

# Interlinkages between national and international climate policy concepts - TNA, LCDS, Roadmaps, and NAMAs

**Wytze van der Gaast**

JI Network- Groningen

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# Concepts for low carbon development

- Technology Needs Assessments (TNA)
- Low-Carbon Development Strategies (LCDS)
- Roadmaps
- Nationally Appropriate Mitigation Actions (NAMA)

# Technology Needs Assessment

- Goal and Scope
- Identify low emission and low vulnerability technologies
  - National strategy with action plan for technology acceleration
  - Developing countries
  - Basically all sectors / areas for mitigation and adaptation
  - Integration with national vision(s) and strategies
  - Commissioned by COP -> TNA Handbook updated
- Approach
- Understand country's development priorities
  - Participatory process: “buy in” of stakeholders in process
  - Prioritize (sub) sectors
  - Prioritize technologies
  - Identify measures for technology acceleration for strategy

# Low Carbon Development Strategy

## Goal and scope

- Integrate climate policy with development objectives
- Pathway for national development and climate objectives
- Developing countries and developed countries
- Mitigation
- Concept studied for number of countries

## Approach

- Understand country's development priorities
- Evaluation of near and long-term national GHG scenarios
- Portfolio of policies and programmes to achieve objectives
- Preparation of implementation plans
- Stakeholder consultations

# Roadmaps

## Goal and scope

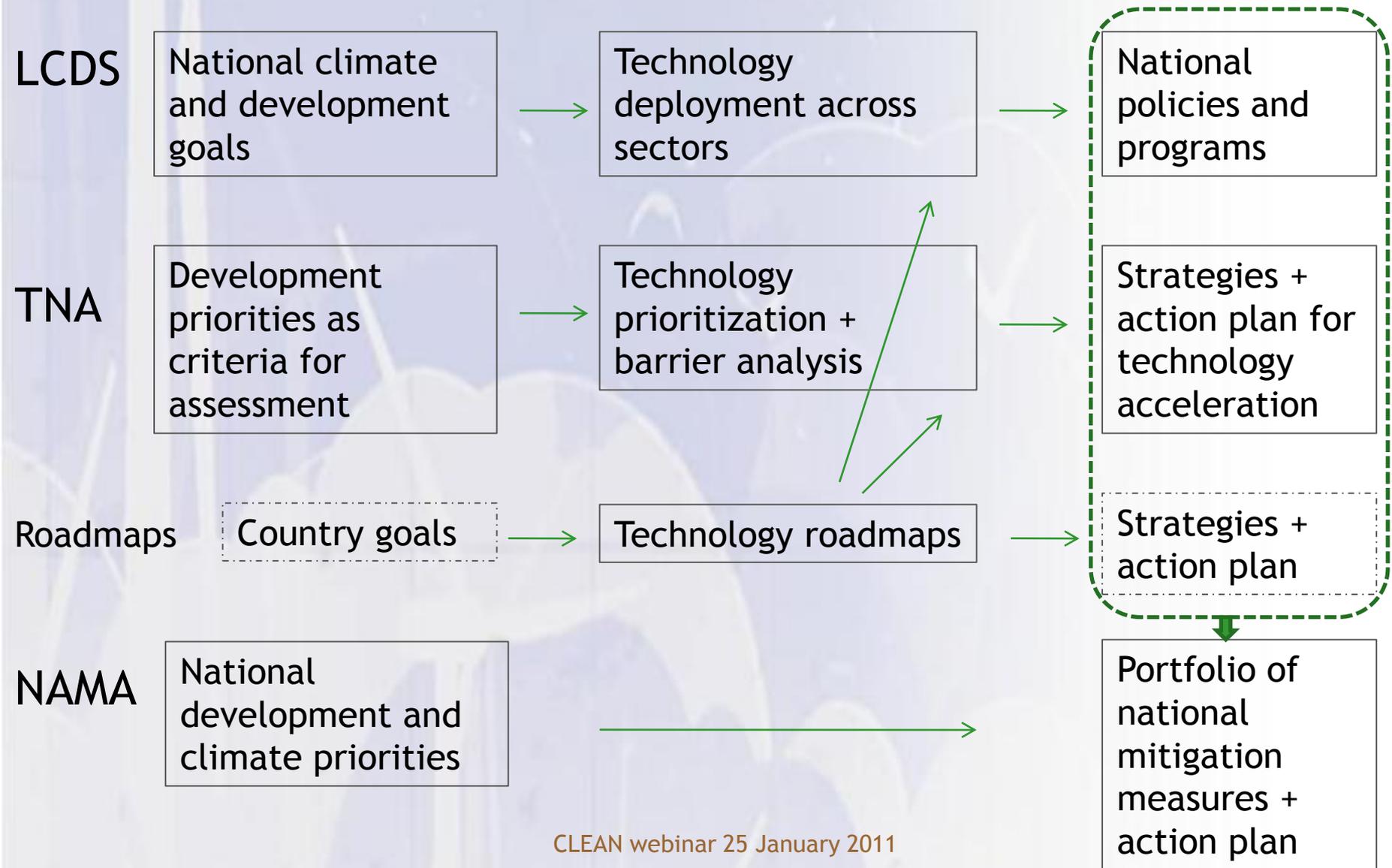
- Plan with steps to achieve stated outcomes and goals
- Can be country, organisation or technology oriented
- Process: vision, milestones, strategic plan, implementation
- Roadmaps not necessarily drafted for climate policy purposes
- IEA roadmap studies

## Approach

- Identify roadmap boundaries (target, technology, time, etc.)
- Identify tasks and priorities for action
- With milestones in the near, medium and long term
- Stakeholder consultations

# NAMAs

- Goal and scope
- Portfolios of national mitigation measures + action plan
  - Integrate mitigation actions with development objectives
  - Developing and developed countries (differentiated)
  - Could use outputs from TNAs, LCDS and roadmaps
  - Included in 'Enhanced action on mitigation' (Cancún)
- Approach
- Identify actions for climate change mitigation
  - Develop specific and targeted mitigation actions (unilaterally or bilaterally)
  - Broad stakeholder support



# Interlinkage TNA, LCDS and NAMAs

- LCDS for developing countries similar to updated TNA process
  - integrate national climate change strategies with development planning in systematic and strategic way
- Potential for harmonization of methods, tools and training
- TNAs and LCDS -> prioritize NAMAs and enhance their implementation
- TNAs and LCDS -> provide action plans for mitigation actions in NAMAs
- Roadmaps -> key input to TNA/LCDS with comprehensive technology plans (incl. R&D)
- Common need for assistance with implementation in developing countries (e.g. finance, private sector, networking, training)

# Role of CLEAN

- Advise policy makers on how to build further on the shared vision for low-carbon development in Cancún Agreements
- Explore potential for harmonization of methods, tools, and training
- Promote peer learning and lesson sharing for the tools
- CLEAN inventory -> tool for promoting coordination of technical support to countries

## Questions for discussion

- Should TNA (mitigation aspects) and LCDS support be merged in the future to have on low carbon development planning process?
- What are your views on the linkages presented here?
- What other opportunities exist for enhanced linkages between these instruments beyond those described here?
- What steps can be taken to foster further harmonization of approaches?