

Development Impacts: Bridging Theory, Policy, and Action



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Roadmap

- 1. Measuring Impacts: Brief History**
- 2. Research: Making the Policy Link**
- 3. Presenters**

Measuring Impacts: Not New

1804-1866
Jules Dupuit



1936 Flood
Control Act



1980 Executive
Order 12291



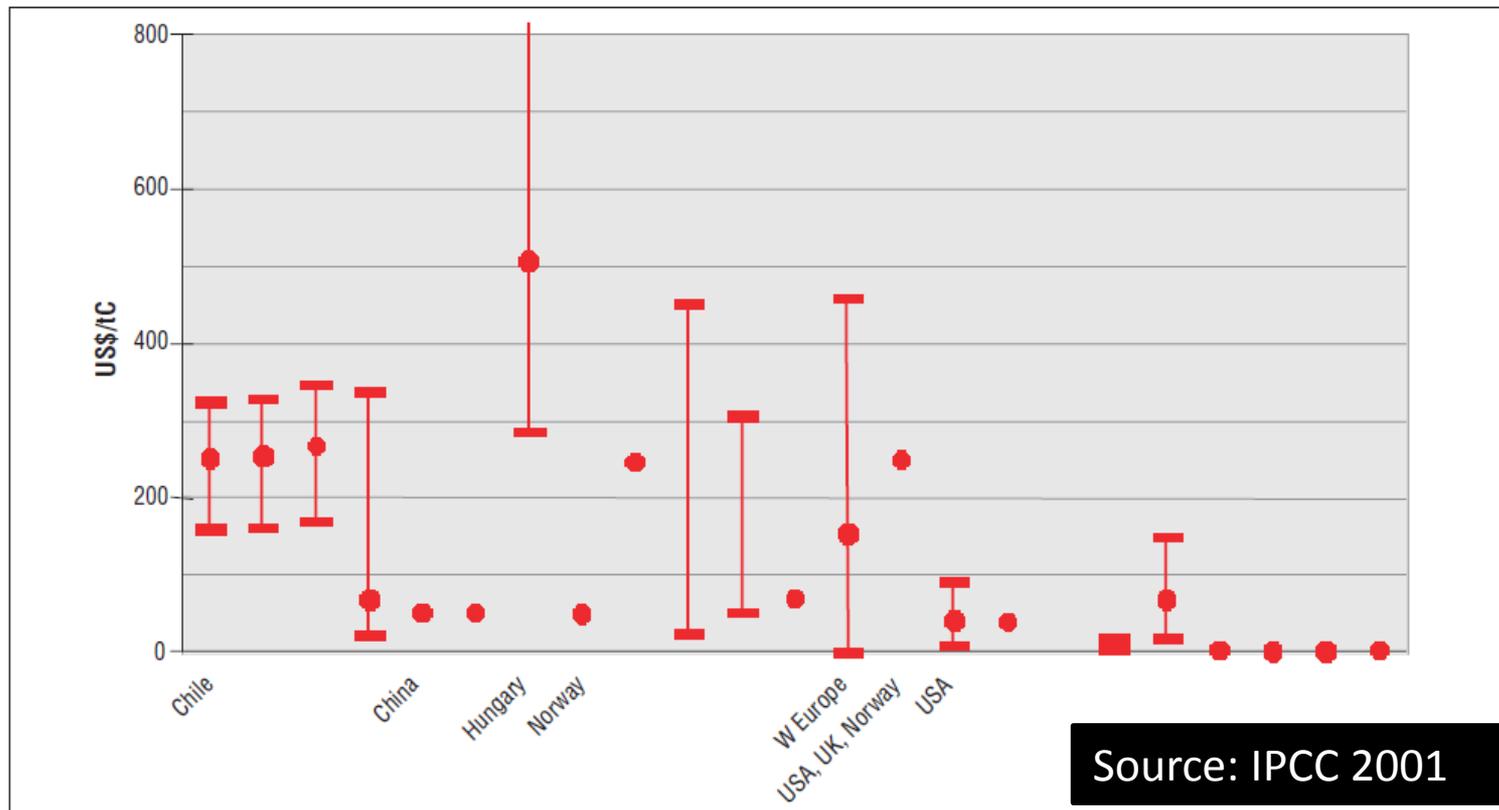
Research on Co-benefits: Not New

- “[benefits] include health and welfare benefits due to reduction in...air pollutants... (Morgenstern, 1991)
- Recognizes air quality benefits in climate model

- **Cost-Benefit Analysis (CBA)** (Ayres and Walter, 1991)
- Measures indirect benefits in terms of reduced air pollution damage and even direct cost savings. Industrialized countries range from \$20 to \$60 per ton of CO₂ eliminated.

- **Benefits near-term, local, and *relatively* certain** (Markyanda and Rubbelke, 2000)
- Conceptualizes co-benefits. Suggests importance in a developing country context.

Many Studies: Model/Monetize Benefits



Source: IPCC 2001

Figure 8.9: Summary of ancillary benefits estimates in 1996 US\$/tC.

Many Organizations Conducting Research

CANADA

IISD-Created development divided to measure SD benefits of CDM
UBC-Looking at Co-impacts and trade-offs with focus on short term warming agents

UNITED STATES

USEPA-IES-Estimates co-benefits for several countries in energy transport sectors; generate analytical inputs into policy process
RFF-Contributed to early work on co-benefits; recent large study on co-benefits in China
Woods Hole Research Center/ UC Berkeley/ Harvard-Ongoing co-benefit work in Asia ; on metrics and projects
Princeton University-Co-benefits and co-impacts in China (short term warming agents)
HEI-Many years of estimating health impacts of integrated measures

SOUTH AMERICA/ LATIN AMERICA

Catholic University-Analyzed the health impacts of implementing air quality improvements
National Institute of Ecology-Engaged in four phase study in Latin America estimating co-benefits
Instituto Nacional del Agua y el Ambiente and the University of Buenos Aires-Modelling health impacts of integrated strategies
University of Sao Palo-Modelling health effects from integrated environmental strategies

EUROPE

NEAA-Recent released study comparing air, climate and integrated policy
CICERO-Several studies on co-benefits in China with growing interest in India
SEI-GAPF-Global initiative on climate and air linkages in different regions
OECD-Worked with RFF on initial co-benefits workshop for IPCC TAR; engaged in recent work with RIVM; looking at linkages to future climate regime
IIASA-Using existing RAIN model converted to GAINS model to estimate co-benefits in Asia

KOREA

KEI-estimating co-benefits of transport and energy policies in Korea

JAPAN

IGES-research on co-benefits in transport and waste sectors as well transregional air pollution
OECC-Disseminating co-benefit project tool for CDM projects in China and Southeast Asia

INDIA

TERI-estimating climate co-benefits; inserted into climate national action plan
RITES-supporting co-benefits modeling in Hyderabad

Philippines

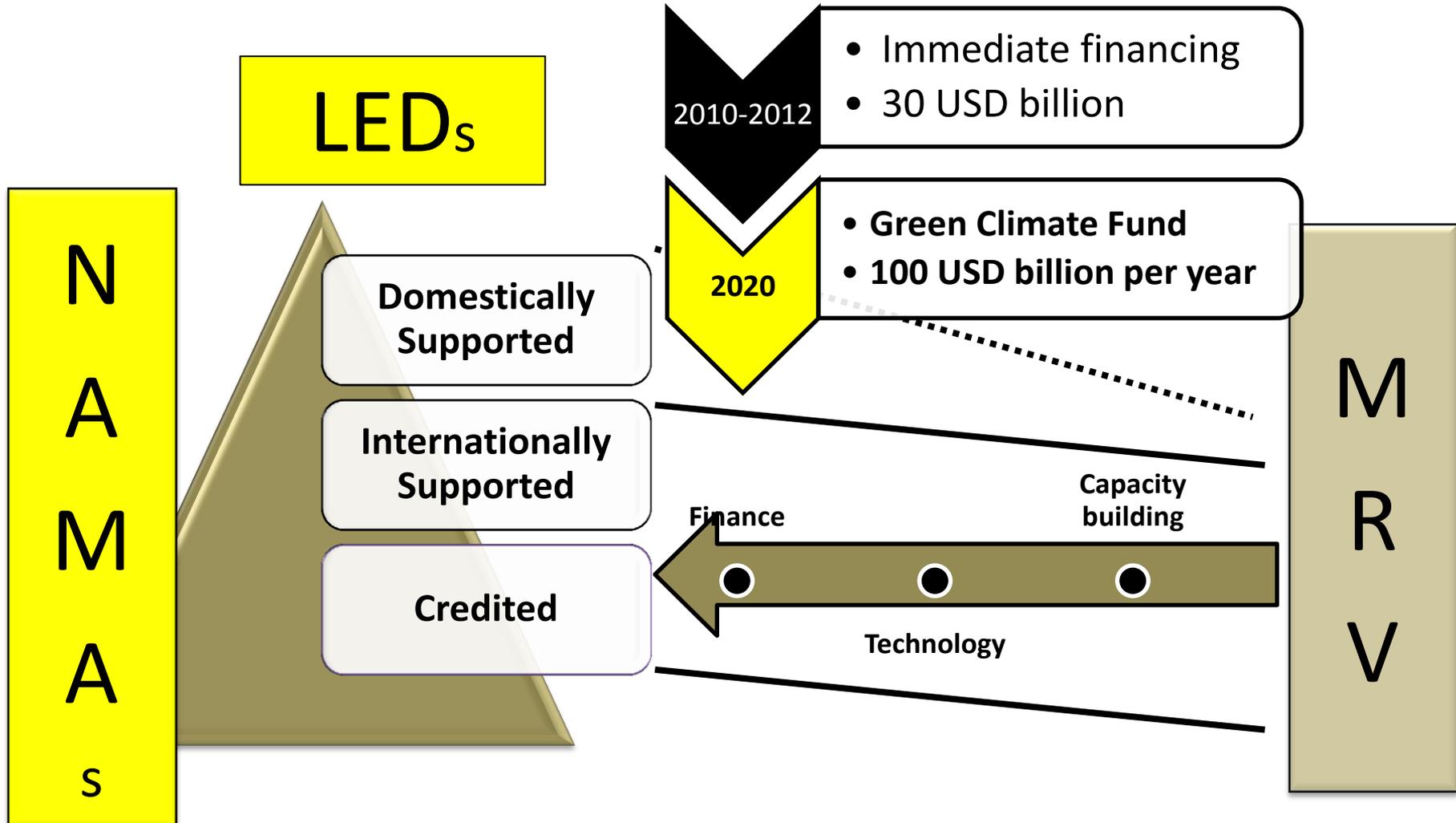
CAI-Asia-supporting series of research and outreach activities on co-benefits, including community of practice

CHINA

ERI-Estimating co-benefits using GAINS model
Tsinghua University/PRCEE-Several studies on co-benefits in Beijing and national study
Shanghai Academy of Environmental Sciences-Estimate of co-benefits in Shanghai

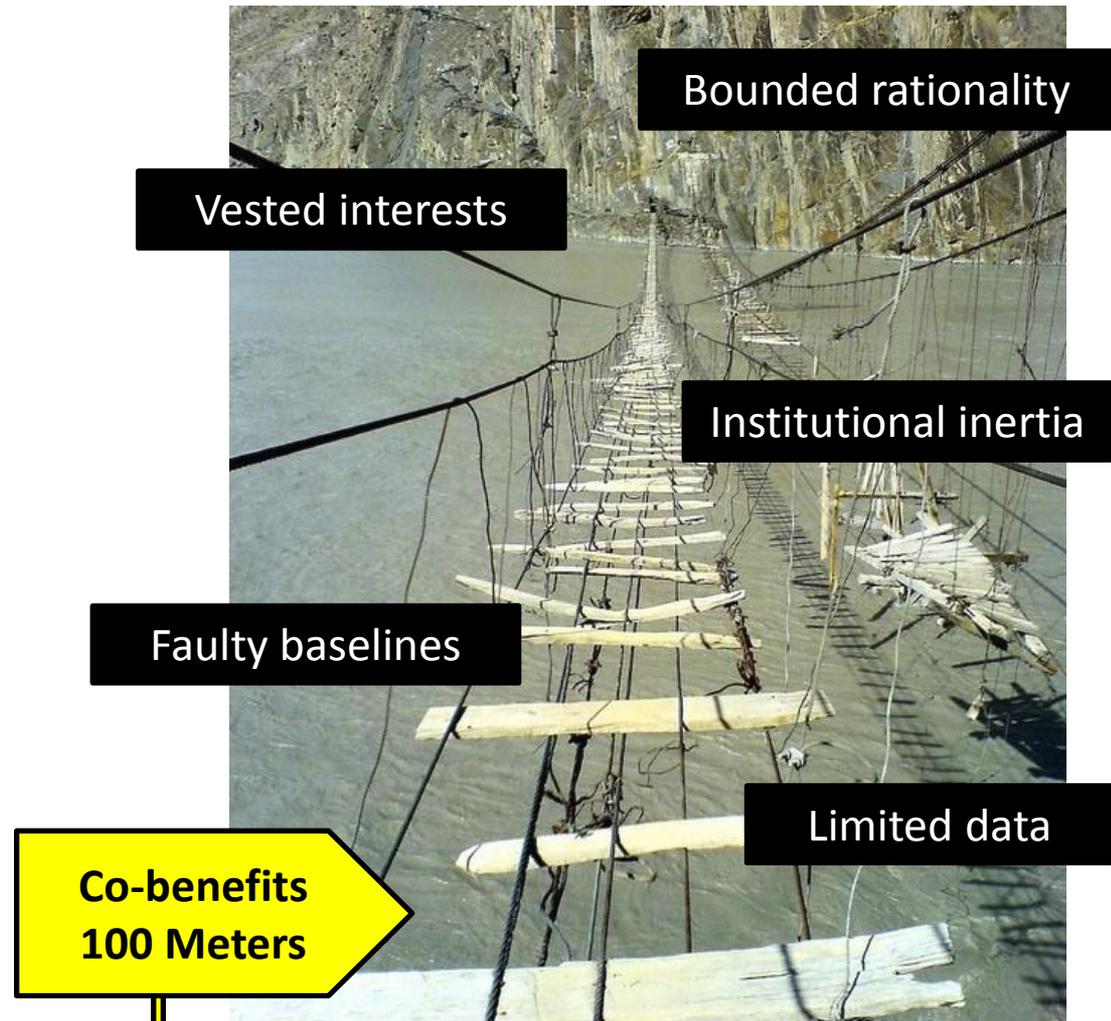
*This is not an exhaustive list; it is meant to convey the growing interest in estimating co-benefits

Co-benefits in Climate Policy



Bridging Research, Policy, and Action

- The links are still tenuous
- Many potential missteps



Asian Co-benefits Partnership

www.cobenefit.org

- A platform to improve information sharing and stakeholder dialogue on co-benefits in Asia.
- Goal: to support the mainstreaming of co-benefits into decision-making processes in Asia.

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ACP ASIAN Co-benefits Partnership

Asian Co-benefits Partnership

Bringing Climate and Development Together
The Asian Co-benefits Partnership is an informal and interactive platform to facilitate information sharing and stakeholder dialogue on co-benefits in Asia.

11 November

What's New?

2nd Advisory Group Meeting
(July 2011, Yokohama)

UNU-IAS-IGES-ACP Joint Meeting: Greening Growth in Asia: Making Co-benefits Mainstream
(July 2011, Yokohama)

1st Advisory Group Meeting
(July 2011, Kitakyushu)

Launching the Asian Co-benefits Partnership at the Better Air Quality (BAQ) 2010
(November 2010, Singapore)

About

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- Major Functions
- Governance
- How to Become a Partner

Activities

Partners

Publications & Tools

- Brochures & Flyers
- Work Plan
- Newsletter
- Conference Proceedings
- Factsheet
- Reports
- Tools

Contact us

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About this site Site map

The Asian Co-benefits Partnership (ACP) website is hosted and maintained by the Institute for

Presenters

1. Dang Thi Thu Hoai

What are the social and economic impacts of green growth strategies; and how can adverse impacts be minimized?

2. Christopher Doll

What tools are available to measure urban co-benefits; and how can they accommodate governance indicators?

3. SoWon Yoon

What are the costs and benefits of GHG mitigation in Korea?; how can tools be disseminated?

Questions

- How can we balance the need for accuracy against the need for timeliness and simplicity?
- Where and when should estimating impacts be integrated into policymaking process?
- Should we be working toward a standard set of tools/methods?
- If so, where should those standards be set?