Economic Diversification in context of response measures

Ad Hoc Expert Group Meeting on Implementing The Paris Agreement: Response Measures and Trade
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Outline

- Concept of economic diversification
- Economic diversification and economic growth
- Economic diversification strategies
- Modelling tools for economic diversification
- Assessment tools for economic diversification
- Action chart for economic diversification
- Possible future work
The economy of a country is vulnerable to the adverse impact of response measures if it is dependent upon the export of a narrow range of products and those products are affected by response measures taken to combat climate change.

Economic Diversification goes beyond addressing impact of climate mitigation policies (response measures)

Achieves other objectives of sustainable development

Lowers vulnerability to impacts of climate change

The economic diversification policies of one country impacts the neighboring countries
Economic diversification and sustainable development

- Building resilience against fluctuation in extra regional economic activity
- Reducing vulnerability to income loss due to volatility of product price on the international market
- Creating more job opportunities
- Alleviating poverty
- Improve economic tolerance
Diversification in respect of economic growth

Developing countries with low income levels have a wider scope of diversification than economies with higher income levels.
Implementing economic diversification strategies

- Government intervention is necessary to make policies to promote export growth and diversification.
- Get the fundamentals right i.e. to maintain macroeconomic stability, invest in infrastructure, improve the business climate, encourage private investment and invest in people, especially in education at all levels
- Soft and hard industrial policies need to be implemented appropriately;
Strategies for economic diversification

Export diversification plan:

- A systematic plan with a mix of extensive and intensive margins is required.

- An extensive margin with a correction of sustainable products at a later stage helps, as diversification is driven more by the extensive margin but export growth is driven more by the intensive margin;
Modelling tools for planning economic diversification

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<th>Input–output matrix</th>
<th>Economic diversification is viewed as driven by simultaneous changes in production, consumption and trade patterns</th>
<th>Diversification may be expedited by forces of unbalanced growth, especially the faster growth of sectors with high income elasticity of demand</th>
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<td>Input–output model: a unified framework</td>
<td>Compares the growth and stability impacts of diversification strategies involving changes in the level and mix of exogenous final demands</td>
<td>Determines the growth and stability impacts of different diversification strategies, resulting from changes in input–output relationships in the input–output matrix</td>
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- Modelling tools that focus on specific industries are more useful.
- E.g. I-O model can **model impact of Import substitution diversification strategy** on the economy as a whole or for specific sectors.
- Models can also derive the **sectoral distribution of growth and stability impacts** which allows policymakers to rank different policies on the basis of their growth and stability objectives and preferences with respect to growth and stability trade-offs. However, these methods are limited by availability of time series data.
There are a wide range of analytical tools for measuring economic diversity and empirical studies to assess accuracy of these tools.

There is lack of empirical studies to assess impact of mitigation policies on economic diversification and vice versa.
Where to start Diversification

• Product Space Theory
  a) branch out to new products that are not too distant in product space
  b) Distance is assessed by means of observed patterns of relationships.
  c) E.g. sanitation equipment can export refrigeration equipment,
  d) the stronger that empirical relationship the closer the goods are to each other in product space
What can be done in future

- How trade policies can facilitate economic diversification?
- Additional technical materials are needed to assist developing country Parties in their economic diversification initiatives.
- Building on the past and existing experiences is important in order to find the most suitable way. **Sector-specific case studies** for vulnerable sectors and industries, such as the agriculture sector, the financial, manufacturing and energy-intensive industries, the oil and gas industries and the tourism sector; country-specific case studies, especially for the economies vulnerable to response measures, can be conducted to serve this purpose.
- Detailed **guidelines for economic diversification initiatives** could help countries in their policy planning and implementing.
- A blueprint of the most needed types of institutional and capacity improvement in national contexts, focusing on the identified countries and sectors, could provide countries targeted reference.
Thank you!

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