

Wealth Accounting and Valuation of Ecosystem Services (WAVES)

Guatemala



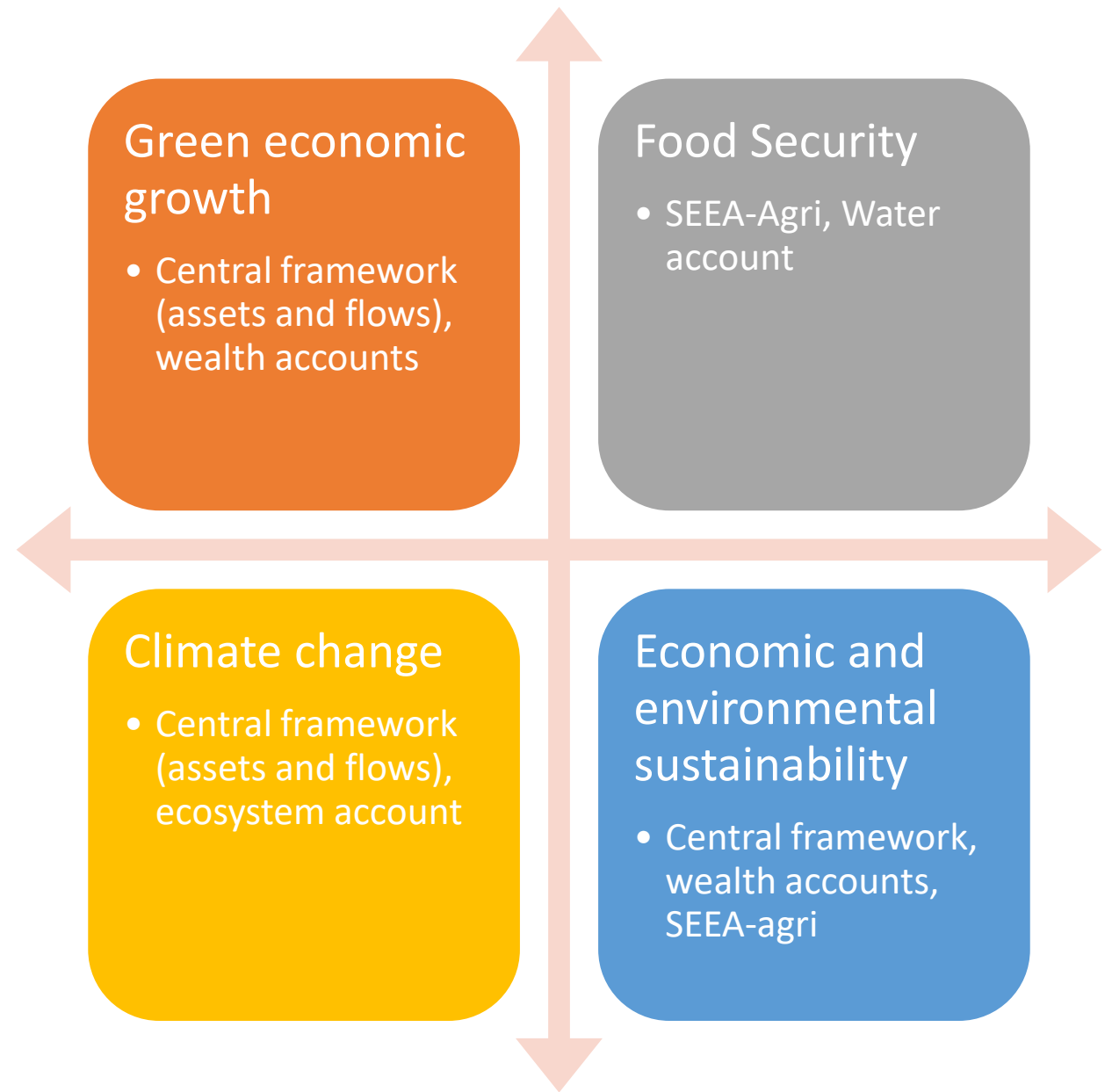
Natural capital
accounting and policy
and planning processes
in Guatemala

Natural capital accounting and National Development Plan K'atun

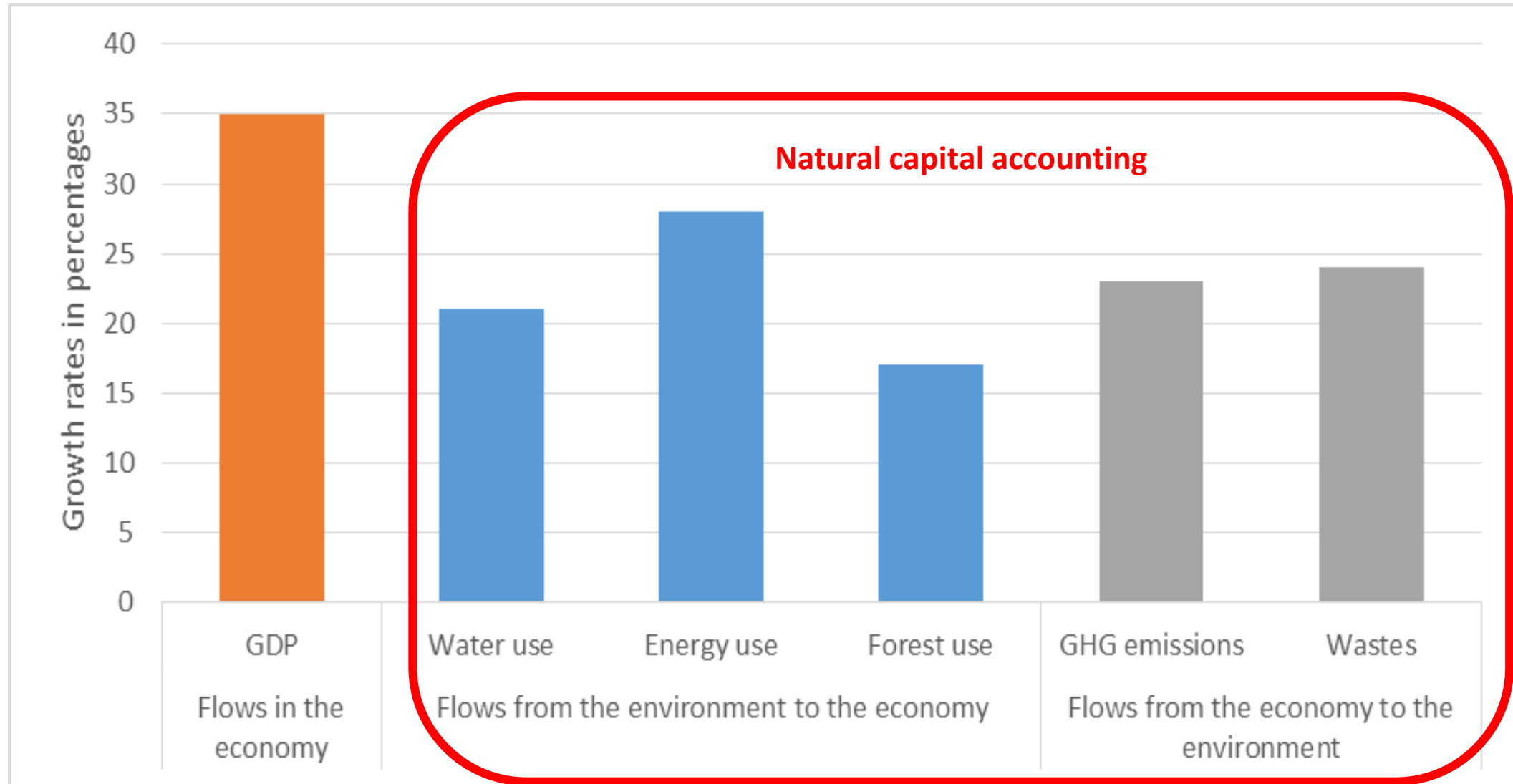
- K'atun National Development Plan is the first long term National Plan for Guatemala
- It sets the vision to be achieved in 2030
- Waves Steering Comitee identified the topics where NCA should inform policy decisión
 - a) **Green economic growth**
 - b) **Food Security**
 - c) **Climate change**
 - d) **Economic and environmental sustainability**



Which accounts?



(a) Green economic growth: A new narrative in Guatemala (2006-2016)

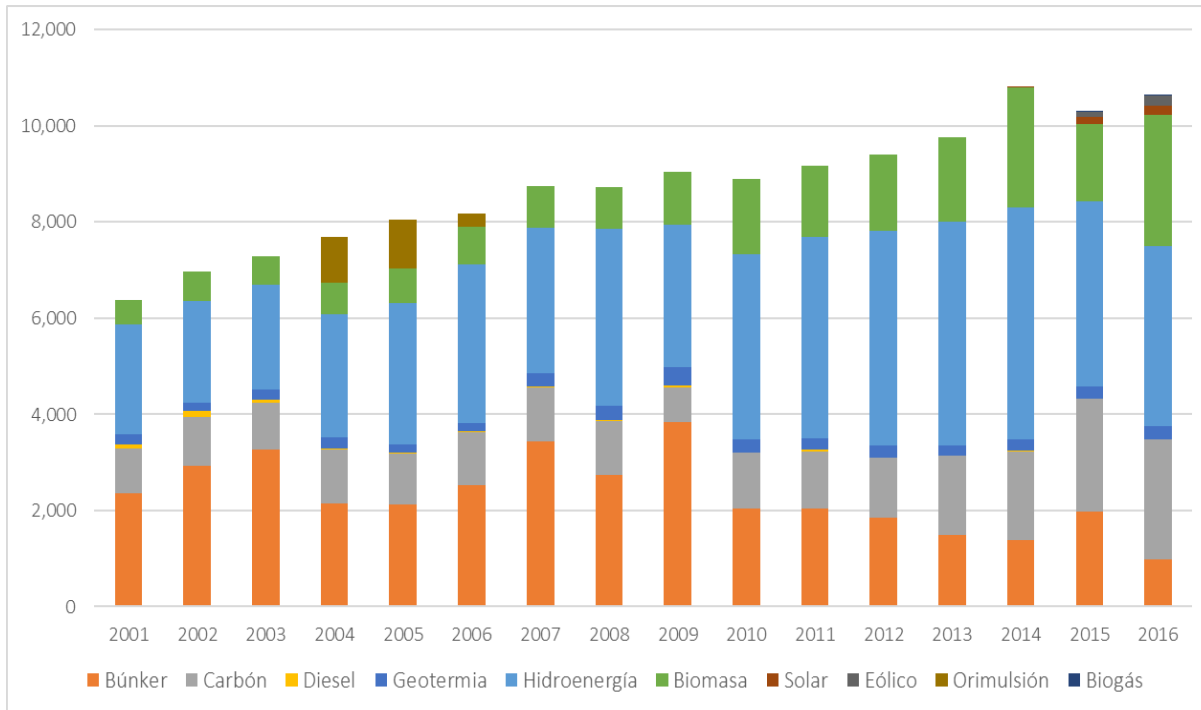


(b) Food security

- Working on an Environmental Agriculture and Food Security Account
 - **98 %** of food production produced by small holders (less than 1 hectare per household)
 - **90%** is rain fed agriculture
 - **65%** of food production is for self consumption
 - From 2005 yield losses account from **40% to 80%** (floods and droughts)

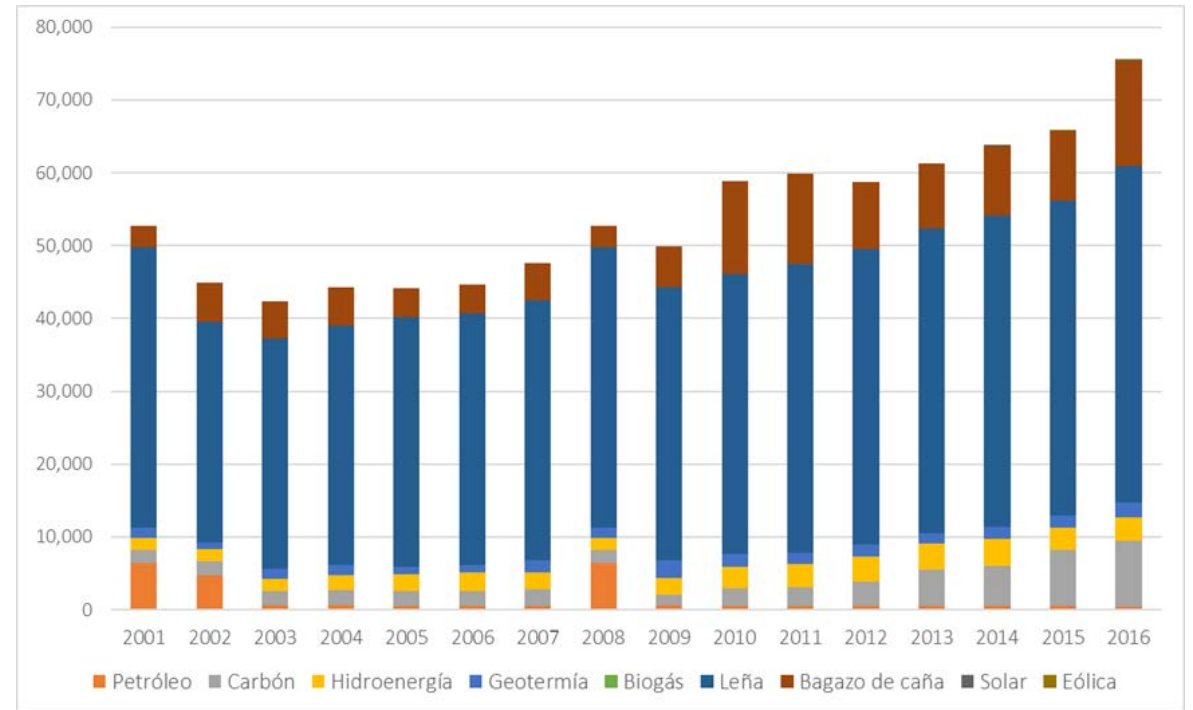
(c) Climate change

Electricity production (primary sources)



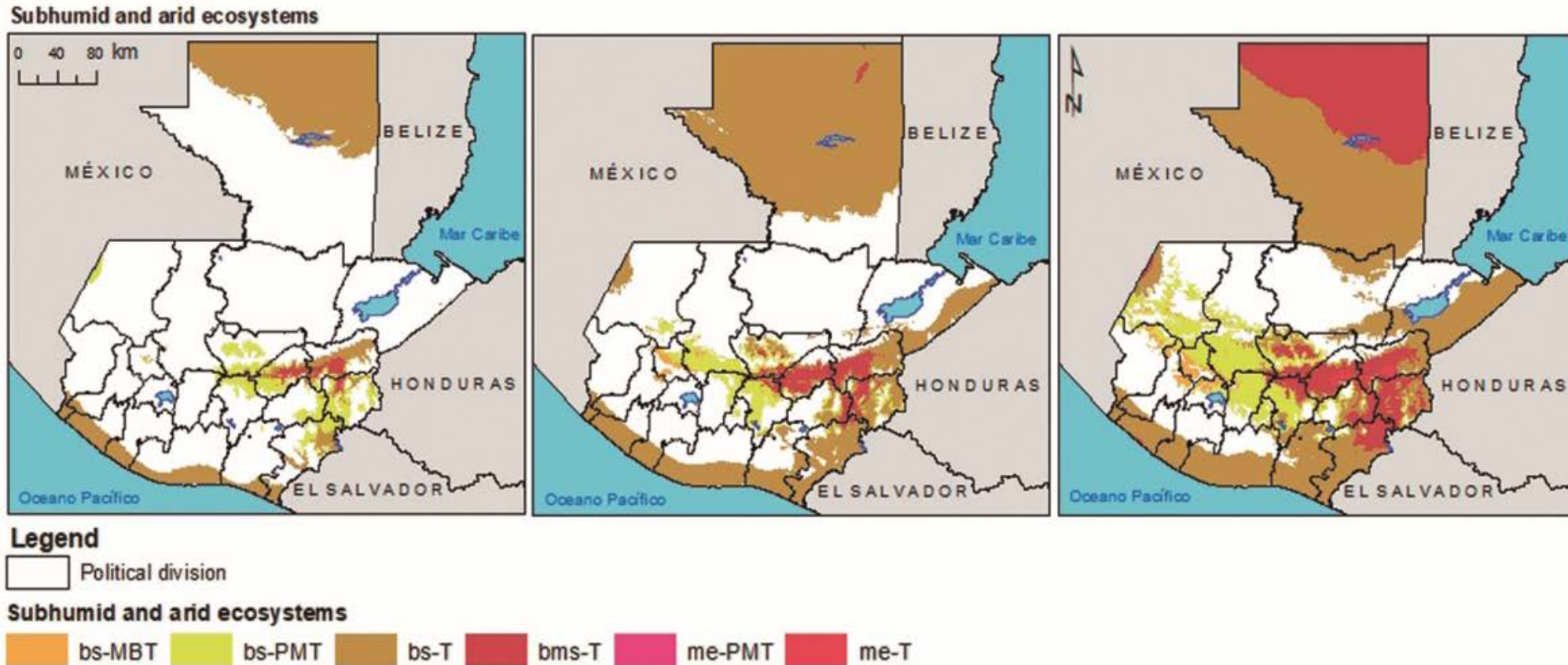
- A more important share of electricity production by renewable energy (hydropower and sugar cane bagasse)

Energy national supply (primary sources)



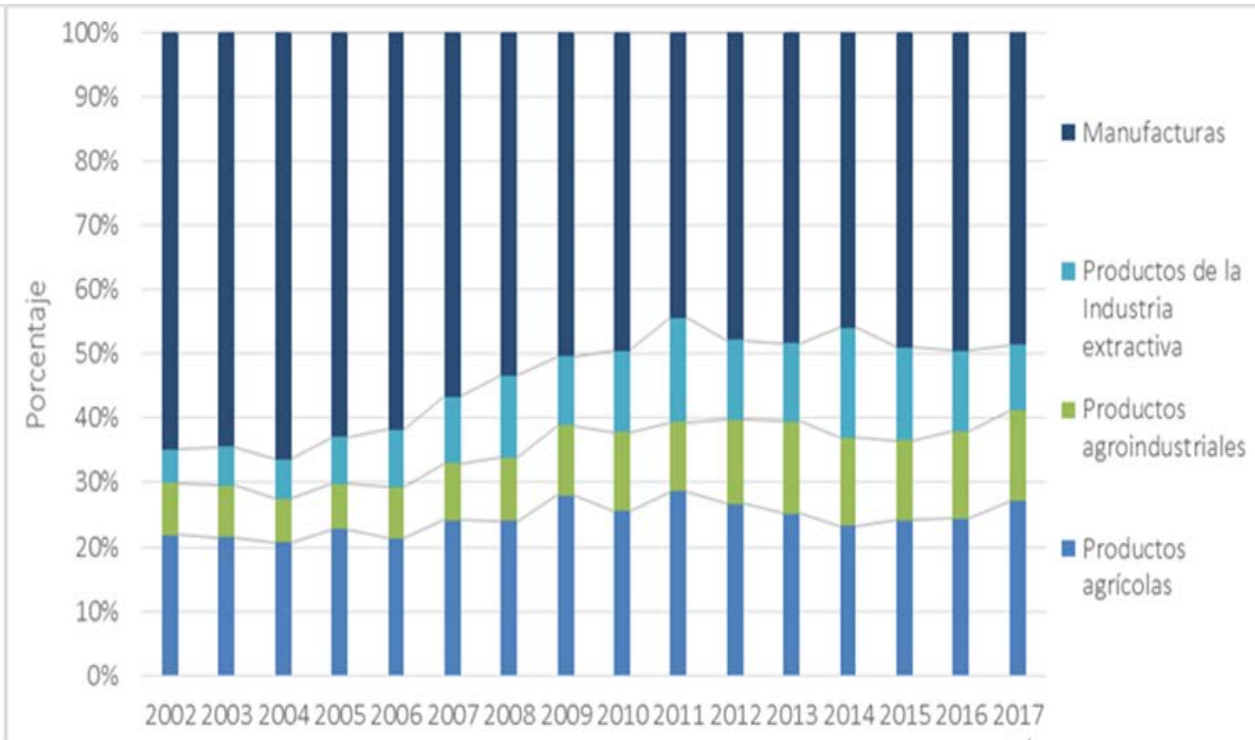
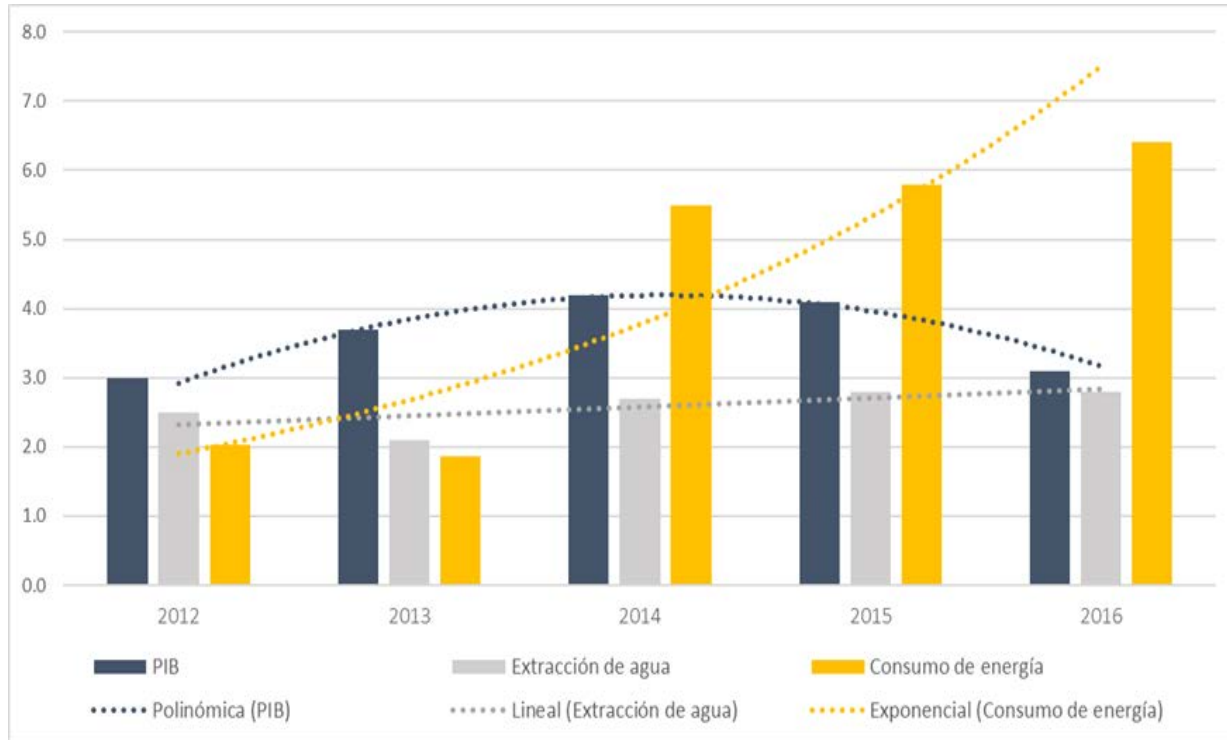
- Firewood continue to be the main source of energy (households and some industries)

(c) Climate change



Distribution of dry ecosystems will grow and will occupied between the 60 and the 70% of the country

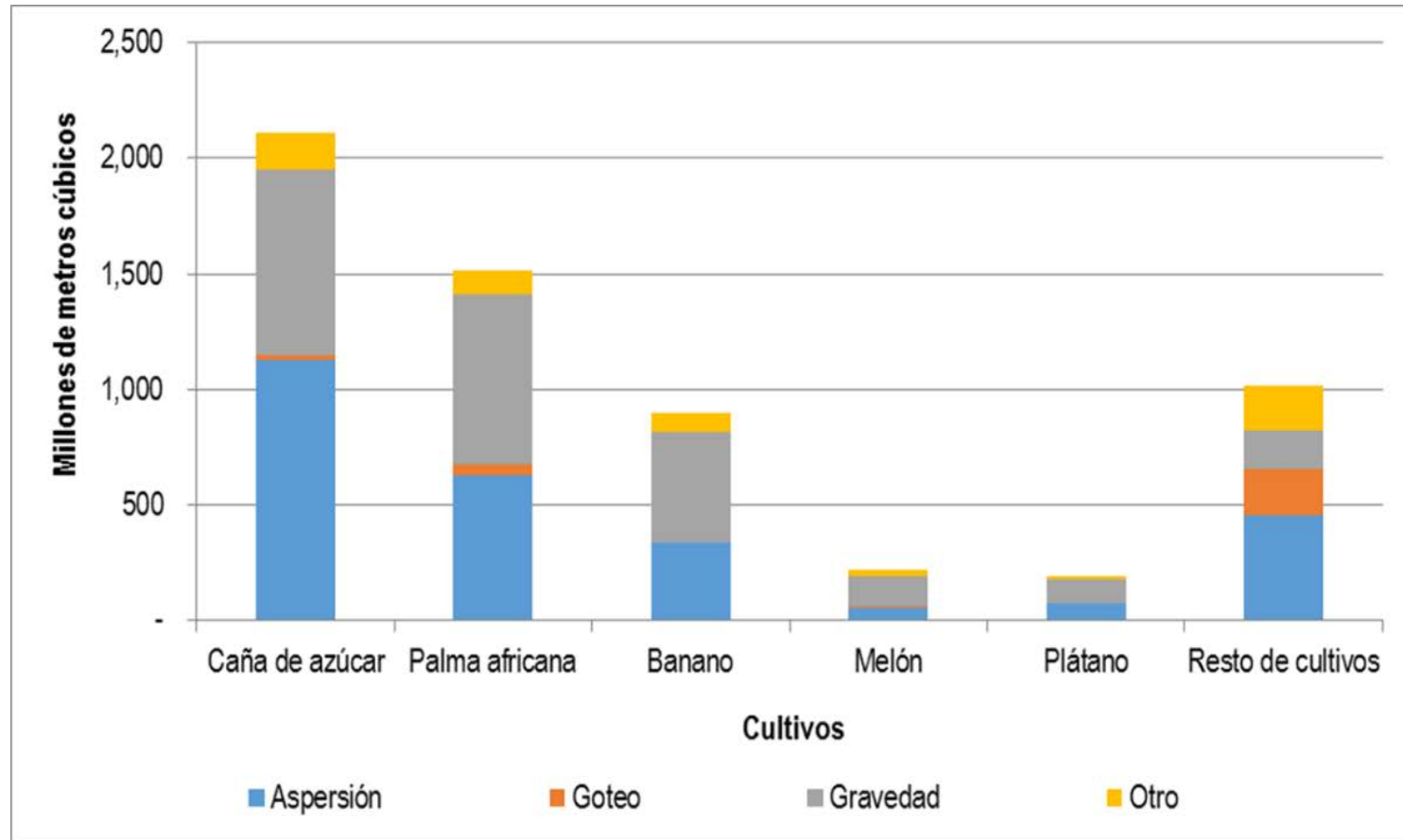
(d) Economic and environmental sustainability



- Different trends for economic and environmental indicators
- Economy depends on intensive resource economic productions

- Share of natural capital goods related has increased

(d) Economic and environmental sustainability



Irrigation water use (2014)

- Significant possibilities to gain in water use efficiency
- 75% of water extracted for irrigation is used by three exported products (sugar, oil palm and banana)

SEEA use and institutionalization

Entity/Dependency	Document	Description/Download
Ministry of Public Finances	Environmental tax Strategy 2018	Establishes strategic lines for the implementation of Incentives e Taxes To reduce and manage Environmental impacts. Http://www.minfin.gob.gt/index.php/acuerdos-ministeriales/2-uncategorised/3502-estrategia-fiscal-verde
National Institute of Statistics	Environmental statistical Compendium	Provides information on the environmental situation in Guatemala Https://www.ine.gob.gt/index.php/estadisticas-continuas/estadisticas-ambientales
Ministry of Environment and Natural resources	Environmental report of the State of Guatemala	Monitoring and evaluation of the situation and environmental trends in Guatemala Http://www.marn.gob.gt/Multimedios/8879.pdf
	Base Document of the environmental pact in Guatemala 2016-2020	Proposes the general guidelines for the achievement of an environmental pact in Guatemala, considering the public sector, private sector and civil society Http://www.marn.gob.gt/Multimedios/2547.pdf
Climate Change Science system	First report on climate change knowledge assessment in Guatemala	Systematizes the knowledge produced in Guatemala on climate change and its probable repercussions for the country. To be published in 2019 Https://icc.org.gt/wp-content/uploads/2018/06/Infor_reporte_ESP_2018-05-28.pdf

SEEA use and institutionalization

- Waves has promoted a shift from a supply driven production of accounts to a demand driven production of SEEA
 - Identification of data needs
 - Identification and proposal of indicators
- Interest of other initiatives to use accounts in political dialogue
 - Private sector
 - Academic observatory

Main Challenges and situations

Technical

- Primary data production
- Updating of SNA
- Institutional staff rotation

Political

- Instability of governmental officials
- Commitment to SEEA production
 - Important progress: Forestry Agency and Finance Ministry
 - Intensively use by the Planning Ministry

Thank you