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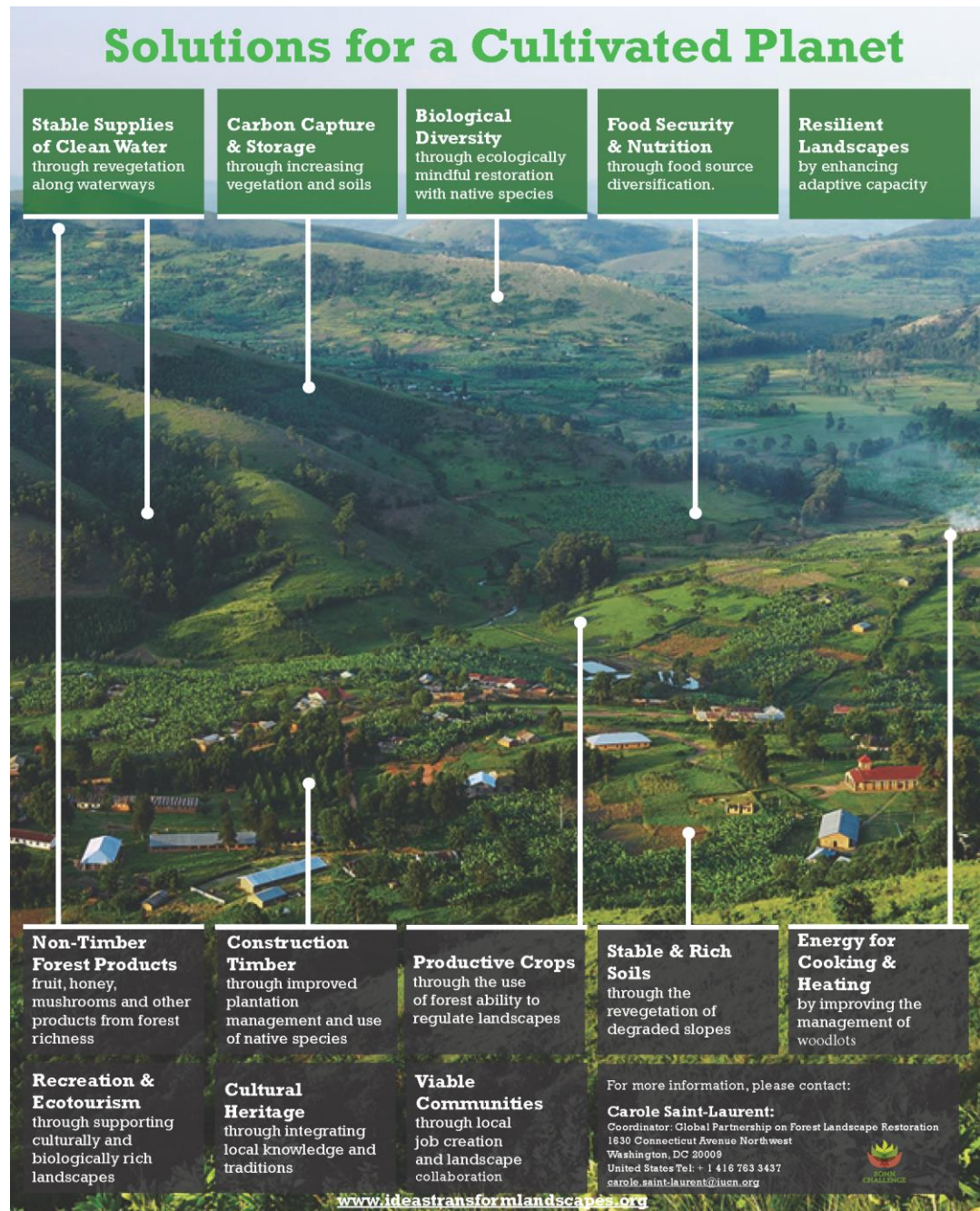
# Expert Group meeting in preparation for HLPF 2018 Session 4: Holistic and Integrated Approaches to achieving SDG 15

Juha Siikamäki, 14 May 2018, UN HQ

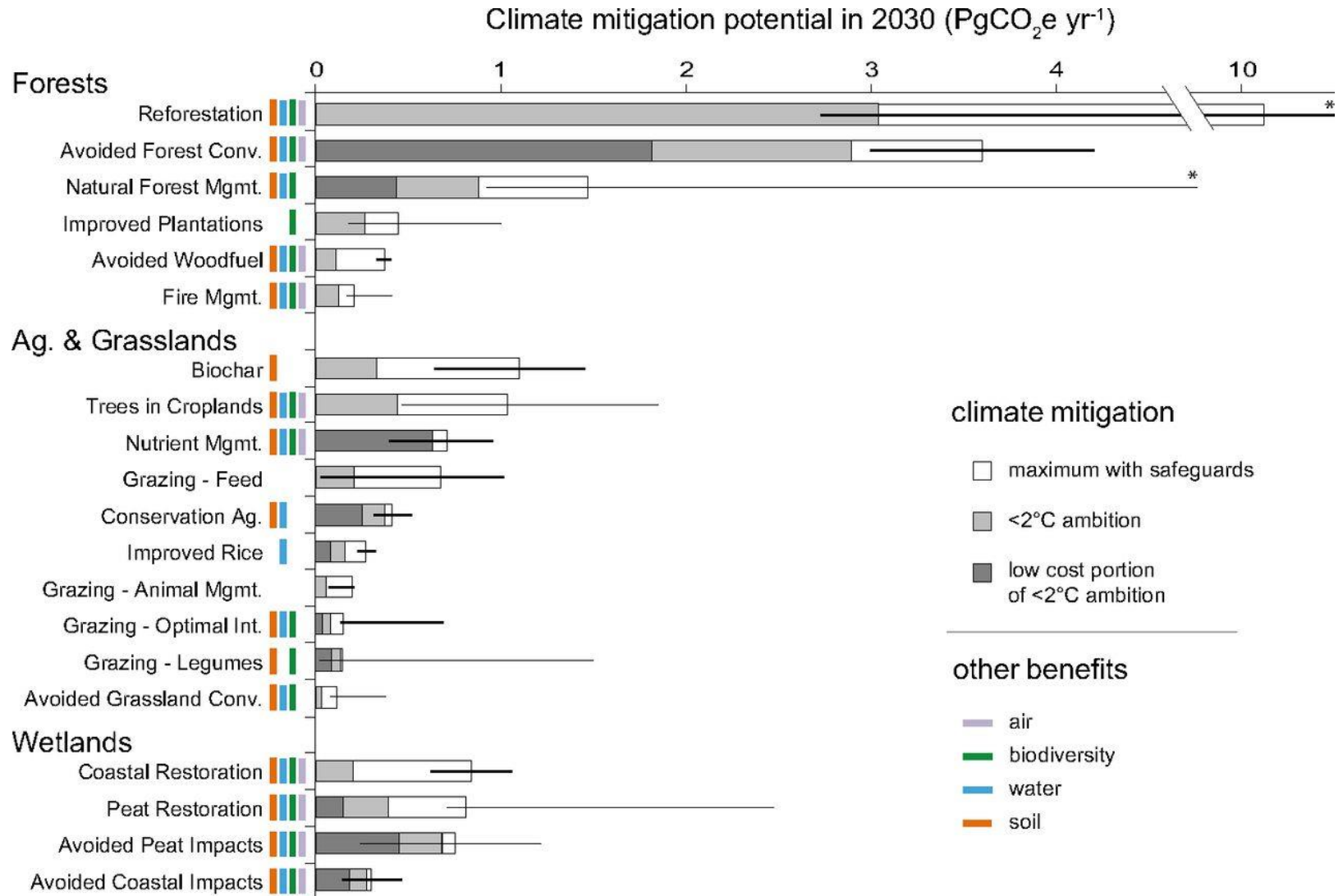


# IUCN Forest Landscape Restoration Approach

- Landscape approach
  - Address multiple objectives
  - Seek sustained delivery on many SDGs
- Restoring "forward" to meet current and future uses:
  - Thinking long-term over large areas
  - Learning and adapting over time
- Restoring functionality and productivity, not "original" forest
- Balancing local needs with national and global priorities
- Using a package of diverse restoration strategies

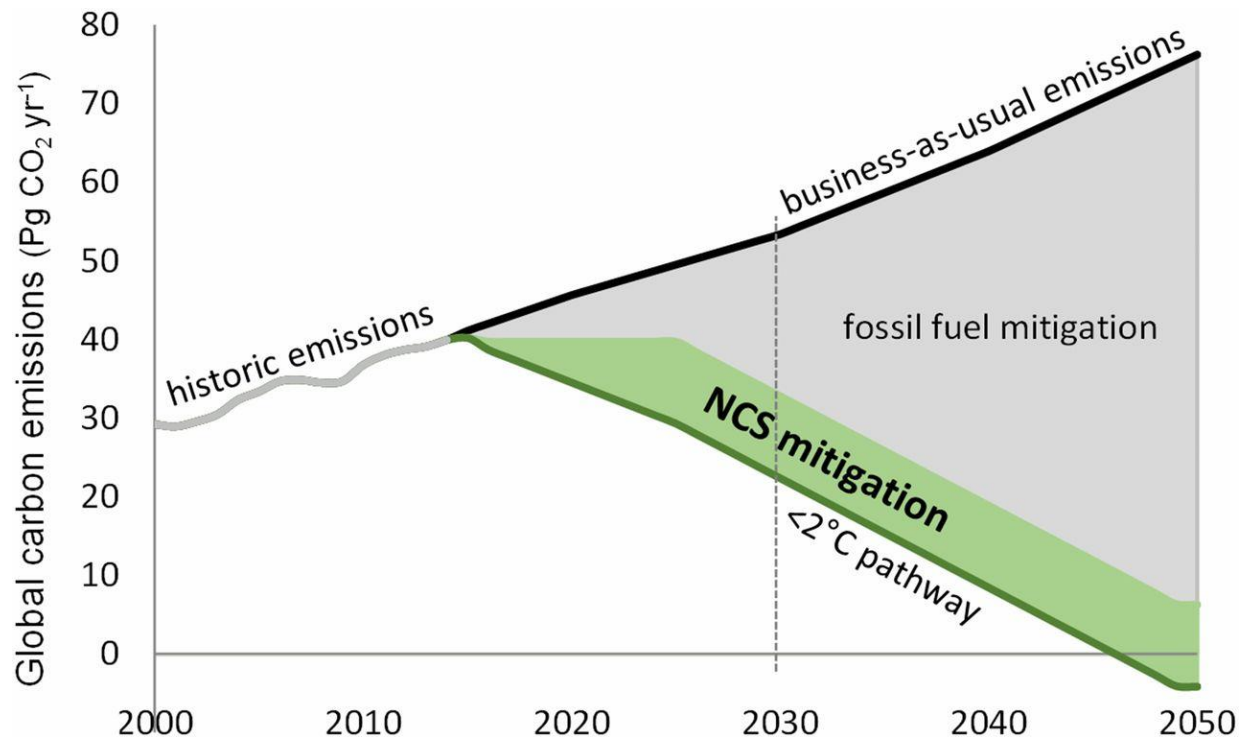


# Climate mitigation potential of 20 natural pathways.



Bronson W. Griscom et al. PNAS 2017;114:11645-11650

# Nature can provide **37%** of the mitigation needed to remain within a **2 degree C pathway**



Bronson W. Griscom et al. PNAS 2017;114:44:11645-11650



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# What works at scale?

- Experience building up
  - Bonn Challenge
  - REDD+
- Climate benefits increasingly well understood, though issues remain with
  - implementation
  - leakage and additionality
  - delivery on non-GHG benefits
- Systematic evidence base needed
  - Robust program evaluations to evaluate cost-effectiveness
  - Help improve future programs
  - Enable adaptive program design
  - Vast program scale enable unique learning



# Ecosystem Service Valuation

Long history (Faustman 1849, soil conservation 1920s-30s, valuation subfield since 1960s; ecosystem services as conceptual framework since 1990s)

Current information on values comes from idiosyncratic studies using different

- valuation endpoints
- ecological and socioeconomic conditions
- valuation methods
- non-representative approaches
- process models, non-observational methods

Measurement, accounting, and management requirements

- Empirical (observational)
- Representative
- Comprehensive and consistent
- Link ecological and economic processes (biophysical & economic)

Need a concerted effort using a common framework

-  UN System of Environmental Economic Accounts (SEEA) and Experimental Ecosystem Account (EEA)

# Thank you



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