

Asia Low Carbon Community , Green Silk Road & South-South Cooperation



——Non-market approaches to cooperation in East Asia

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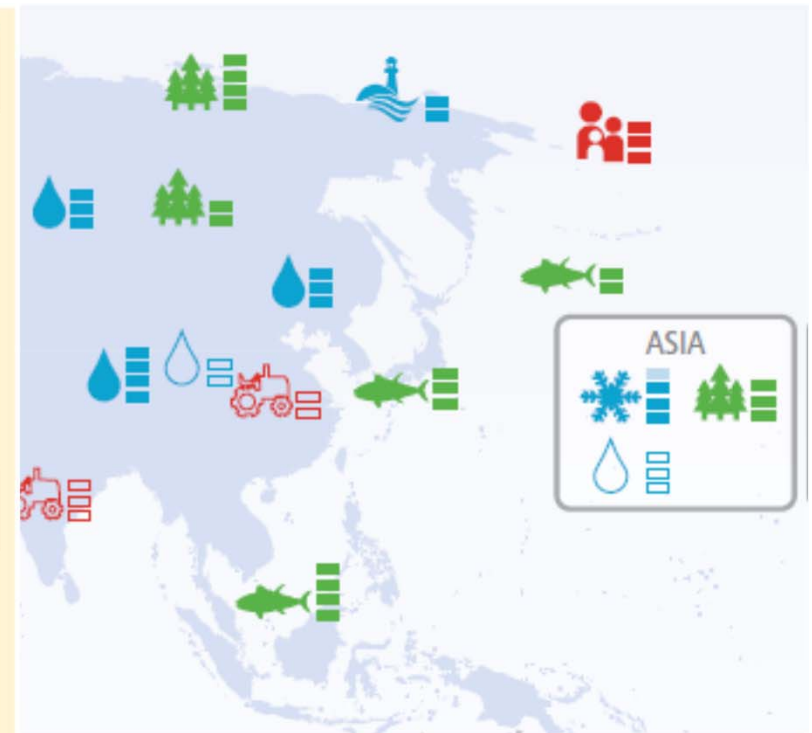
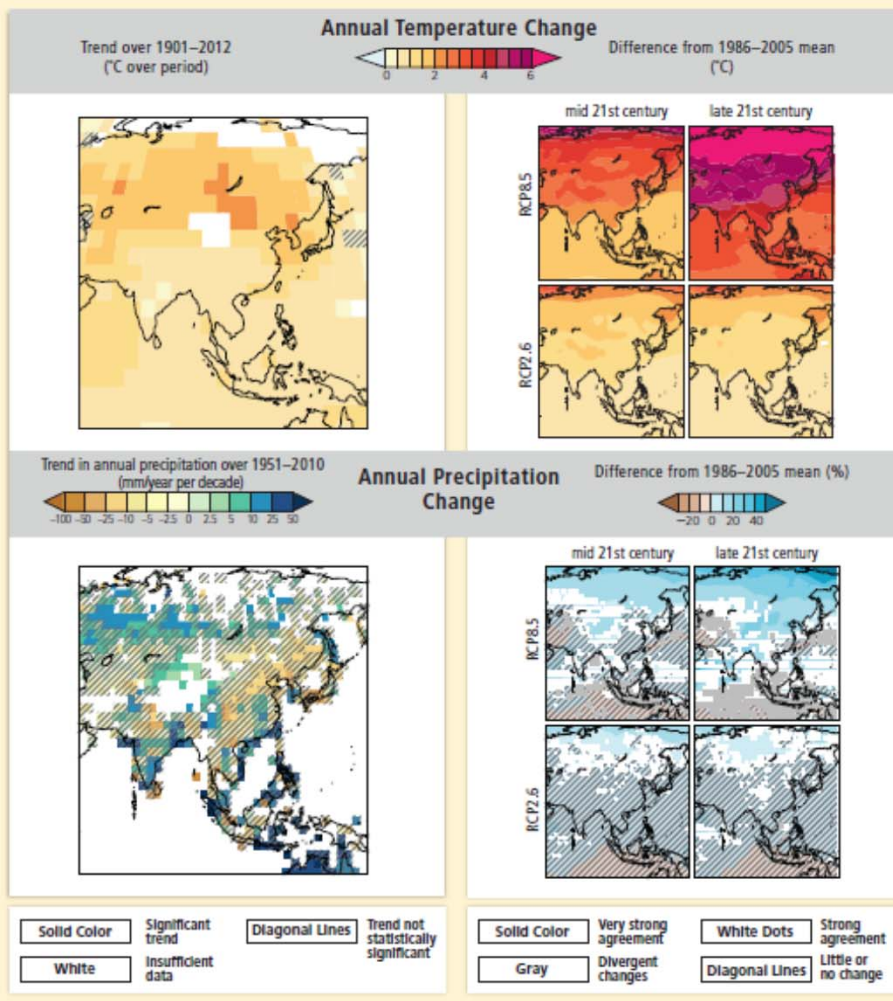
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Harvard Center Shanghai

国家应对气候变化战略研究和国际合作中心

National Center for Climate Change Strategy and International Cooperation (NCSC)

Climate Change in Asia

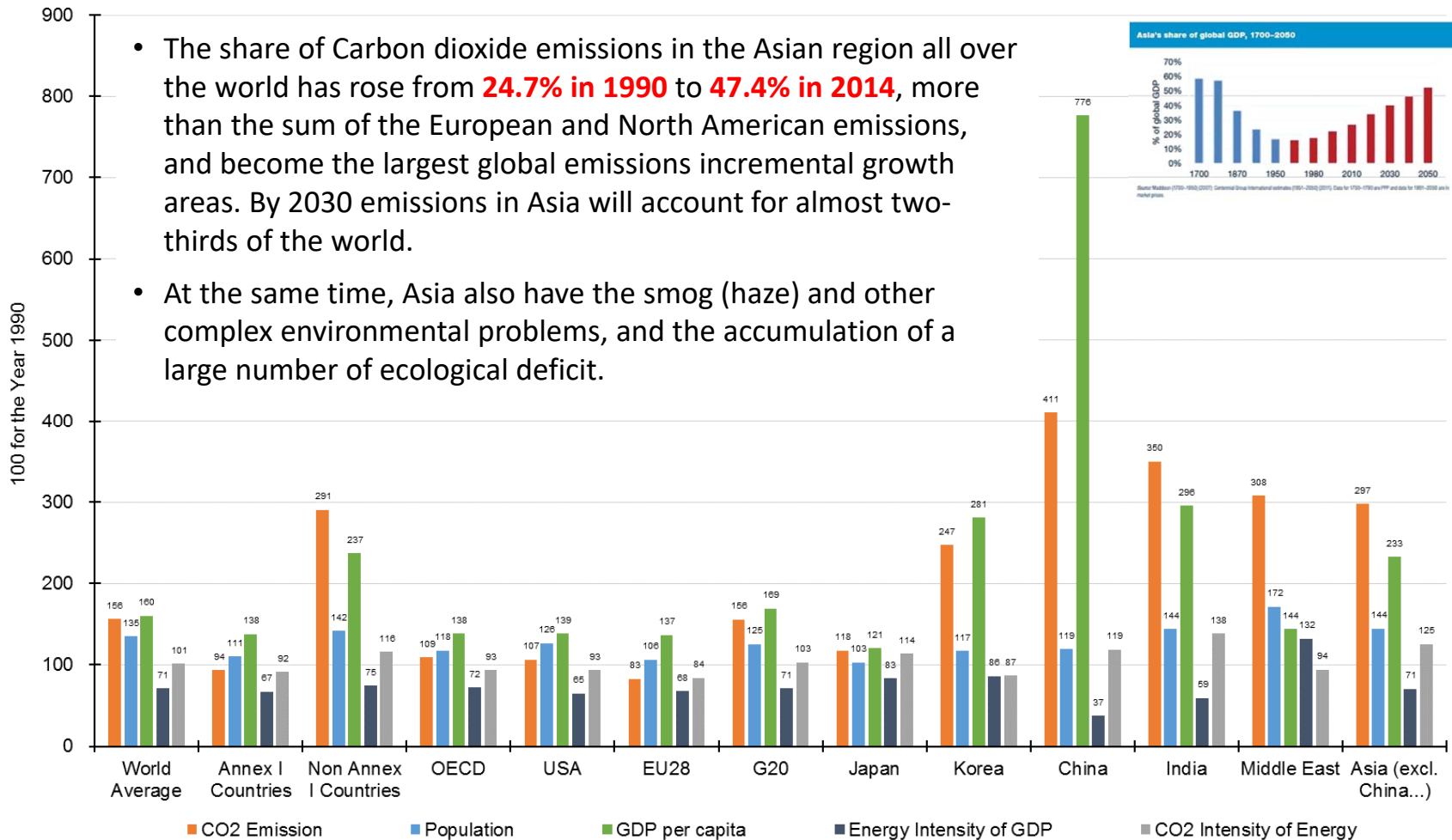


- Compounding the risk for coastal communities, Asia has more than 90% of the global population exposed to tropical cyclones.
- Asia is predominantly agrarian, with 58% of its population living in rural areas, of which 81% are dependent on agriculture for their livelihoods. Rural poverty in parts of Asia could be exacerbated due to negative impacts from climate change on rice production, and a general increase in food prices and the cost of living.

The population in Asia is about 4 billion, accounting for about 60.5% of the world's total, and GDP in Asia for 27%.

Major Source of Growth

- The share of Carbon dioxide emissions in the Asian region all over the world has rose from **24.7% in 1990** to **47.4% in 2014**, more than the sum of the European and North American emissions, and become the largest global emissions incremental growth areas. By 2030 emissions in Asia will account for almost two-thirds of the world.
- At the same time, Asia also have the smog (haze) and other complex environmental problems, and the accumulation of a large number of ecological deficit.



Trilateral Cooperation on East Asia Low Carbon Community and Sustainable Development

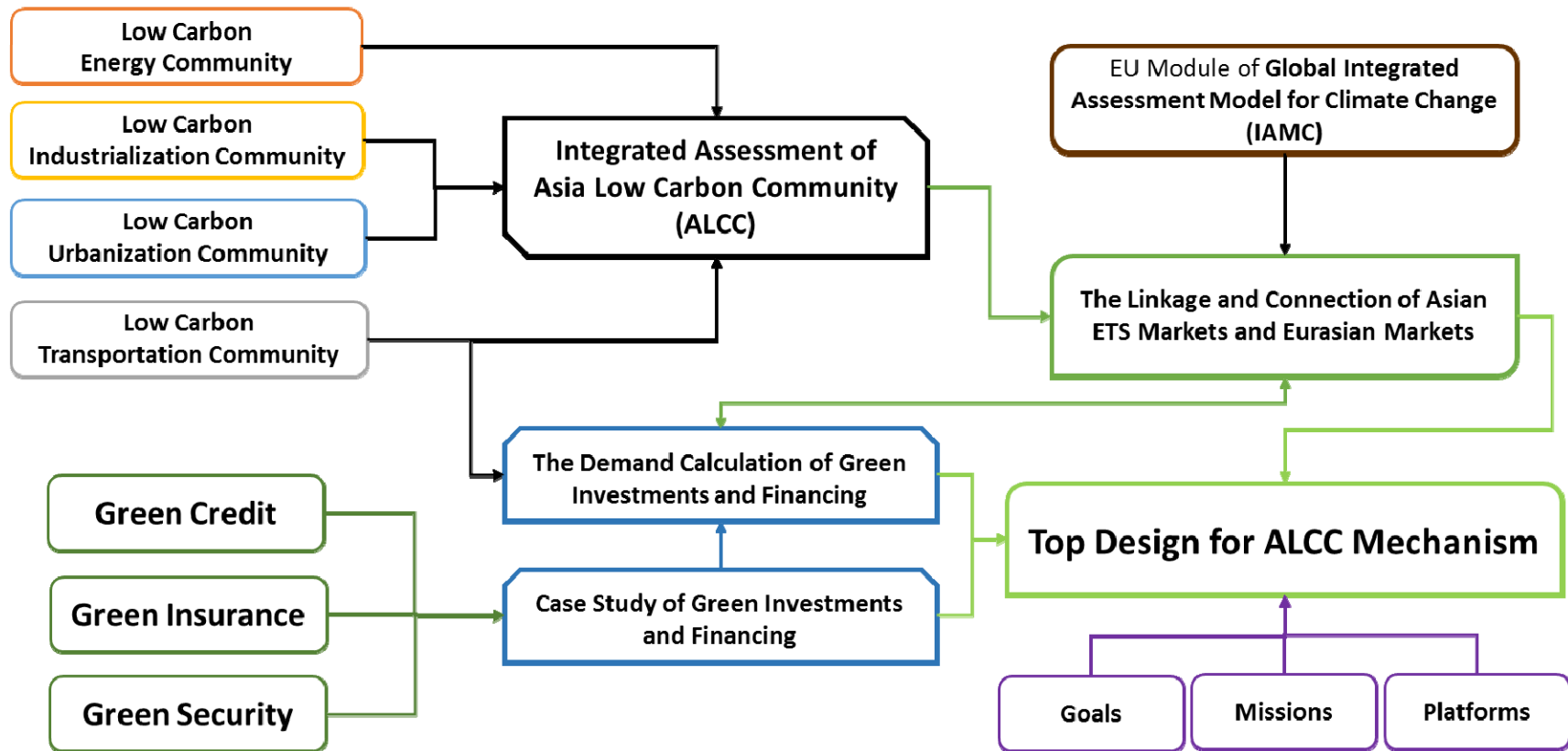


Major areas of research cooperation may include, but are not limited to:

- ❑ *East Asia Low Carbon and Sustainable Community: Modality, procedure and action plan;*
- ❑ *Climate Change Mitigation and Environmental Protection through technology development and regional collaboration: Market based mechanisms and non-market based instruments, including linking East Asian carbon markets, ETS and MRVs;*
- ❑ *Low Carbon Cities, Industrial Parks and Communities: Best practices and lessons learned on GHGs mitigation, Waste Management, Water, Air Pollution and city management and design.*
- ❑ *South-South Cooperation and Triangular Cooperation: Barriers and solutions to trilateral and bilateral Joint clean infrastructure investments in developing countries; Development of a triangular cooperation to explore green development in other regions, such as Southern Asia and Africa & Middle-East.*
- ❑ *Renewable Energy and Global Energy Internet (GEI): Green technology deployment, integration and infrastructure between China, Korea and Japan.*

Asia Low Carbon Community Study

Follow the tracks of the mechanism in World Bank, Asian Development Bank, Asian Infrastructure Investment Bank, Silk Road Fund, New Development Bank, China South-South Climate Cooperation Fund, etc.



In addition to the carbon market, the investment on energy conservation, low carbon energy (natural gas, nuclear and renewable energy) and related infrastructure is expected to over **\$10 trillion** in next 15 years, New green employment will increase by about **90 million**. Low carbon development will bring new prosperity and high quality growth in the emerging markets of Asia, Asian countries and China jointly build Green Silk Road, and promote environment improvement and sustainable competitiveness.



South-South Cooperation in Asia



Xi announced in Paris (2015) and repeated in BRICS Summit (2017) that China would

Establish the **China South-South Climate Cooperation Fund** with RMB 20 Billion (US\$3.1 billion)

Launch China South-South Cooperation 10-100-1000 Program

- ✓ Set up 10 low-carbon pilots;
- ✓ Start 100 mitigation and adaptation programs; and
- ✓ Provide 1,000 training opportunities.

Signed MOU with 29 Developing Countries for 48 Projects in 2012-2017

Country	Region	Product
Maldives	Asia	LED light, Solar PV system, Household Solar PV System
Myanmar	Asia	Household Solar PV System, Clean cook stove
Pakistan	Asia	Household Solar PV System
Iran	Asia	Household Solar PV System and LED light
Nepal	Asia	Household Solar PV System
Mongolia	Asia	To be determined
Vietnam	Asia	To be determined
Bangladesh	Asia	LED light



In Nov 2015, the MOU concerning the provision of goods for addressing climate change was signed between NDRC and The Myanmar Environmental and Forestry Protection Department

- Clean Cook stove
- Household Solar System



Thanks for Your Attention!

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