

A Forest Platform for Climate Change Adaptation for Africa

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Tropical Forest Climate Change Adaptation – (TroFCCA)

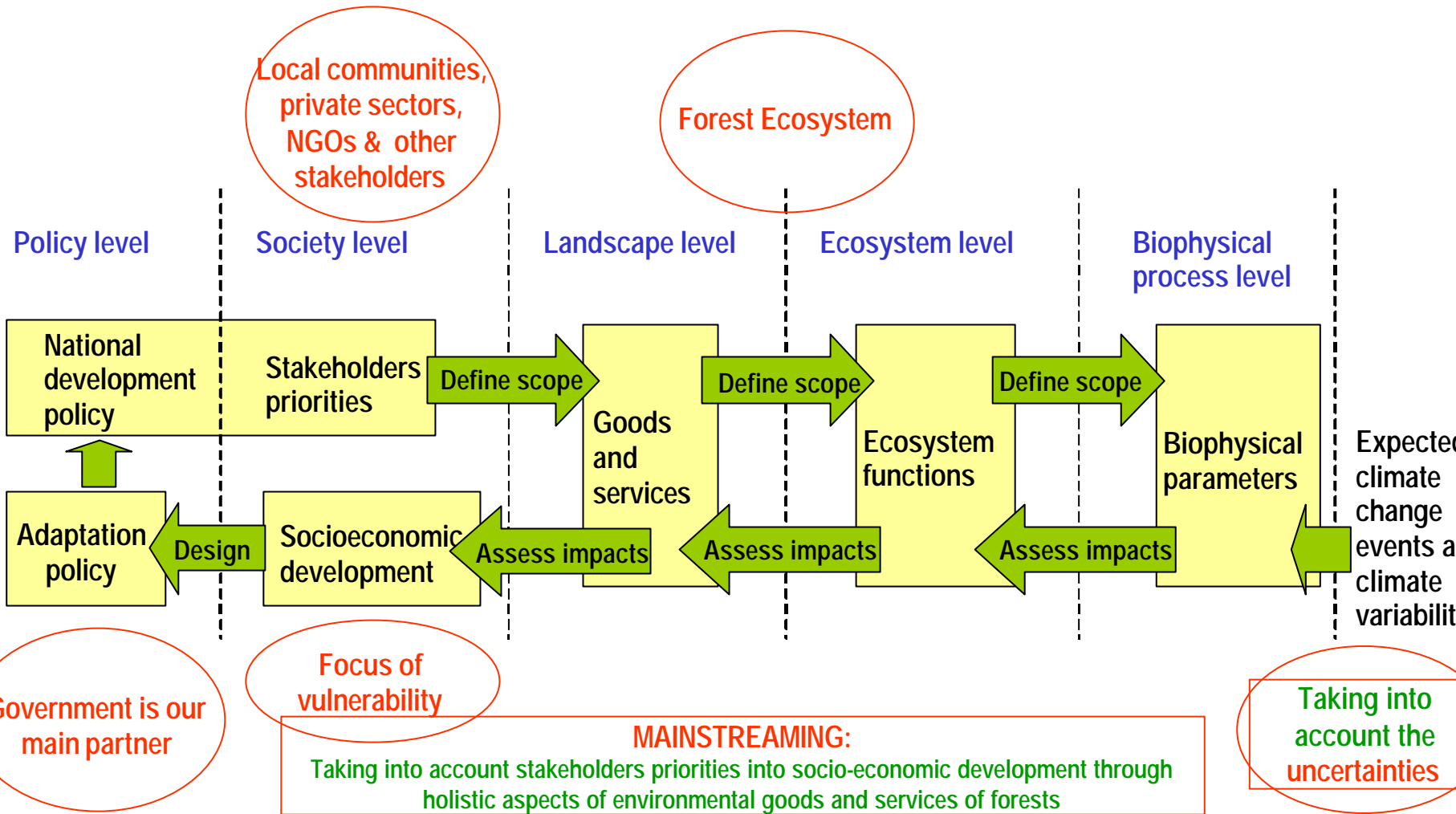
A global initiative of CIFOR & CATIE funded by the
European Union

Implemented in Asia ([Indonesia](#), [Philippines](#)),
Central America ([Honduras](#), [Guatemala](#), [Costa Rica](#))
& West Africa ([Ghana](#), [Burkina Faso](#), [Mali](#))

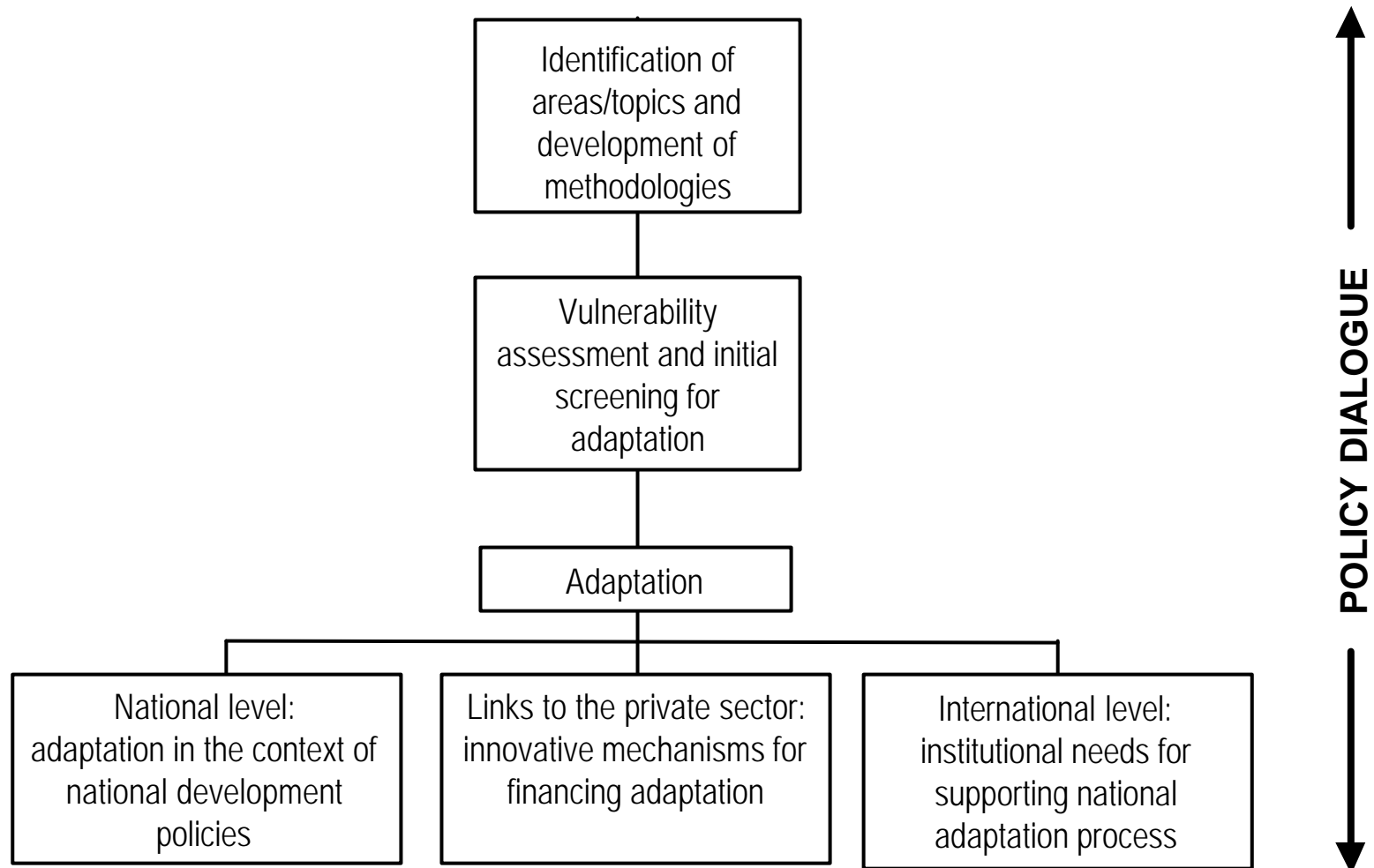
- Contribute to **national & regional adaptation processes** to climate change and to **streamline these efforts into development**
 - Identify **adaptation issues & the vulnerability** of communities & the forest ecosystem;
 - Develop **specific methodologies** to assess vulnerability;
 - Contribute to **national and regional adaptation processes**;
 - Develop **criteria and indicators** for adaptation;
 - Facilitate **a science-policy dialogue** on adaptation.



TroFCCA's general approach



Implementations of TroFCCA



Forest as an ecosystem is more than a sector for lumber

- For mitigation – carbon sink
- For adaptation - goods & ecosystem services
- Holds biodiversity & major river basins
- Food security for traversing drought periods
- Roles in national development & family portfolios
- As a common resource pool in Africa, it is just the right entry point for adaptation



Forest Goods & Services to people

Provisioning of Goods

- food
- fresh water
- fuel wood
- fiber
- Medicinal
- genetic resources

Regulating Services

- climate regulation
 - heat
 - hydrology
- disease regulation
- flood regulation
- detoxification

Cultural Services

- spiritual
- recreational
- aesthetic
- inspirational
- educational
- communal
- symbolic

Supporting Services to other Ecosystems

- Soil formation
- Water cycling
- Nutrient cycling
- Primary production



Forest

- Deforestation will continue at the present rate of -1.7 %
- Negligible progress in prevention of land degradation and desertification
- Continued degradation of watersheds
- More loss of biodiversity
- Decline in environmental benefits and services

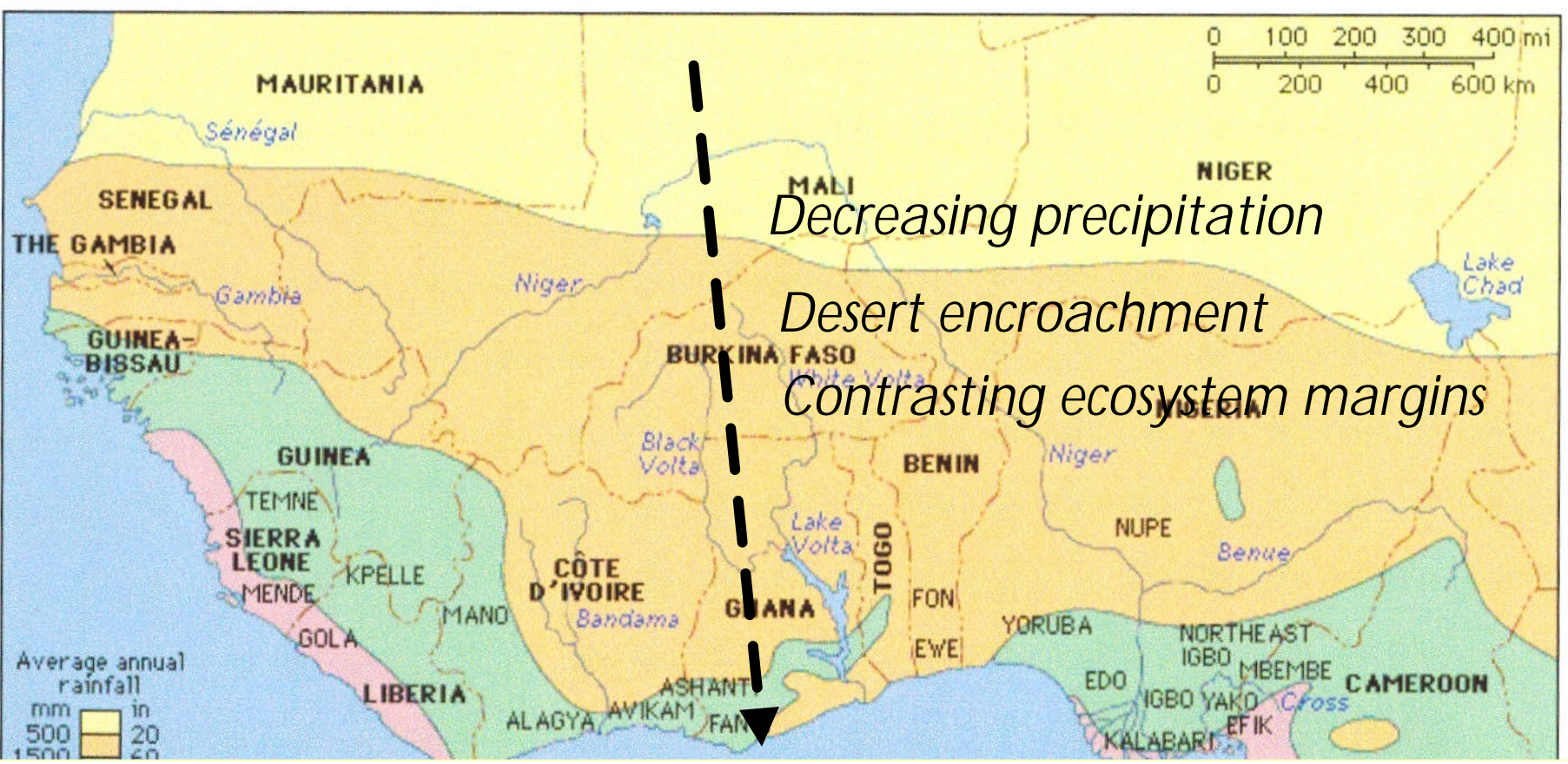


Household

- Population increase ~47 % by 2020
- Decrease in freshwater availability
- Wood fuel will remain the principal source of household energy
- Increase wood fuel consumption by 34% by 2020
- Depletion in NTFP of food and healthcare



West Africa



Highlights....

The four Prioritized Sectors in West Africa

- Water
- Bioenergy
- NTFP
 - Food
 - Healthcare

Prioritization Criteria

- Household importance
- Contribution to national development
- Vulnerability to climate impacts



Accomplishments so far....

- Working with local, national and regional stakeholders as collaborators
- A platform for regional dialogue has been initiated during the kick of meeting
- Graduate training opportunities especially for selected students from the region



On-going activities...

- Elaborating vulnerability assessment methodologies for each of the 4 sectors
- Establishing baselines for projecting climate scenarios across scales
- Understanding local knowledge for integration with scientific adaptation strategies
- Elucidating the mechanism for policy formulation, implementation and enforcement
- Simplifying scientific information for communication with policy



Merci

