

East Asia Low Carbon Green Growth Roadmap Forum
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Low Carbon Green Growth Roadmap for Asia and the Pacific:

*Turning resource constraints
and the climate crisis
into economic growth
opportunities*



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Overview

1. Key challenges & opportunities in AP region
2. Roadmap's thrusts & key messages
3. Objectives of the Forum (key questions)



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Challenges in AP region -

Resource constraints & climate change

- The days of abundant resource and low fossil fuel prices are over.
- Countries in the region are particularly vulnerable:
 - In 2011 alone, 42 million people in Asia-Pacific were pushed back into poverty due to energy and food price increases
- Countries in the Asia-Pacific region are the most vulnerable to climate-related disasters
 - 85 per cent of deaths and 38 per cent of global economic losses
- **Developing countries are most vulnerable.**



Urgent Need for New Growth Paradigm

- Business-as-usual is no longer an option.
- Need to **shift urgently from energy, resource and carbon intensive** towards **efficient growth pattern**: i.e. low carbon growth pattern
→ AP countries are using 3 times more resources per GDP
- ESCAP has been developing a **Roadmap for Low Carbon Green Growth** to provide policy makers of developing countries in the Region with **concrete policy options** with the support from the Korean Government



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Conceptual framework

Low Carbon Green Growth is..

Diagnosing current **resource constraints** and **climate crisis** as key challenges for sustainable growth in AP region,

To **turn this crisis into growth opportunities**, and support achieving MDGs & make economic growth sustainable,

Provide policy strategies to steer **economic system change** to achieve double dividend,

By re-orienting our economy based on **Eco-efficiency** (economic and ecological efficiency),

: by closing **Time and Price Gap** in both **visible** and **invisible** structures of the economy



Fundamental System Change for LCGG

- Restructuring both the:
 - **Visible structure** (physical infrastructure, (urban design/land use planning/buildings/ transport/energy/water infra/waste system)
 - **Invisible structures** (market prices, fiscal policies, institutions, governance and lifestyles)
- **Only Governments can jump start System Change**
 - Market cannot deliver system change
 - Political leadership critical: Korea, role Model
 - **Low Carbon Growth Dialogue can mobilize political leadership of the Region**



Key principle & Vision

Eco-efficiency & Double dividend

- LCGG promotes a system change to close the gap between economic & ecological efficiencies and achieve Eco-Efficiency

* **Eco-Efficiency**: Economic & Ecological Efficiency

- A key to achieve **Double Dividend** structures of the economy:

- ✓ environmental sustainability &
- ✓ new economic growth and employment



Close **Time & Price gap** based on Eco-efficiency principle



• Closing the price gap

- Market price < Ecological costs



• Closing the time gap

- Short-term costs < Long-term benefits

- Integrate: economic + ecological efficiency

=> **Eco-efficiency (Green Economy)**



LCGG is more/also relevant for developing countries (in AP).

- SURVIVAL: Most vulnerable
- FEASIBLE: Not merely about money +technology - policy leverage of the government pivotal
- LCGG: as a growth strategy for energy security, resilience and avoiding poverty trap
- GREATER POTENTIAL: A strategy for leapfrogging opportunity (Avoiding unsustainable lock-in growth pattern)
- *Rio+20: Growth Strategy* not environmental conditionality



ESCAP Roadmap identified 5 tracks

1. Improving the **quality** of growth and maximizing net growth
2. Changing the **invisible** structure of the economy: Closing the gap between economic and ecological efficiencies
3. Changing the **visible** structure of the economy: Planning and designing eco-efficient infrastructure
4. Turning green into a **business** opportunity
5. Formulating and implementing **low-carbon** development strategies



- **The Low Carbon Green Growth Roadmap for Asia and the Pacific consists of**

- **A main report**, which lays out the challenges for the region, the paradigm of the green growth strategy and the roadmap for pursuing it in several critical sectors, including the policy options
- **A Executive Summary for policymakers**, which contains all the key messages and findings
- **63 fact sheets** that provide detailed information and analysis of the policy options identified in the manual, including strengths, challenges and implementing strategies
- **51 case studies** that provide detailed information about successful practices that can be found in the Asia-Pacific region and elsewhere
- **8 policy papers** with in-depth analysis for specific sectors, such as environmental tax and fiscal reform, urban planning, transport, green buildings,
- **All products will be available on CD and on the web after this Forum.**



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Key messages of the Roadmap

AP region at a historic crossroad:

- Development goals are within reach BUT sustaining growth requires **drastic improvement of eco-efficiency** of the economy.
 - **Energy and resource efficiency** need to be drastically improved if growth is to be sustained and sustainable.
- LCGG provides solution BUT this requires **bold and ambitious economic system change**, not incremental improvements based on BAU.
 - This includes: **quality** focus in growth & both **invisible** and **visible** system changes (pricing, institutions, life-styles and infrastructure).
- Government's structural policy interventions is pivotal to kick-start this process.



Key messages of the Roadmap (cont'd)

“ Identify and reduce **hidden GDP losses**.

This will improve **quality of growth** while also



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https://www.yunbaogao.cn/report/index/report?reportId=5_5703

