GREEN GROWTH
Knowledge Platform

# Generating, Managing and Sharing Green Growth Knowledge

NetGreen Workshop

Tomasz Kozluk (OECD)

Den Haag, 11/06/2014

# A Call to Action

- Achieving sustainable development will only come about through changing our current economic thinking, policies and decision-making.

- A green economy as a powerful pathway for fostering economic growth and development while preserving the natural assets on which out future well-being relies (UN Conference on Sustainable Development in 2012 - Rio+20).

# Mission

The Green Growth Knowledge Platform (GGKP) -

- a global partnership of leading international organizations, research institutes and think tanks with the following mission:

- Identify major knowledge gaps in green growth theory and practice,
- Address those gaps by promoting collaboration and coordinated research; and
- Provide practitioners and policymakers the policy analysis, guidance, information and data necessary to support a green economy transition.

# A Global Partnership

- GGKP founded in January 2012 (Mexico City)





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Global
Green Growth
Institute


OECD


UNEP


THE
WORLD
BANK


CDKN
Climate & Development
Knowledge Network


INTERNATIONAL
MONETARY FUND


d·i·e
Deutsches Institut für
Entwicklungspolitik
German Development
Institute


International
Trade
Centre


THE
GRADUATE
INSTITUTE
GENEVA
CENTRE FOR
INTERNATIONAL
ENVIRONMENTAL
STUDIES


NDF
NORDIC
DEVELOPMENT
FUND


iisd
International
Institute for
Sustainable
Development
Institut
international du
développement
durable


LEDS
GLOBAL PARTNERSHIP


2iE


INECC
INSTITUTO NACIONAL
DE ECOLOGÍA
Y CAMBIO CLIMÁTICO


ILO
International
Labour
Organization


UNIDO


Organization of
American States


I·C·L·E·I
Local
Governments
for Sustainability


United Nations
Economic Commission
for Africa


THE
GROWTH
DIALOGUE


United Nations
Department of Economic
and Social Affairs


EfD
Environment for Development


teri
The Energy and Resources Institute


ICTSD
International Centre for Trade
and Sustainable Development


GREEN
TECHNOLOGY
CENTER
Korea


AFRICAN DEVELOPMENT BANK GROUP


unitar
United Nations Institute for Training and Research


UNDP


UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific


Zentrum für Entwicklungsforschung
Center for Development Research
University of Bonn

# The GGKP Strategy

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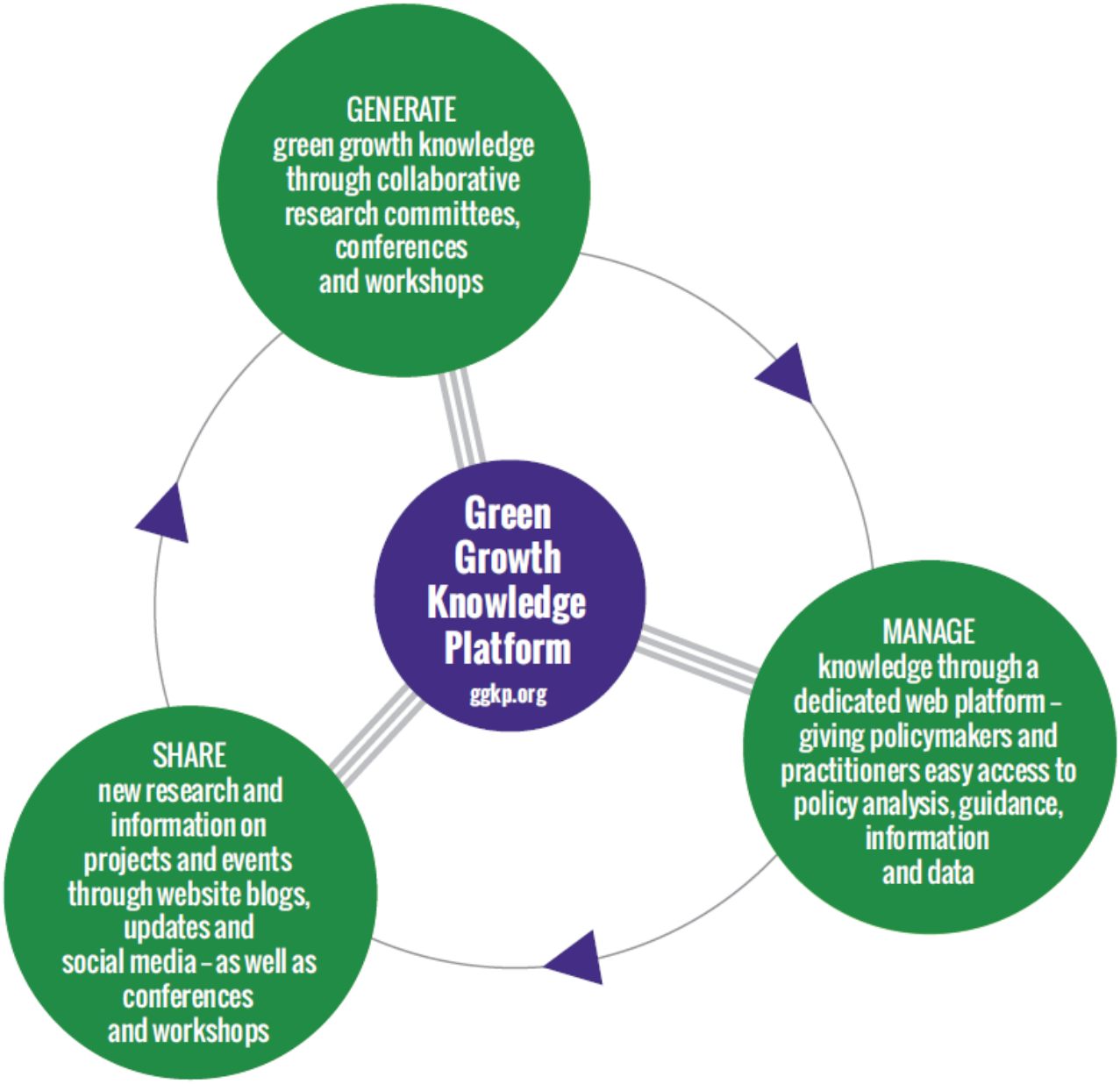

# Advisory Committee

- Panel of independent experts;
- Recommend key topics and point to new and emerging fronts for priority research;
- Identify relevant institutions and researchers, including nominees for Research Committees; and
- Where appropriate, suggest potential sources of research funding

# Advisory Committee

















## Research Committees

- The GGKP convenes research committees on particular green growth themes to:
  - identify knowledge gaps
  - address them by promoting collaboration and coordinated research.

# Research Committees

- Current research committees include:
  - Indicators and Metrics
  - Trade and Competitiveness
  - Technology and Innovation
  - Fiscal Instruments

# Recent Research

Over 20 research papers produced under the GGKP, including:

- "Ensuring robust flood risk management in Ho Chi Minh city" (Lempert et al.)
- "Greening Global Value Chains: Innovation and the International Diffusion of Technologies and Knowledge" (M. Glachant)
- "Greening Global Value Chains: Implementation Challenges" (B. Sinclair Desgagné)
- "Is Green Growth Good for the Poor" (S. Dercon)
- "From Growth to Green Growth: A Framework" (Hallegatte et al.)
- "International Trade and Green Growth" (B. Copeland)



The GGKP's first joint publication was launched by the OECD, World Bank, UNEP and GGGI at the GGKP Annual Conference in April 2013.

**"Moving towards a Common Approach on Green Growth Indicators"**


## GGKP Annual Conferences

Through its Annual Conferences, the GGKP brings together researchers, practitioners, policymakers and the private sector to discuss, debate and disseminate research. Next one in early 2015 in Venice (UNEP/FEEM).


## GGKP Practitioners Workshops

Green Growth Practitioner Workshops aim to build up the capacity in developing countries, enable knowledge exchange and engage researchers in the GGKP.

# Empowering Others Through Effective Knoweledge Management

- Numerous governments, intergovernmental organizations, research consortia, think tanks and academic institutions are actively generating green growth knowledge products. The GGKP aims to collect, manage and share this knowledge through its web-based knowledge platform.

# GreenGrowthKnowledge.org

- Searchable e-library with over 600 technical and policy resources tagged by country, region, sector and theme.
- Global database of green growth projects by leading organizations and institutions.
- Insights blog offering details and analysis on the newest innovations in green growth theory and practice by leading international experts.
- Country dashboards for 193 countries with key information on national-level data, projects, resources and policies providing an overview of efforts to transition to a green economy.
- A collection of over 25 sector and theme pages drawing together information on relevant resources, projects and blogs.
- Updates on green growth events and recently released research, tools and data.

# Netherlands




Map Sources: UNCS, ESRI. Based on OCHA map, www.reliefweb.int/location-maps. *The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the GGKP Partners.* Map created in Sep 2013.

## SOCIO-ECONOMIC CONTEXT

| | |
|---|---|
| GDP per capita (current US$, 2012) | 46054.4 |
| Gini index (index 0 to 100, 2010) | 28.8 |
| Human Development Index (index 0 to 1, 2012) | 0.92 |
| Population (millions, 2012) | 16.8 |
| Population density (people per sq. km of land area, 2011) | 494.9 |
| Unemployment (% of total labor force, 2011) | 4.4 |

## NATURAL ASSET BASE

| | |
|---|---|
| Agricultural land (% of land area, 2011) | 56.2 |
| Annual freshwater withdrawals per capita (cubic meters, 2011) | 635.6 |
| Average annual deforestation (% change in forest area, 2010) | -0.14 |
| Terrestrial and marine protected areas (% of total territorial area, 2010) | 15.2 |

## ENVIRONMENTAL AND RESOURCE PRODUCTIVITY

| | |
|---|---|
| CO2 emissions per capita (metric tons, 2010) | 11 |

## RELATED PROJECTS

### OECD Environmental Performance Reviews

Organisation for Economic Co-operation and Development (OECD)

# Research Committees

- Current research committees include:
  - Indicators and Metrics
  - Trade and Competitiveness
  - Technology and Innovation
  - Fiscal Instruments

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# GGKP – Measurement and Indicators

# 1st scoping paper

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**"Moving towards a Common Approach on Green Growth Indicators", published by OECD, World Bank, UNEP, GGGI, April 2013:**

- lays out a conceptual framework for green growth measurement
- reviews potential IGG indicators
- defines an IGG indicator set for measuring :
  - natural assets
  - environmental resource productivity/intensity
  - environmental quality of life
  - environmental policies and economic opportunities


- proposes wealth accounting as a complement to an IGG indicator dashboard
- identifies a series of IGG measurement challenges
- limited insight about data coverage and measurement methodologies

# GGKP RC Indicators & Measurement

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- established in October 2013
  - supported by the GGKP Secretariat: Benjamin Simmons & Amanda McKee
  - co-chairs: Tomasz Kozluk (OECD), Ulf Narloch (World Bank)
  - members: Fulai Sheng (UNEP), Valentina Stoevska (ILO), Oscar Ceville (OAS), Ron Bennioff (LEDS GP/GGBP), Carlo Carraro (GGKP Advisory Committee), Joseph Tinfissi Ilboundo (ECA), Hoseok Kim (GGGI), Hitomi Rankine (UNESCAP), Andrew Scott (DKN/ODI), Tim Scott (UNDP), Frank Sperling (AfDB), Rena van Berkel (UNIDO), Li Xiaoxi (Beijing Normal University), Soogil Young (GGKP Advisory Committee)

- **Objective of RC on Indicators and Metrics**: facilitate research for measuring inclusive green growth (IGG)
  - ➔ to better understand and monitor the interactions between economic growth, social development and environmental sustainability
  - ➔ guide green growth strategies and policies
- first discussions end of 2013 to define potential themes for new study based on first scoping paper

➔ **focus on how to measure IGG at country-level**

➔ **<u>Identify gaps and propose priorities in filling them</u>**

# The missing link

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## Measuring Inclusive Green Growth (IGG) at country level:

1. defining IGG measurement frameworks and potential indicators

1st scoping paper 2013

what to measure ???

2. stock-taking of indicators and initiatives for measuring IGG and existing data coverage -> GAPS

current work 2014

what are the gaps ???

3. filling the gaps by facilitating new investment in data collection and indicator development

future work

# Elements of new study

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| | |
|---|---|
| What are common approaches to measure IGG related aspects? | Look for patterns in existing IGG related measurement approaches: goals, methods, indicator selection criteria, and indicators used |
| What are the standard global data sources for IGG topics? | Identify multi-country data sources that are frequently used and cover IGG topics and discuss pros and cons |
| What national environmental –economic statistics are available ? | Identify statistical efforts at national level, including initiatives such as SEEA |
| What are the research gaps and priorities? | Using these analyses and expert input, identify a set of research gaps and priorities |

# Emerging Research gaps and priorities

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| | Challenges | Solutions |
|---|---|---|
| **1. Data** | - limited data in developing countries<br>- data on integrated environment-economic aspects weak<br>  - wealth and natural capital<br>  - green economic opportunities<br>  - resource productivity | - remote sensing<br>- crowd-sourcing<br>- accounting framework<br>- integration of environmental measures in household surveys |
| **2. Concepts** | - Resilience<br>- Environmental Goods and Services | - conceptual frameworks and definitions,<br>- clarity on limitations and problems |
| **3. Analytics** | - economic and distributional impacts of environmental protection and management | - macro- and micro-level analyses<br>- impact evaluation |
| **4. Methods** | - complex spatial relationships<br>- non-linearities and threshold effects<br>- valuation of ecosystem services<br>- future impacts | - spatially explicit models<br>- benefit transfer approach<br>- economic modelling |
| **5. Institutions** | - many different IGG related initiatives<br>- data collection capacity in weak institutional settings | - coordination/harmonization<br>- capacity building |

## Join the Community

- www.GreenGrowthKnowledge.org
- Follow the GGKP on **Twitter**: twitter.com/@GGKPlatform
- Discuss on **LinkedIn**: bit.ly/linkedinGGKP
- Subscribe to the GGKP **Knowledge Update**: bit.ly/KnowledgeUpdate