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Set up and Implementation of National Systems of Innovation

Outline for an upcoming TEC compilation

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Objective and scope of analysis

Objective:

To understand what lessons can be learned from the set-up and implementation of existing National Systems of Innovation (NSIs) that support a country's efforts to enhance action on climate change mitigation and adaptation

To identify a set of good practices for potential use by national policy makers in other countries

Scope:

'National Systems of Innovation', looking at:

- Actors, networks & interlinkages, institutional context & legislative framework
- Systems within a country, though scope can be national, sectoral or technology-focused
- Systems that can be organized top-down (by government), bottom-up (organically arising from specific actors or activities) or both
- Climate technology for mitigation and adaptation (IPCC definition) or broader

Building on earlier work by TEC and others

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Outline of brief

1. Foreword(s) (1 page)
2. Highlights (1-2 page)
3. Concepts, definitions, approach (2-3 pages):
 - Definition of 'innovation', 'NSI', definition of a successful NSI
 - National/sector/technology perspective, climate-specific or broader
 - Crucial elements, characteristics of an NSI, potential functions of an NSI
 - How to determine/define 'good practice'
 - Criteria for case study selection:
 - Mitigation/adaptation
 - Regional representation, mix of income levels
 - Mix of perspectives: national/sectoral/technology
 - Mix of sectors: water/agriculture/health/energy/transport etc.
 - Maturity, information availability
 - Potential for good practices and useful lessons learned
 - Replicability

Outline of brief - 2

4. Introduction, including overview of selected case studies (2-3 pages)
5. Case studies (5-6 pages each) – see next slide
6. Good practices and lessons learned across case studies, including (4-5 pages):
 - (vocational) education at the national level
 - Combination of top-down policies and bottom up approaches
 - Coordination at the international level
7. Conclusions & recommendations (2-3 pages)
8. Acknowledgments
9. References

Case study outline

- Introduction
- Focus of initiative:
mitigation/adaptation, national/sector/technology, country
- Description of initiative
- Legislative/regulatory framework
- Overall approach to set up innovation system, focus on:
 - Institutional set-up, including key actors, networks
 - Top-down/bottom-up drivers
 - International links
- Functions of the innovation system
- Key success/fail factors, lessons learned

For further information:



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