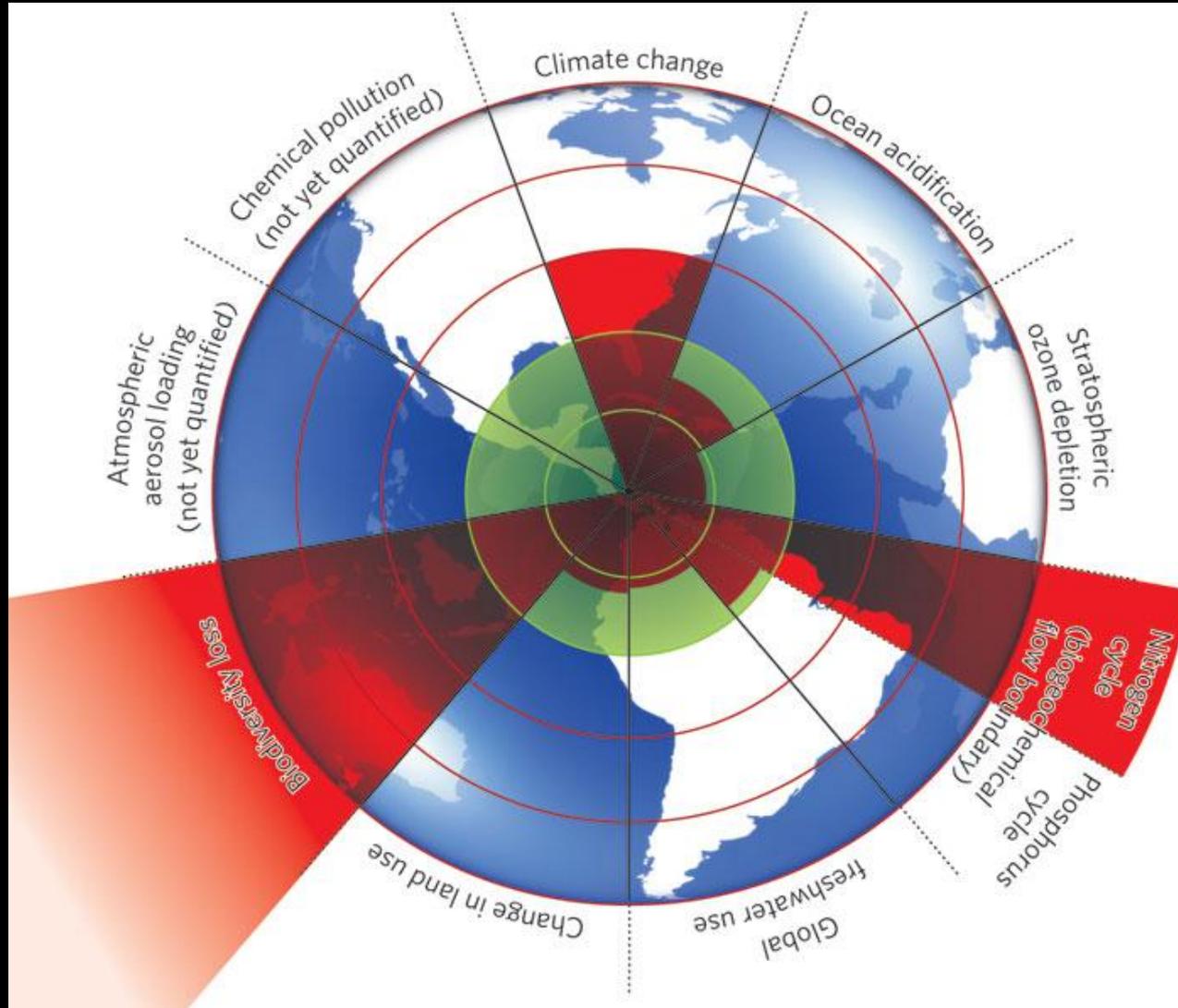
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**Keeping us up at night.....**



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# Transgressing the Safe Operating Space



# The main food production drivers of environmental impact are cattle, palm oil, fish, and rice

■ Low impact   
 ■ Medium impact   
 ■ High impact

Environmental impact <sup>12</sup>					
	Land-use	Water Use	CO <sub>2</sub>	Land degradation and water pollution	Land and ocean biodiversity
	Hectares affected in 2030 / Size of habitat impacted by 2030	Km3 withdrawals in 2030	tCO <sub>2</sub> e in 2030 (includes direct factors such as deforestation, as well as indirect, such as fertilizer)	Qualitative assessment (expert interviews)	Qualitative assessment (expert interviews)
Cattle	High impact	High impact	High impact	Medium impact	High impact
Palm oil	Medium impact	Low impact	High impact	Medium impact	High impact
Fish	High impact	Medium impact	Low impact	High impact	Medium impact
Rice	Medium impact	High impact	High impact	Medium impact	Low impact
Wheat	Medium impact	High impact	High impact	Medium impact	Medium impact
Biomass	Medium impact	High impact	Medium impact	Medium impact	Medium impact
Corn	Medium impact	High impact	Medium impact	Medium impact	Medium impact
Soy	Medium impact	Low impact	Medium impact	Medium impact	Low impact
Sugarcane	Low impact	Medium impact	Low impact	Medium impact	Medium impact

1 The order of magnitude of impact determines whether it is categorized as low, medium, or high. Impacts categorized as high tend to be >5 times as strong as one classified as medium, which tend to be >5 times as strong as ones categorized as low impact

2 The analysis looks very similar whether we look at 2030 or today

Source: McKinsey analysis

# Achieving impact at scale



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# Theory of change



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# What does mainstreaming success look like and how do we measure it?



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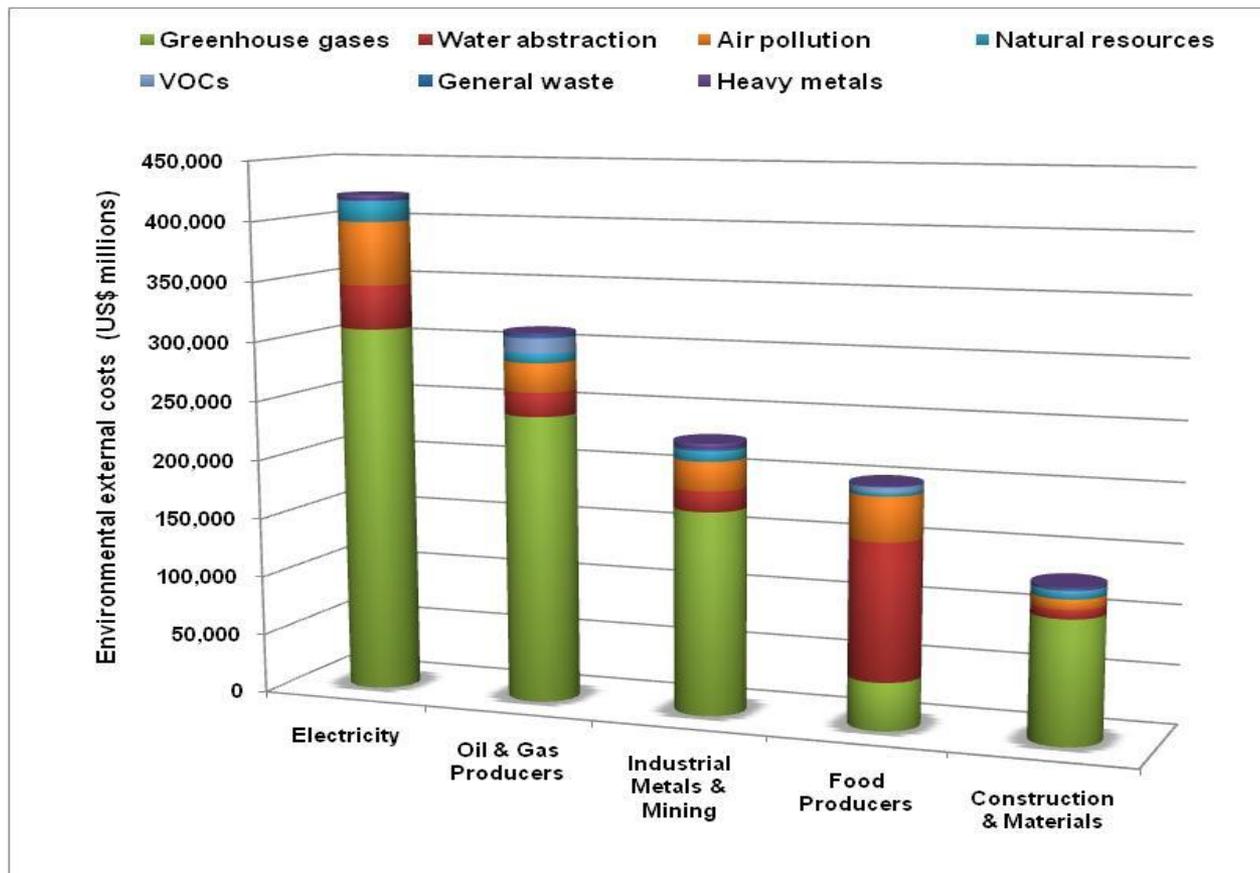
# What does mainstreaming success look like and how do we measure it?



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# Silver bullet or chimera: valuation of biodiversity

Negative externalities of top 3,000 companies estimated at US\$2.15 trillion per annum.....



# End game: Mainstreaming at scale

- Evolving the theory of change
- Evidence-based approaches
- Long-term investment strategies and implementation
- More intelligent and effective private sector engagement





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**Thank you for your attention.**

