



Energy research Centre of the Netherlands

Technology transfer in low carbon development planning

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Low-Carbon Development Strategies - introduction

What is low-carbon development?

- Integrated approach to climate and development planning
- Lower greenhouse gas emissions than otherwise
- Government strategies that cover mitigation and development

What is the purpose?

- Long term vision on climate and development
- Policy framework across sectors
- Increase awareness with stakeholders
- Identify favourable low-carbon investment climate
- Etc...

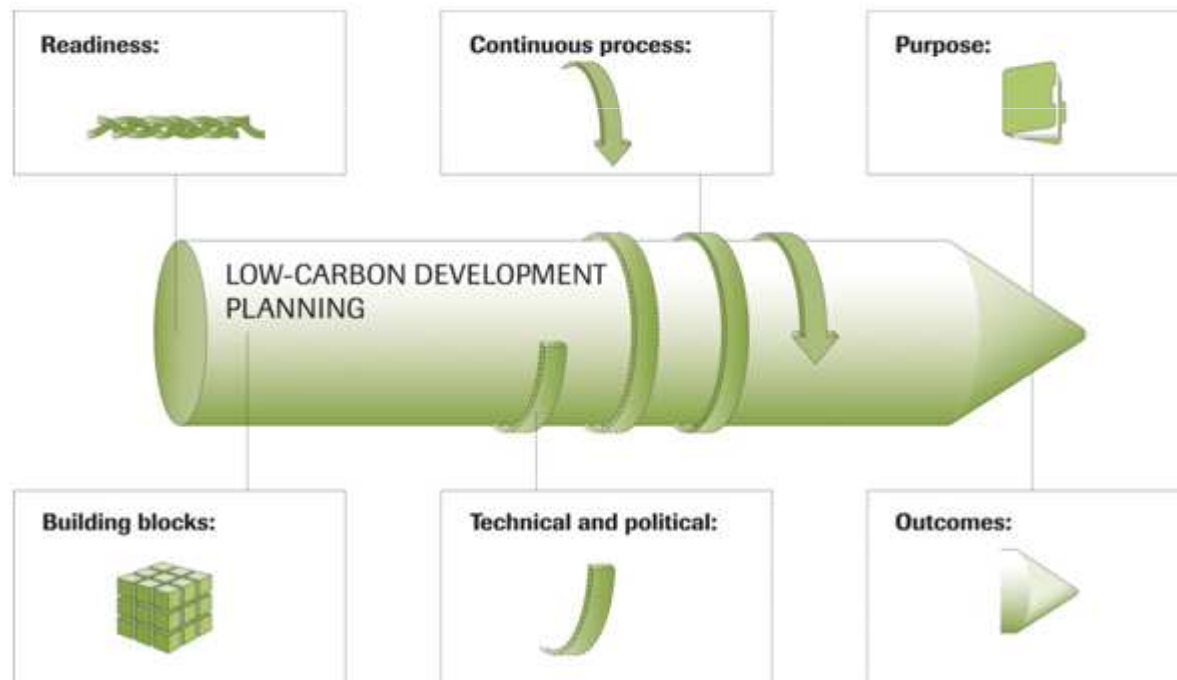
Current status:

- Negotiations – central in Cancun Agreements
- Practice – many countries have started

Low-carbon development planning

Best practices and lessons learned

- Large variety in national contexts and 'readiness' makes template ineffective
- Several best practices and lessons learned emerge



Linking technology transfer and LCD planning

Why?

- Technology transfer is not an aim in itself
- Limited resources in developing countries
- As framed under the UNFCCC: TNAs move towards LCDS with Technology Action Plans

Why not?

- Successful technology transfer also includes elements of strengthening the general innovation system of a country which are not traditionally covered under a low carbon development strategy
- Low-carbon development planning is government-led, whereas technology transfer (mostly) takes place between private sector players.

➤ An LCDS can set the framework and define government priorities

How to link technology transfer with LCD planning?

Building blocks

- Assessment of the current situation
- Analysis of low-carbon alternatives
- Identification of policy aims, actions and interventions

Assessment of the current situation	Analysis of low-carbon development alternatives	Identification of policy aims, actions, and interventions
<ul style="list-style-type: none">• Data collection• Capacity assessment• Stakeholder mapping• Institutional setup	<ul style="list-style-type: none">• Identify actions• Identify gaps and barriers• Scenarios and modelling• Baseline and targets• Policy and impact assessment• Priorities• Needs assessment	<ul style="list-style-type: none">• Long term vision• Targets and actions• Finance• Government intervention• Private sector investments• International support• Plan for implementation• International reporting

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• Capacity assessment	• Identify gaps and barriers	• Targets and actions
• Stakeholder mapping	• Scenarios and modelling	• Finance
• Institutional setup	• Baseline and targets	• Government intervention
	• Policy and impact assessment	• Private sector investments
	• Priorities	• International support
	• Needs assessment	• Plan for implementation
		• International reporting

Conclusion

- Technology transfer is not an aim in itself but a means to achieving a country's (low carbon) development goals
- It is possible to better integrate the approach to technology transfer under the UNFCCC into existing low-carbon development planning efforts in developing countries
- Link to low carbon development planning should be taken into consideration in the approach of the CTC&N

Thank you!

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ECN Policy Studies has been working on developing country mitigation policies and measures since the late 1990s. We provided analysis on international climate policy instruments for European and international clients, and do concrete work on implementing climate policy instruments in developing countries, as well as capacity building.