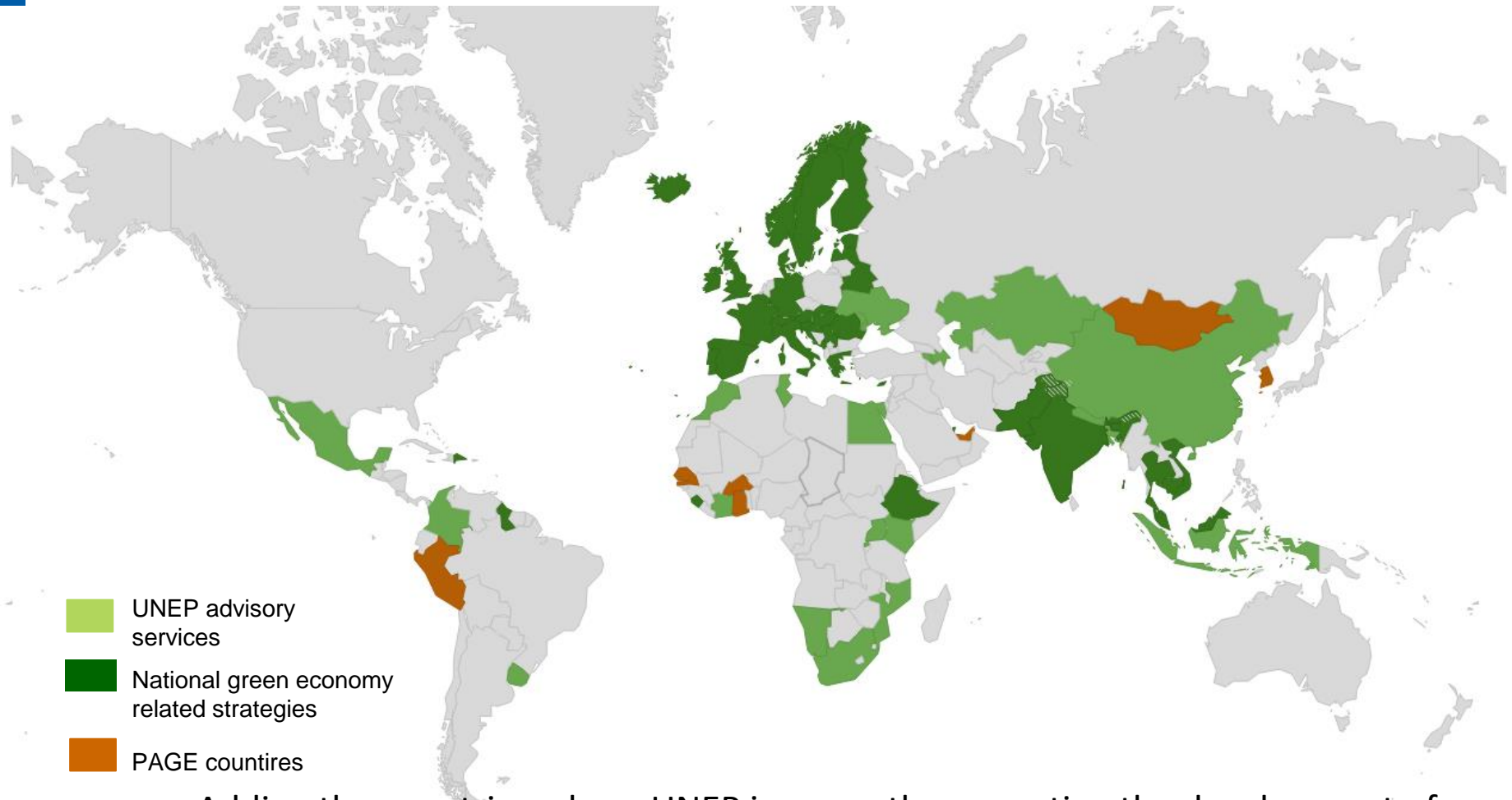


# UNEP's Green Economy Assessment



Academy on the  
**GREEN** *eco* **nom** *y*

# Where is UNEP supporting Green Transformation?



Adding the countries where UNEP is currently supporting the development of green economy along with the PAGE countries totals close to 65 countries around the world



# GE Assessment

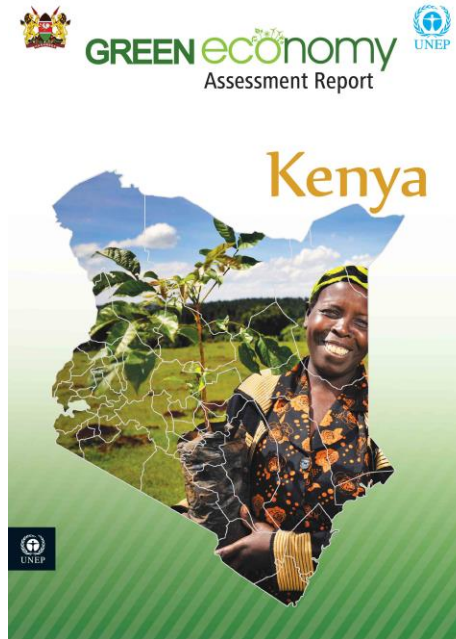
## Model:

- a simplification of reality
- a collection of parts that interact with one another to function as a whole

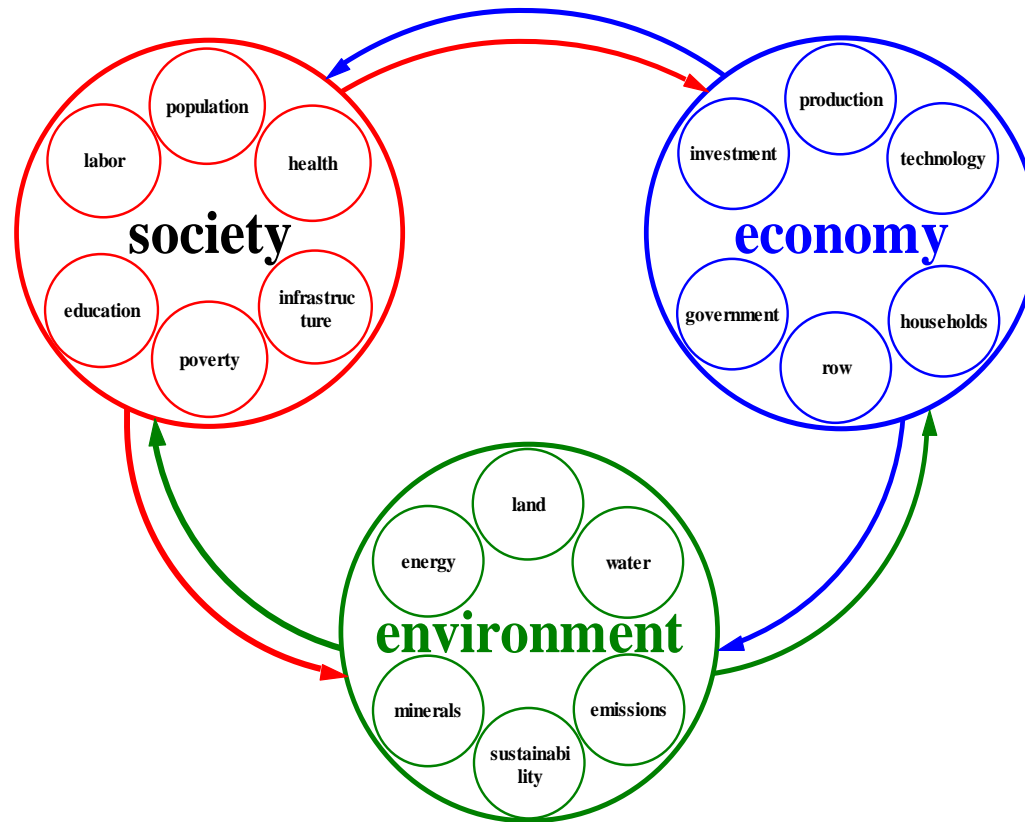
## The Green Economy Model

The modeling exercise should be tailored around a set of specific issues and a geographical context.

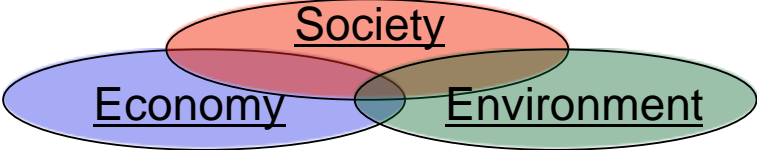
Use of **System Dynamics Modeling (T21)** in order to evaluate social, economic and environmental impacts of green investments.



# Cross-sectoral linkages within T21 model



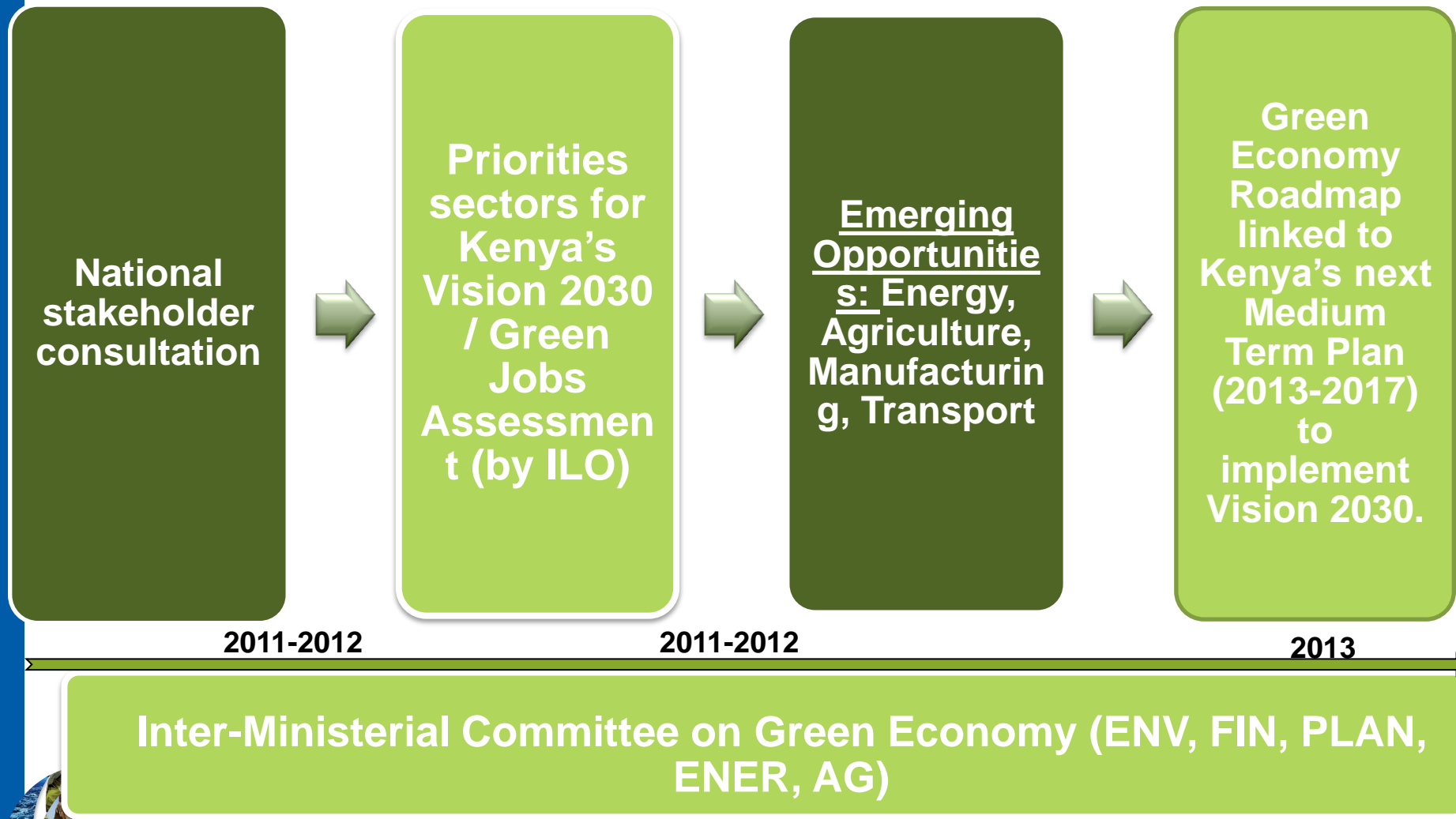
# Three layers of analysis

Policies	Investment (e.g., capital investment in RE and EE for extra capacity and retrofits)	Mandates and targets (e.g., RE and EE standards, deforestation and reforestation targets)	Subsidies (e.g., feed-in tariffs for energy, tax rebates, payments for ecosystem services)
Scenarios	Climate change, energy prices, conflicts, peak oil, world economic growth, etc.		
Structure			
	Social sectors	Economic sectors	Environmental sectors
	Population Education Infrastructure (e.g. transport) Employment Income distribution	Production (GDP) Technology Households accounts Government accounts Investment (public and private) Balance and financing Government debt Balance of payment International trade	Land allocation and use Water demand and supply Energy demand and supply (by sector and energy source) GHG and other emissions (sources and sinks) Footprint

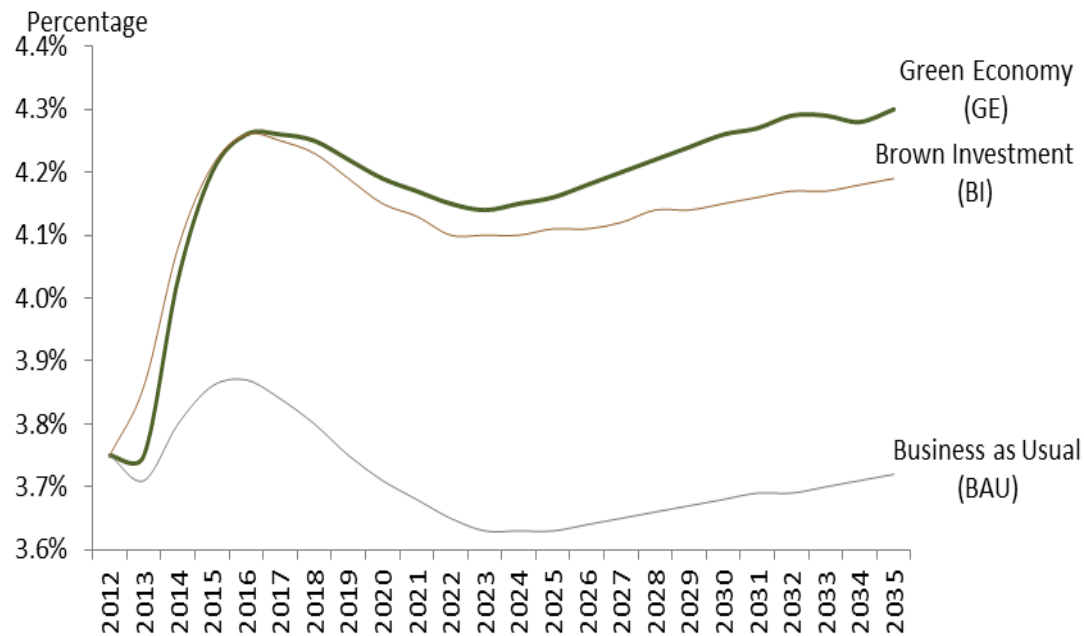
?



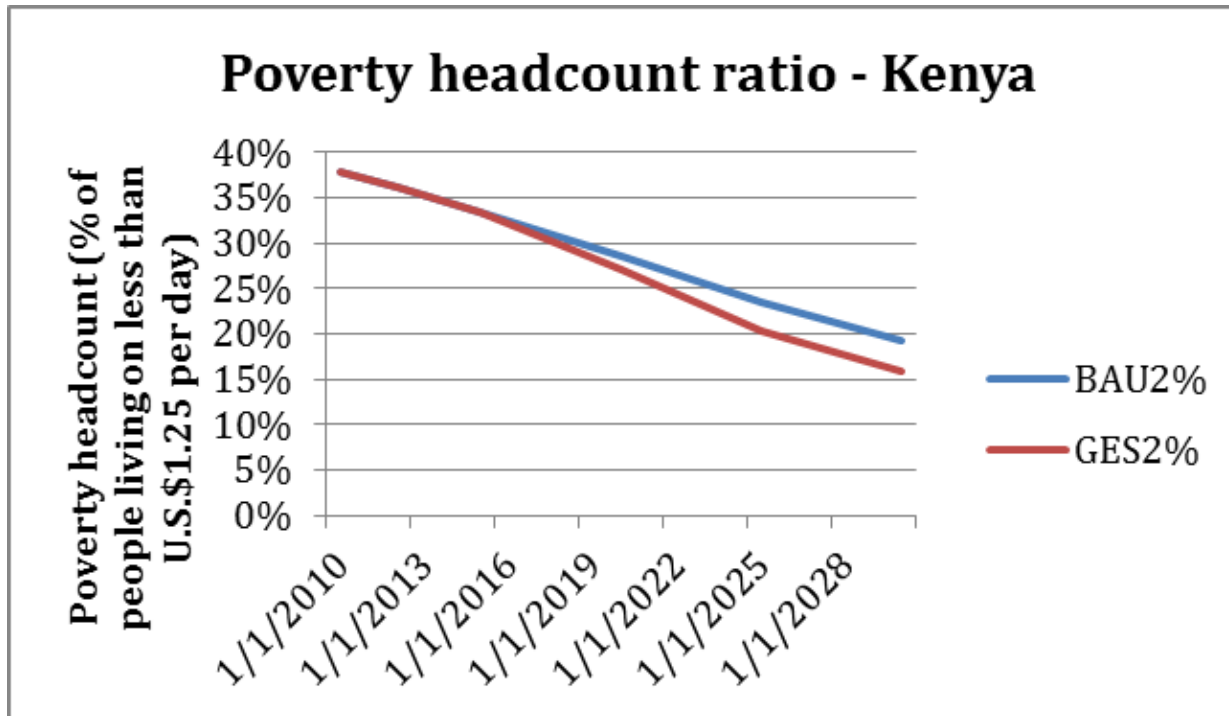
# National level actions and outcomes: Kenya



# Senegal: Real GDP growth 2012-2035

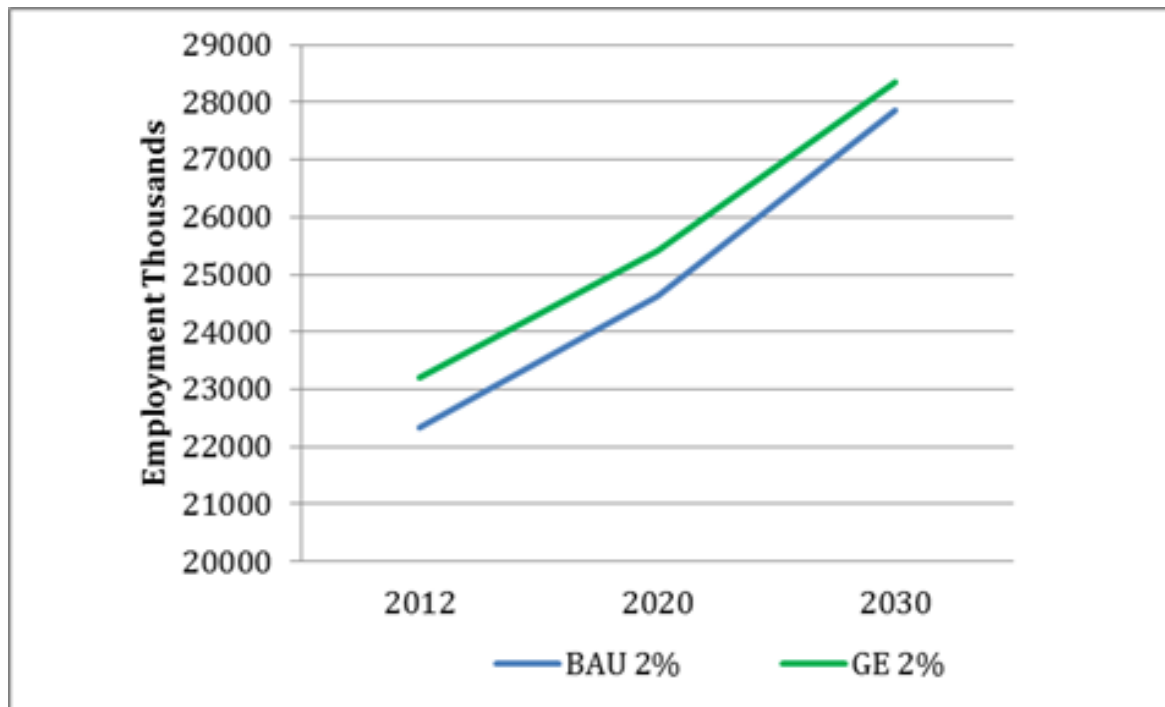


# Kenya: Poverty headcount

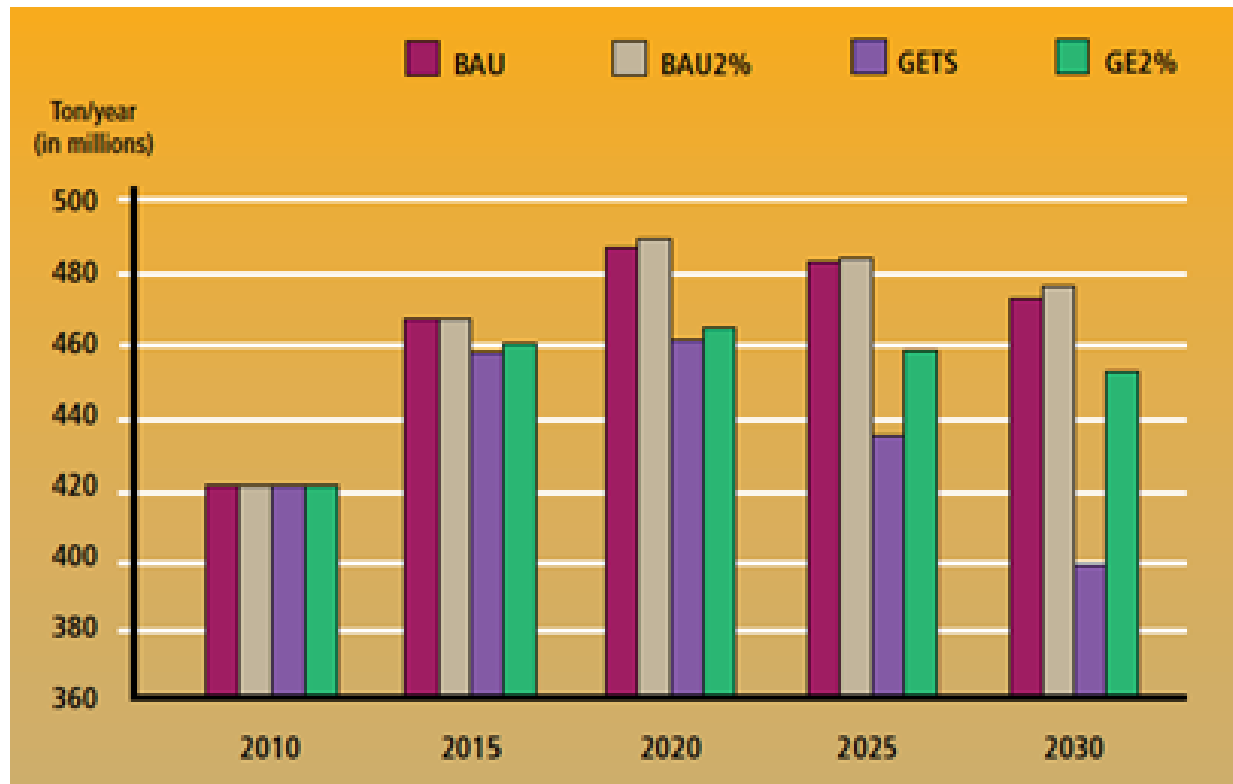




# Job creation in S. Africa



# CO2 emissions in South Africa

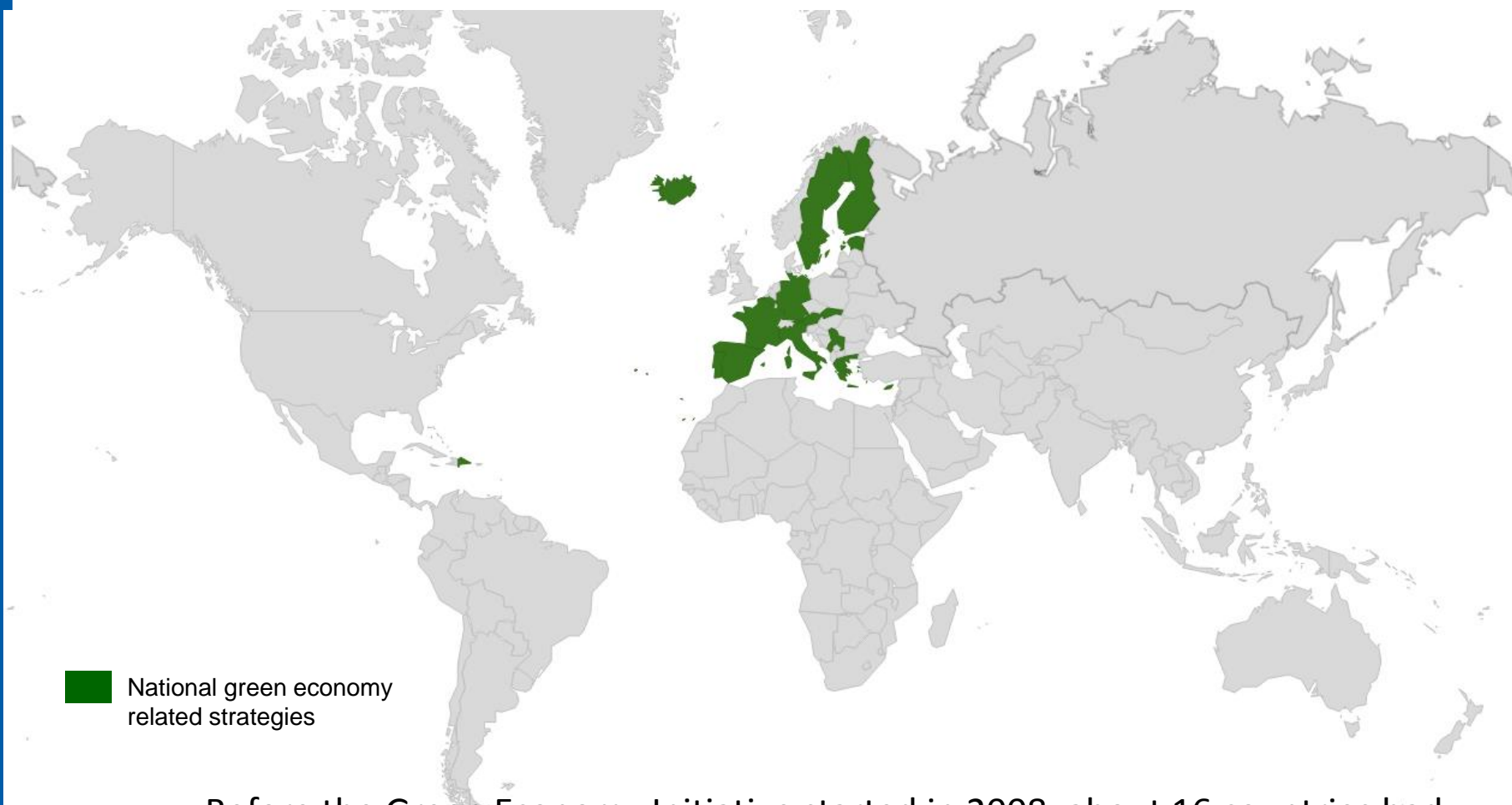


# Ultimate goal of GEA

- Ghana's Shared Growth and Development Agenda II
  - To promote the adoption of the principles of green economy in the national development planning
- Kenya's Medium-Term Plan (2013-2017)
  - Endorse the development of a national green economy strategy
- Senegal's National Strategy for Economic and Social Development (2013-2017)
  - To promote green economy
- Mauritius National Development Plan, the Blueprint 2020
  - Green economy action plan



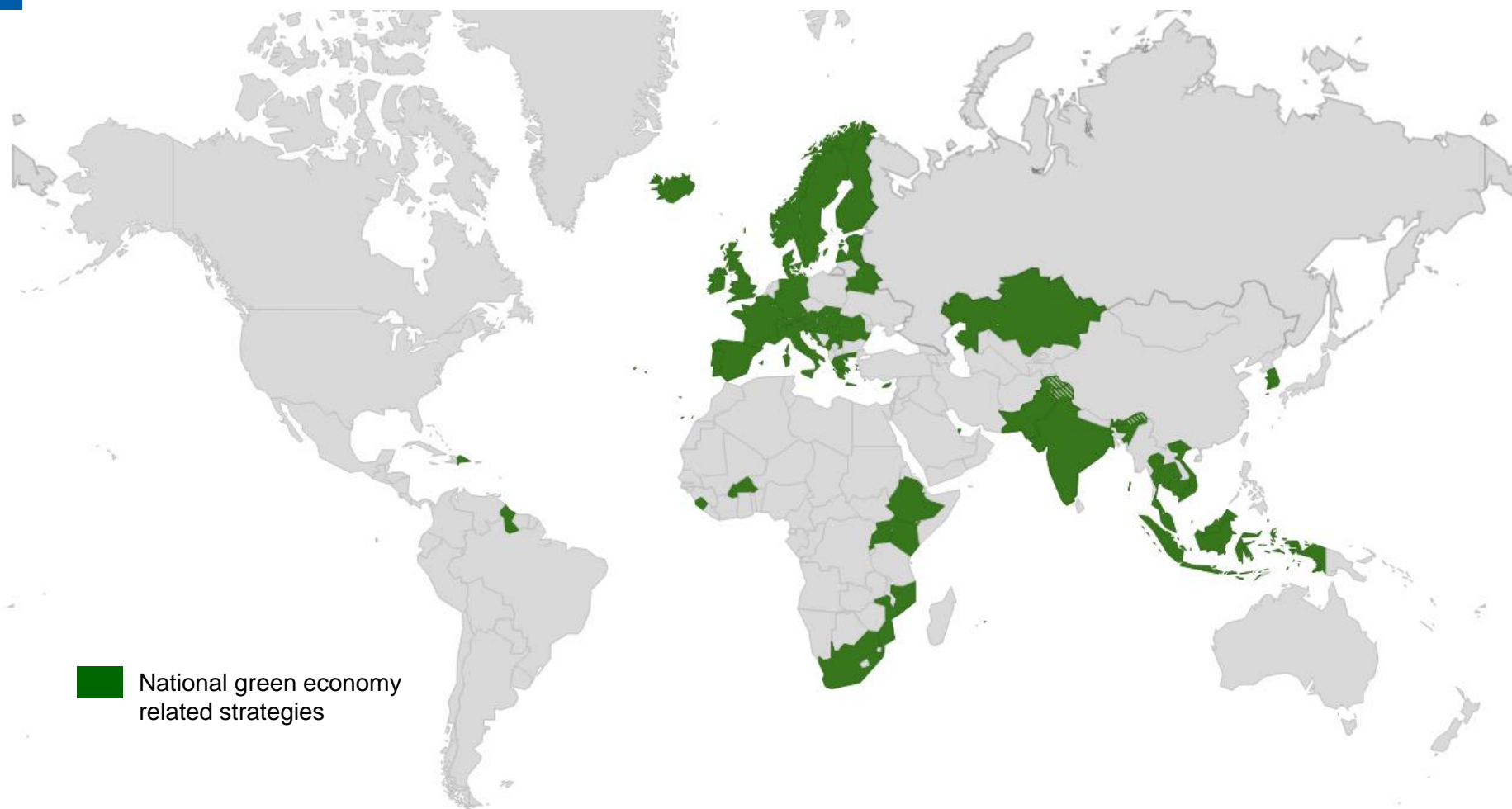
# National Green Economy strategies – 2008



Before the Green Economy Initiative started in 2008, about 16 countries had developed national strategies related to green economy, such as all encompassing sustainable development plans.



# National Green Economy strategies – 2014



By 2014, more than 48 countries had developed their national green economy or sustainable development plans.

