



# **Thematic Overview**

## **Novel Cassava Value Chains**

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# Definition of Novel

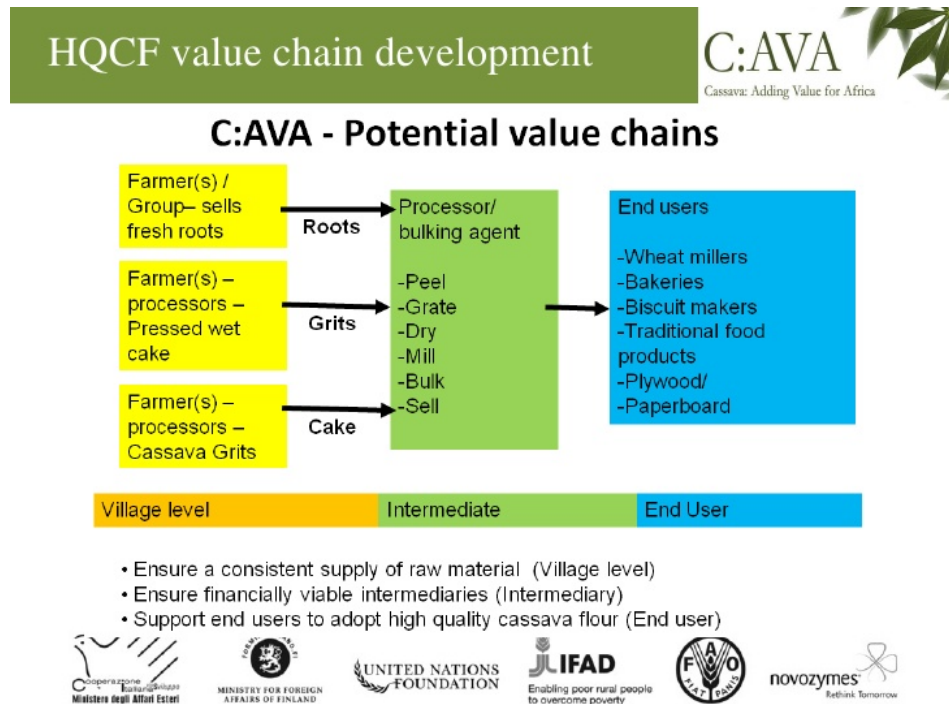
- of a new kind; different from anything seen or known before:
- *Origin of word: 1375-1425; late Middle English (< Middle French, Old French) < Latin novellus*

*I can never exist  
if you do not  
imagine me*



# Definition of value chain

- A value chain is a set of activities that a firm operating in a specific industry performs in order to deliver a valuable product or service for the market.



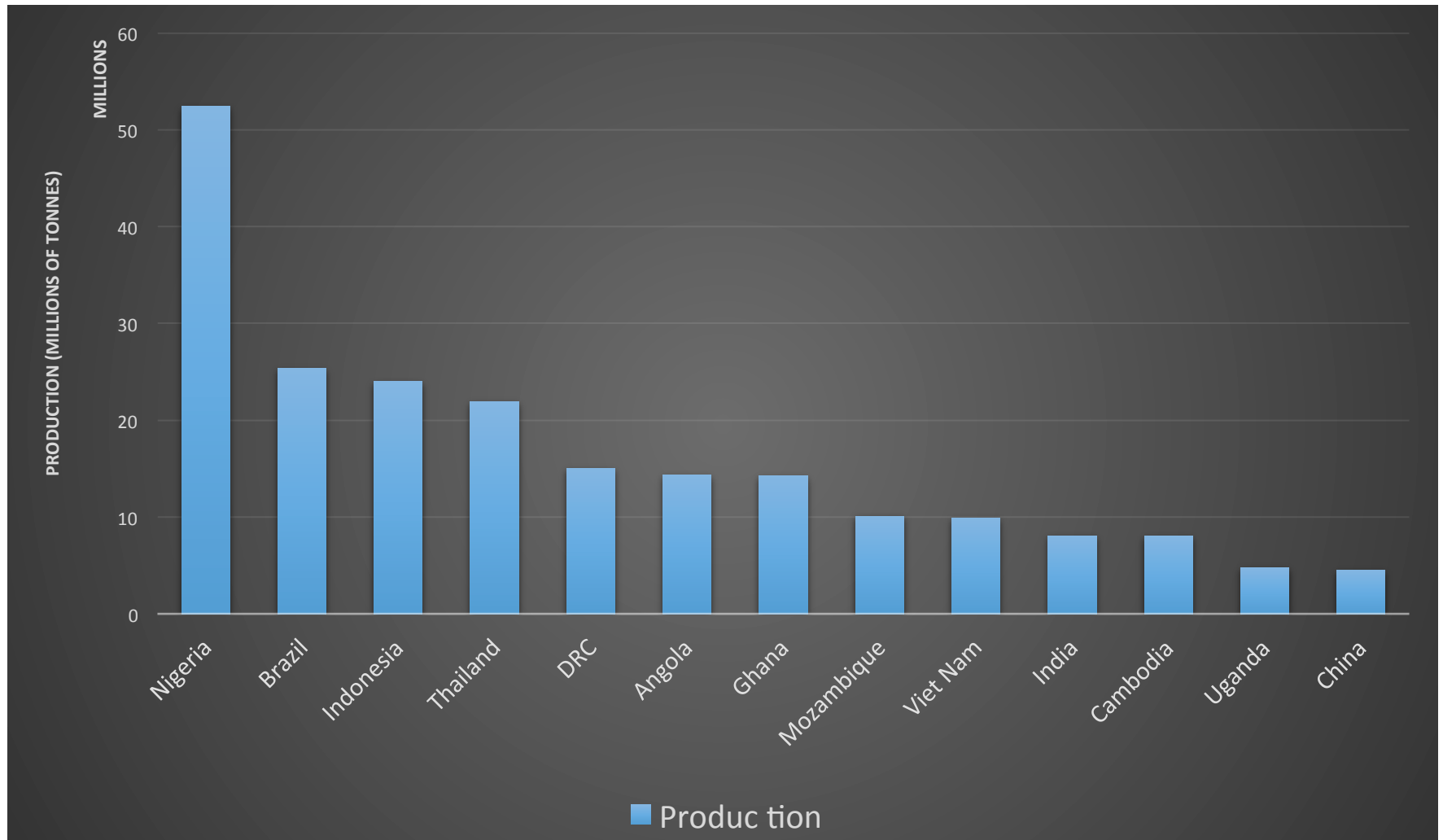
# Uses of cassava in the world

Regions	Type of production and use
Africa	Produced on smallholder farms with family labour using hand tools and without use of external inputs and yields are typically low.
Asia and South Brazil	Production is more mechanised and cassava tends to be a cash mono-crop. Yield is higher in these area (e.g., 20-30mt/ha).
Latin America	Latin America, cassava production largely remains a marginal crop where most is for human consumption but 10% is for animal feed.
Caribbean	Primarily produced by smallholders for food use although some is exported.
Pacific	Limited importance and most is grown for food use.

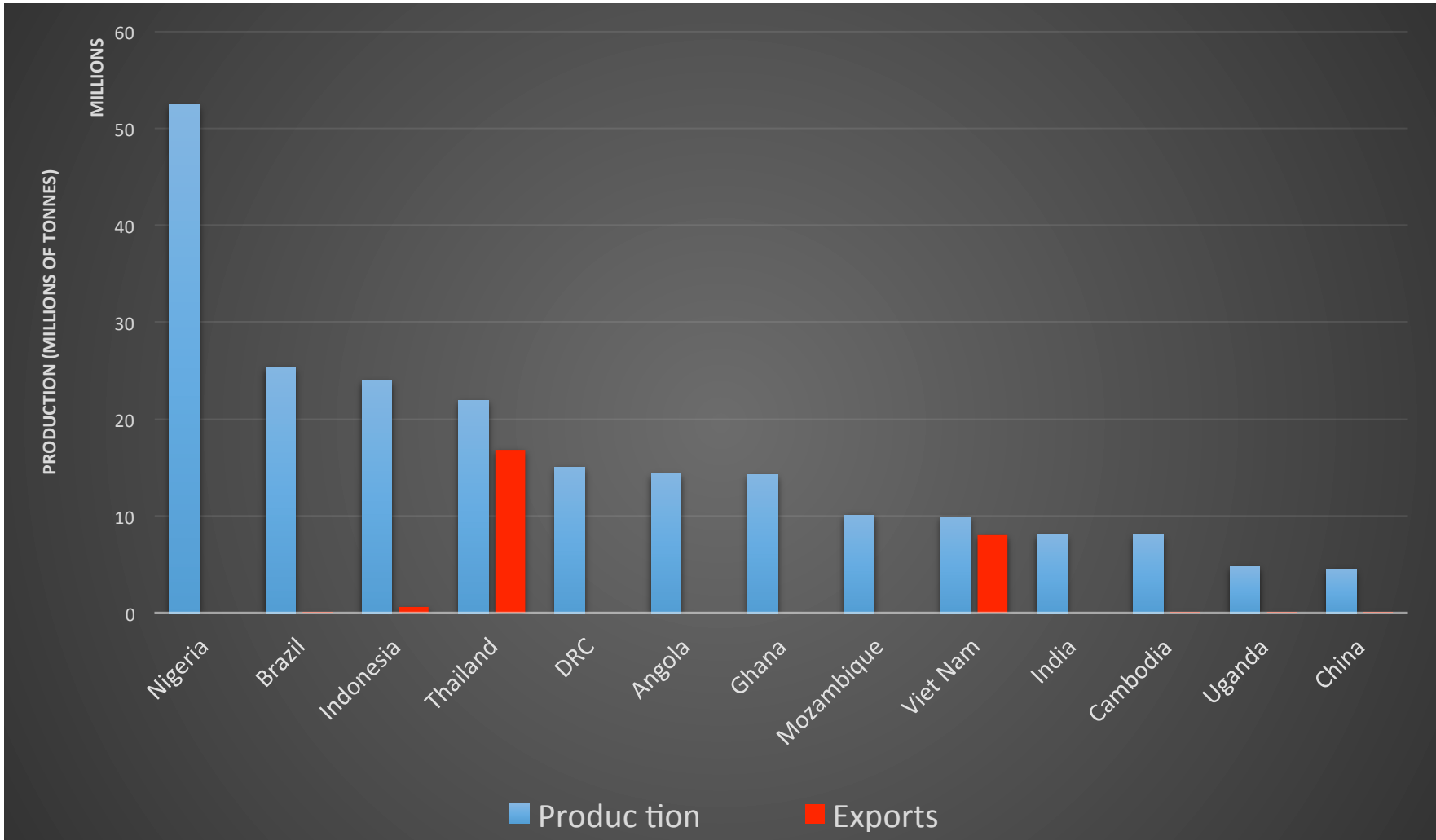
# Changes in production by regions of the world between 1994-2014



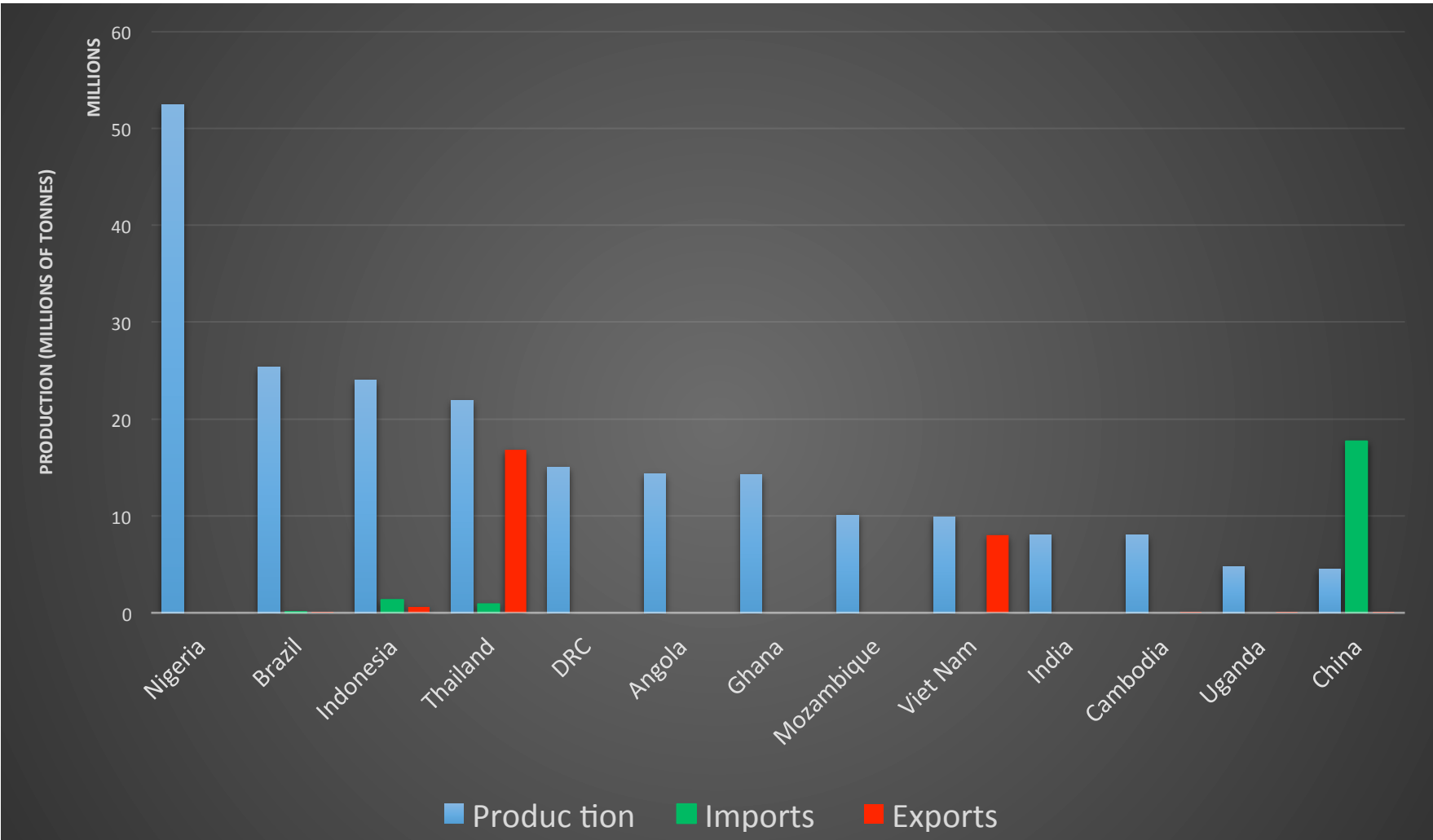
# World production, imports and exports of cassava (FAO)



# World production, imports and exports of cassava

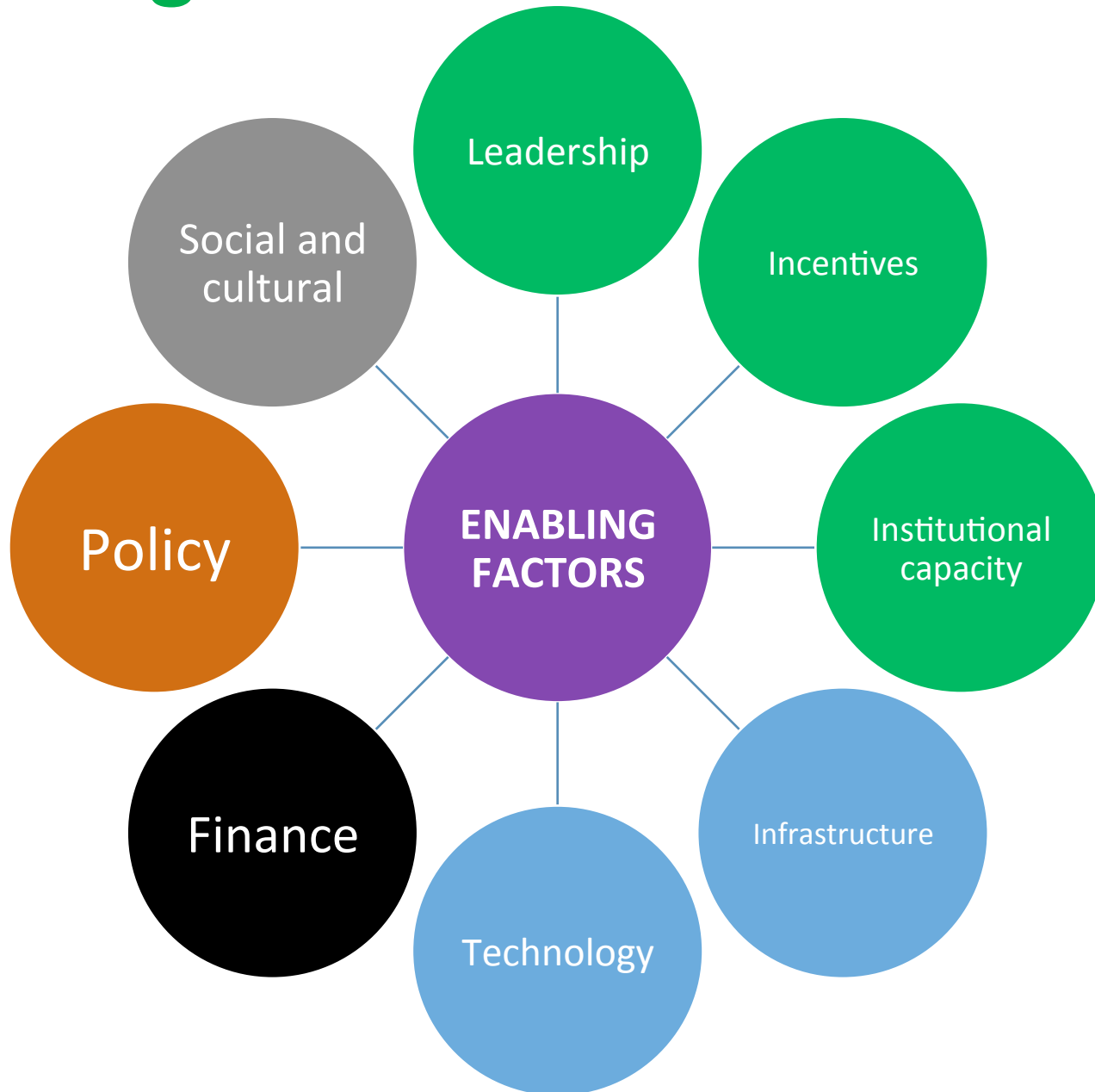


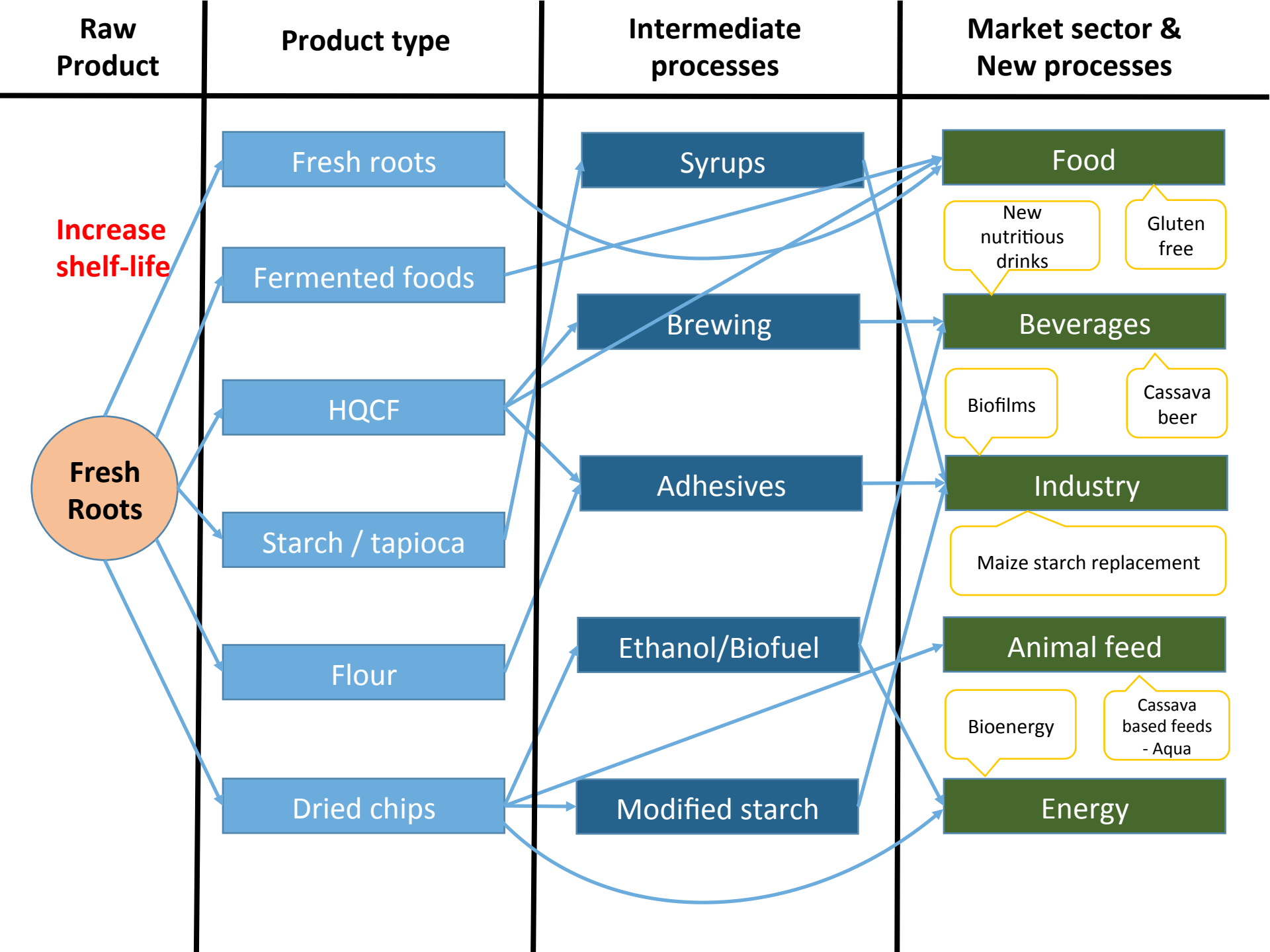
# World production, imports and exports of cassava



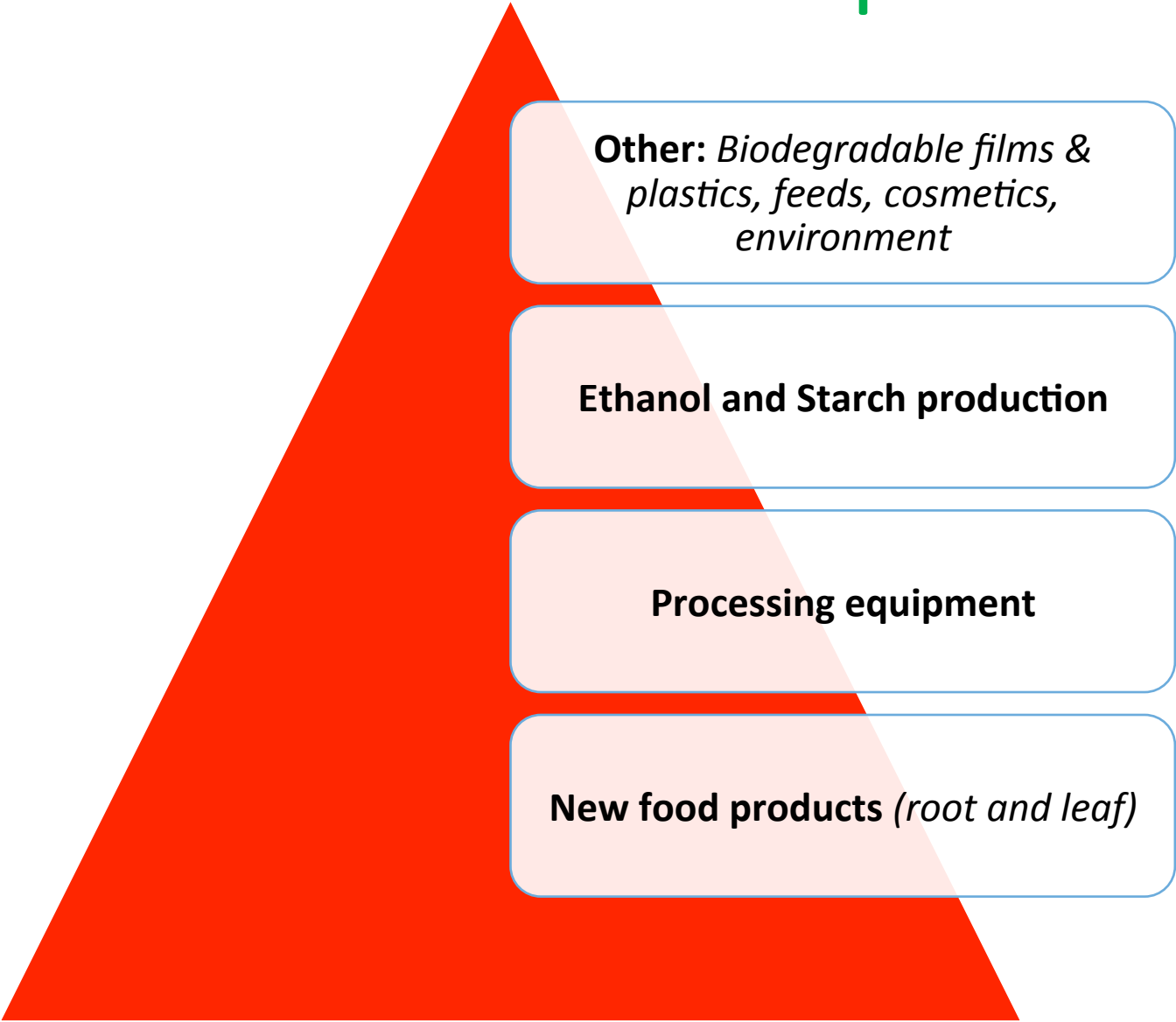


# Making value chains effective





# Innovations from recent patents



**Other:** *Biodegradable films & plastics, feeds, cosmetics, environment*

**Ethanol and Starch production**

**Processing equipment**

**New food products** (*root and leaf*)

# Things to think about during this session

- Critical link between efficient processing and development of cassava varieties.
- Traits such as productivity and resistance to disease always important. Starch content and quality, should not be overlooked.
- Individual technical and novel advances only successful in the context of an efficient cassava supply system. Suggest locally produced and owned processing equipment fabrication.
- Patents indicate many new advances and approaches. No recent ones from Africa. We need more please.
- Can more could be done to systematically address the enabling factors that make a sector successful? Cassava platforms in Thailand and China demonstrate this approach is possible