

2019 Programmatic Achievements

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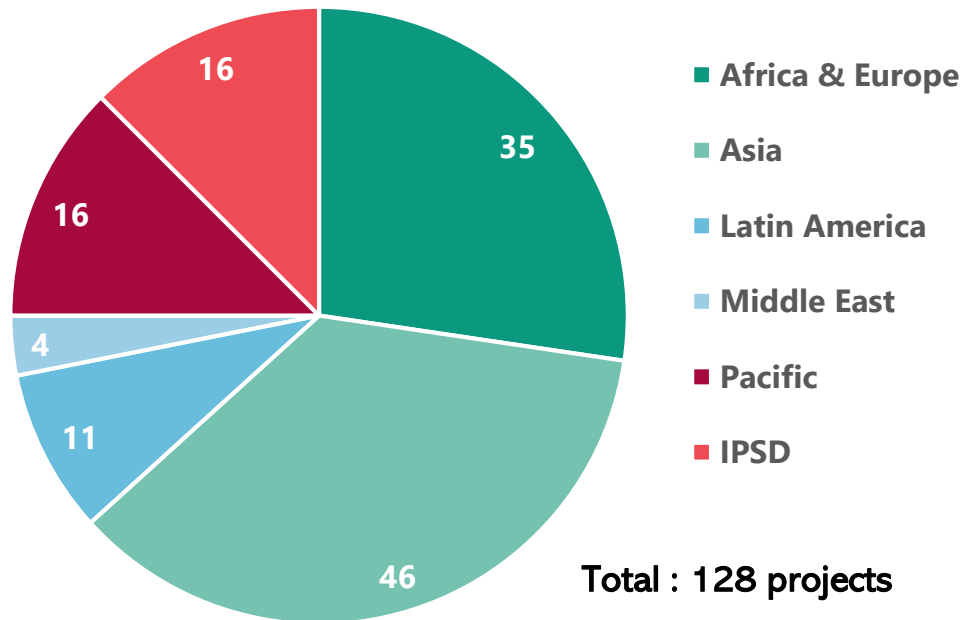
24 October 2019



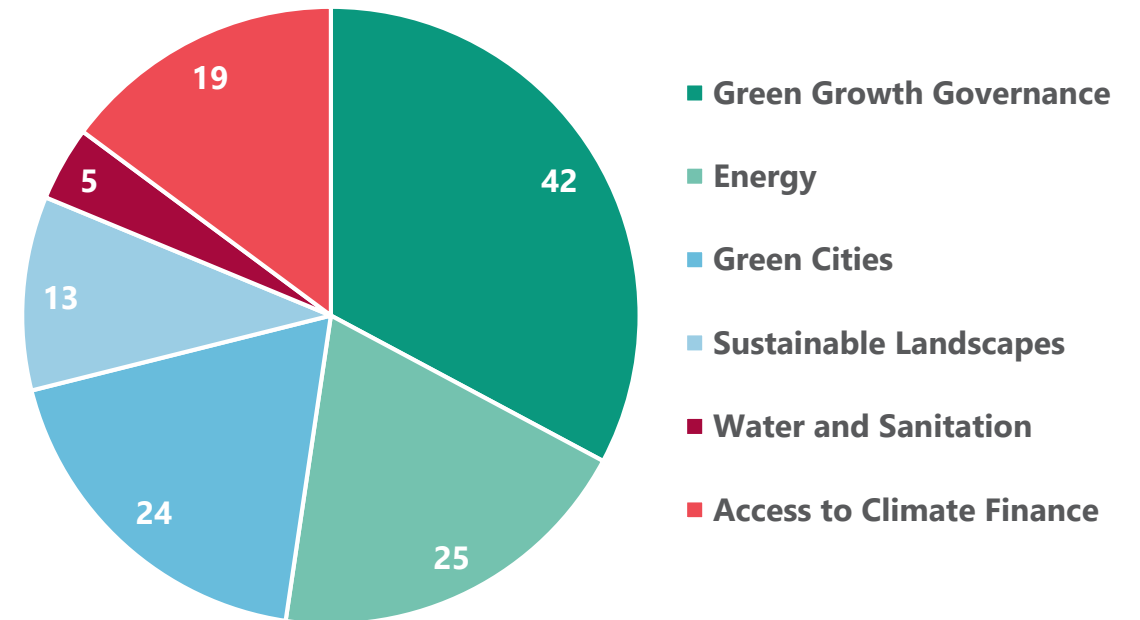
Overview of GGGI's project portfolio in 2019



No. of projects by region



No. of projects by thematic area



No. of projects by projected end date



GGGI's top 10 projects in 2019



Region	Country	Project Title	Donor	2019 Budget	Total Budget
Africa & Europe	Senegal	Green Secondary Cities Waste Management	Luxembourg	\$ 837,171	\$3,400,000
Africa & Europe	Uganda	Solar Home Systems (SHS)	Netherlands	\$ 635,110	\$1,000,000
Africa & Europe Asia	Senegal Nepal	Promoting city-wide inclusive sanitation Growth	Bill and Melinda Gates Foundation	\$ 570,723	\$1,648,101
Asia	Indonesia	GCF Readiness	Green Climate Fund	\$ 571,200	\$1,000,000
Asia	Indonesia	Indonesia Green Growth Program Phase II	Norway	\$ 7,556,830	\$ 19,723,611
Latin America	Colombia	Green Growth Project (2017-2019)	Norway	\$ 1,480,006	\$ 3,200,000
Middle East	United Arab Emirates	UAE Green Growth Initiative	United Arab Emirates	\$ 1,232,531	\$ 4,500,000
Pacific	Regional (Pacific)	Pacific Regional KOICA Project	KOICA	\$ 462,849	\$ 1,500,000
Pacific	Papua New Guinea	Climate Resilient Green Growth in PNG	Australia	\$ 943,454	\$ 4,411,940
Pacific	Vanuatu	Enhancing resilience to climate change through solar power-driven access to water in rural areas	Luxembourg	\$ 779,029	\$ 1,785,495

Green growth policy adoption



38 green growth policies are expected to be adopted in 2019 as a result of GGGI's work.

Some noteworthy examples detailed below:

Country	Policy adopted	Adoption Date
Indonesia	National Midterm Strategy (RPJMN) 2020-2024 The RPJMN 2020-2024 is the next 5-year National Development Plan for Indonesia, providing the government the main basis for development planning and policy for the coming 5-year period.	October 2019
Indonesia	NDC Roadmap 2020-2030 The Roadmap strategizes how it may achieve the emission reduction pledges of 29% (unconditional) and 41% (with foreign assistance) emission reduction by 2030.	July 2019
Lao PDR	National Green Growth Strategy NGGS sets the strategic direction to accelerate transition towards green development pathway, and deepen the country's commitment to more efficient and effective waste management, pollution control, natural resource management	February 2019
Rwanda	Green Building Minimum Compliance System The standards under the Green Building Minimum Compliance System will ensure sustainability and the efficient use of building material resources in Rwanda's construction sector.	April 2019

Green growth policy advisory outputs (1 of 2)



52 green growth policy advisory outputs are expected to be completed in 2019 by GGGI.

Some noteworthy examples are detailed below:

Country	Policy advisory output	(Expected) Completion Date
Ethiopia	Development of a Roadmap for Greening Industrial Parks This roadmap will guide public and private sector greening of industrial parks in Ethiopia, supporting low-carbon, green and environmentally-friendly growth.	December 2019
Jordan	Action Plan for Implementation of Jordan's National Green Growth Plan This output includes 6 sector and 1 cross-cutting Green Growth Action Plans, a National Green Growth Results Framework, and an M&E System. It will support Jordan to invest in its transition toward the green economy as a post-crisis growth approach.	December 2019
Peru	Municipality of Lima's Organic Waste Valorization Program GGGI is supporting the Municipality of Lima (MML) in their ambition to develop a waste to resources plant. As a first step, GGGI and the MML have prioritized organic waste for deeper analysis. To this end, GGGI will provide a detailed waste valorization assessment with recommendations for waste-to-resource and reduction of organic waste.	December 2019
UAE	UAE National Air Emissions Monitoring Project GGGI is working with the UAE government to develop and finalize an air pollutants emissions inventory, draft an air quality inventory methodology and a Future Forecast. The Forecast will consider all drivers of change in air quality and their interaction for the next 20-25 years, including policy, technology, urban growth, transport, population and climatic conditions.	December 2019

Green growth policy advisory outputs (2 of 2)



52 green growth policy advisory outputs are expected to be completed in 2019 by GGGI.

Some noteworthy examples are detailed below:

Country	Policy advisory output	Completion Date
Cambodia	Technology-based business model for fecal sludge management in Siem Reap City Through a mobile app and call center, the model proposes a platform to better match supply and demand and lower the cost of service through competitive bidding. It is designed to promote sanitary standards of services, enhance monitoring, combat illegal disposal and promote re-use through conversion into fertilizer for on-sale to farmers.	April 2019
India	Detailed assessment study of mainstreaming biogas for a selected municipality This output is a business case for Waste to BioCNG based on the organic waste generated from wholesale fruits and vegetable markets.	July 2019
PNG	Green Growth Potential Assessment (GGPA) The GGPA identifies 4 priorities for green growth in PNG: (i) increasing resilience toward adverse climate change impacts, (ii) deploying renewable energy to increase electricity access, (iii) improving agricultural productivity, and (iv) conserving forests. It provides recommendations in addressing these priorities, and recognizes the central role of the Climate Change and Development Authority can play in achieving the government's aspirations and in implementing the report recommendations.	July 2019

Project Alignment with Strategic Outcomes



In 2019, GGGI developed a bottom-up methodology for estimating the [ex ante impact](#) of its interventions.

A sample of estimations conducted by country teams for specific projects is shown below.

The estimates reflect the impact over the lifetime of the project.

GGGI Strategic Outcome	Intervention	Country	Project Title	Ex Ante Estimation of Impact
GHG emission reduction	Increasing energy efficiency in the housing sector	Mongolia	TTR Phase II-Development of Guideline for Standard Offer Program	0.8 MtCO2e of GHG emissions reduced from business as usual
Increased access to sustainable services	Increasing renewable energy share through utility scale solar PV projects	Guyana	Enhancing Guyana's Access to GCF to Transition to Renewable Energy	70,000 people to gain access to clean affordable energy
	Improved sanitation and wastewater management	Cambodia	Cambodia Wastewater and Sanitation	100,000 people to gain access to improved sanitation
	Improving municipal waste management	Senegal	Green Secondary Cities Wastewater, Plastic Waste and WEEE Management	900,000 people to gain access to sustainable waste management
	Electrifying public transport	Jordan	Electrifying Amman BRT	20,000 people to gain access to sustainable public transport
Adequate supply of ecosystem services ensured	Climate smart agriculture	Peru	Mitigating Deforestation in Peru through Land Use Formalization	100,000 ha of deforestation avoided and/or reforested

Other Key Results in 2019



Start new program in three member countries

- Papua New Guinea, Kiribati, Qatar

Mobilized resources from new donors

- Luxembourg, KOICA, SIDA, BEIS, Gates foundation, NAMA Facility, US Dep't of States(expected), NDC Partnership CAEP (expected)...

22 countries nominated GGGI as delivery partner of GCF readiness up to 2019

- Burkina Faso, Cambodia, Cote d'Ivoire, Ethiopia, Fiji, Guyana, Indonesia, Jordan, Lao PDR, Mexico, Mongolia, Morocco, Mozambique, Myanmar, Philippines, PNG, Rwanda, Senegal, Sri Lanka, Thailand, Uganda, Vanuatu

Key operational issues faced by programmatic teams



Localization vs International expertise

- Pressure for stronger localization of activities
- GGGI international expertise spreading best practice

Ability to operate in country contexts

- Host Country Agreements (HCA)
- Security concerns
- Specific language skills

Tension between government and donor demands

- GGGI embedded in governments, providing a trusted advisor role
- Government demands vs donor priorities

Balance of funding

- Regional inequality in funding availability
- LDCs vs MICs



2019 GGGI Investment Achievements

Key Investment Achievements in 2019



US \$ 177M

Indonesia:
Forest Carbon Partnership
Facility Emission Reduction
Project:

GGGI supported Government of Indonesia in project development and stakeholder engagements to enable USD \$177M towards jurisdictional emission reduction results in the province of East Kalimantan.

US \$ 15-18M

Fiji :
4.7 MW Solar PV Project in
Ovalau

GGGI developed a solar PV project to displace current diesel power plants which resulted in investor commitment from a private firm.

US \$ 20M

Colombia:
Palm Oil Waste to Energy
Project in Meta, 5.5MW

GGGI supported palm oil mill to mobilize US \$20 million in investments for the development of biomass energy plants.



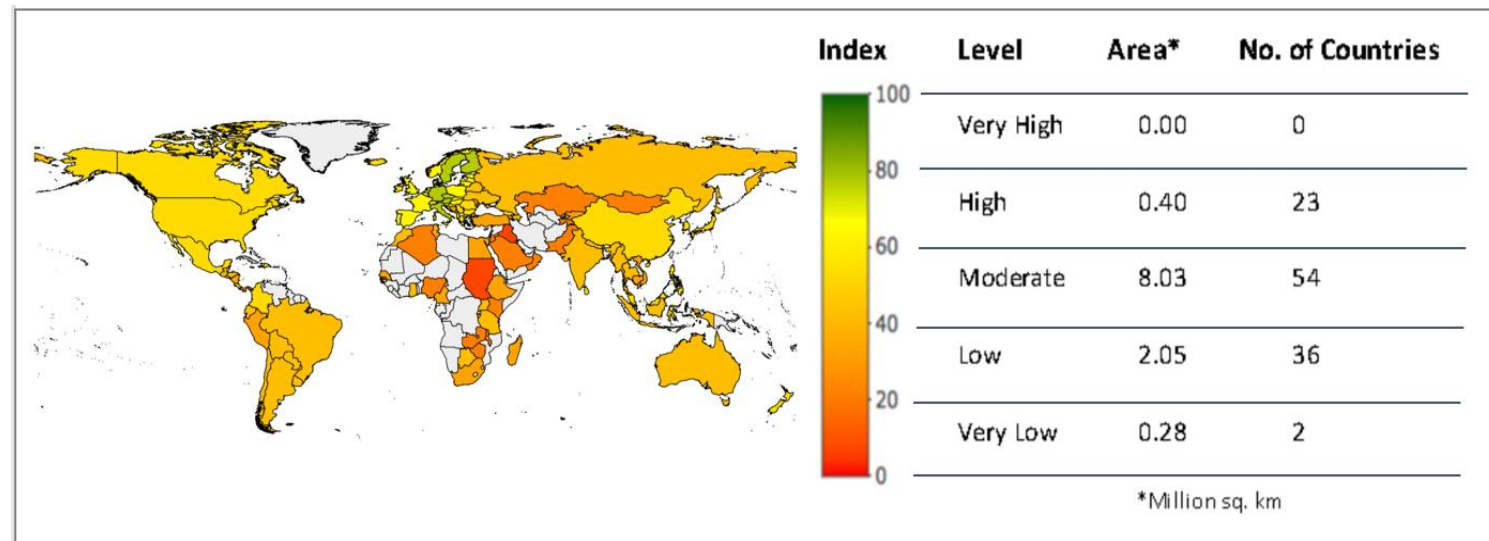
Green Growth Index, Simulation Tool and Presentation of Priorities for a Global Green Transformation

Priorities for a Global Green Transformation



Key Components

- Presents **10 Key Messages** on achieving green growth transformation
- Describes **key approaches and successes** in green growth policy, planning, and investment in sustainable energy, sustainable landscapes, improved water and sanitation, green cities, and climate change
- Presents **Green Growth Index** 2019 results and recent trends



10 Key Messages for Green Growth

A stylized tree graphic on the left side of the slide. It has a thick, dark grey trunk and several large, overlapping green circles of varying shades representing the foliage. The circles are arranged in a way that they appear to be part of the tree's canopy.

1 Model of economic growth

2 Green growth strategies

3 Greater social equity and equality

4 Resolving the climate crisis

5 Embracing sustainable energy and replacing fossil fuel

6 Reversing land degradation and ecosystem decline and improving food security

7 Managing water resources

8 Green transformation in cities

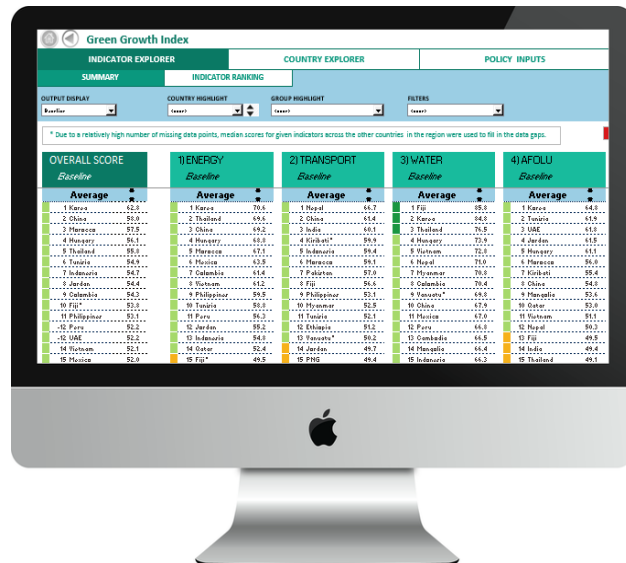
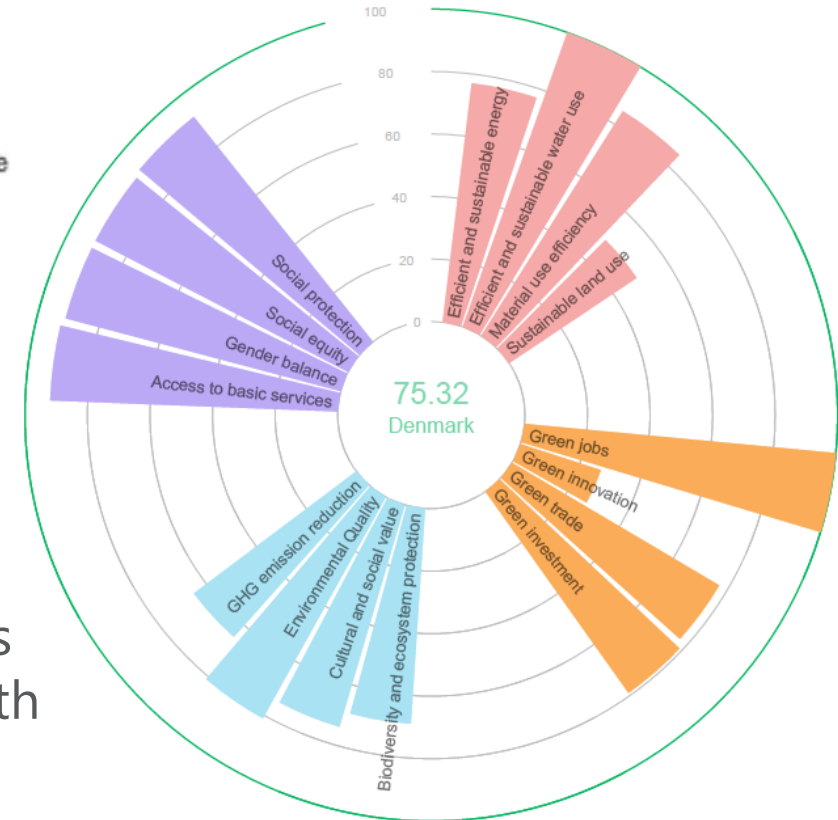
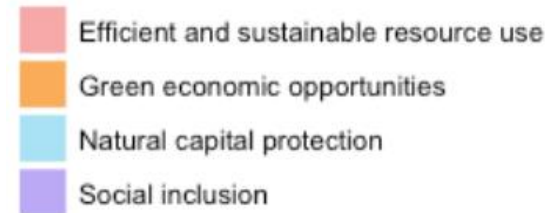
9 "Greening the infrastructure gap"

10 Green technology disruptions and smart solutions

Measuring Green Growth: The Green Growth Index and Simulation Tool



The **Green Growth Index** measures country performance in four dimensions of green growth. It is benchmarked against SDG, Aichi and other sustainability targets. A score of 100 means a country has reached the target.



The **Simulation Tool** provides possible scenarios on the impacts of policy changes on green growth performance. It consists of models that link policies to the 36 indicators of the Green Growth Index. A change in policy could change the indicator value and thus the Index score.

Measuring Green Growth: The Green Growth Index and Simulation Tool



Why is it important for GGGI to develop Green Growth Index?

- To provide GGGI Members with a concept-driven and evidence-based metric to assess impacts of green growth policy implementation and investments in their countries
- To contribute to the development of green growth concept and add to the global stock of green growth knowledge

Achievements and Ways Forward

- The 2019 Green Growth Index, which covers 115 countries, launched at GGGW on October 23, 2019
- GGGI is collaborating with the AfDB to develop African Green Growth Index and the UNEP to provide case study evidence on complementarity of the Green Growth Index and Green Economy Progress Index; similar opportunities will be planned for 2020
- The pilot version of the Simulation Tool will be improved and adapted to the final framework of the Green Growth Index on a country-by-country basis in 2020 (i.e. unlike the Index, the Tool will not have a global coverage)



GGGI's Work on Green Jobs

GGGI's Work on Green Jobs



GGGI's Work on Green Jobs:

1. Assessment of **direct and indirect green employment** of the green economy transition starting with Fiji, Vietnam and Senegal;
 - Cooperating Partners: ILO, ILSSA, ANSD, Government of Fiji
2. Assessment of the **Renewable Energy (RE) Employment effects** under the **NDC RE targets** in Indonesia, Mexico, and Rwanda;
 - Cooperating Partners: ILO, IRENA, UNIDO, NCI, ECN, IASS/GIZ, AIT

GGGI's Ambitions on Green Jobs and Next Steps

- Support other GGGI countries on conducting green jobs assessment
- Integrate green jobs assessment in the revision of NDCs and development of LEDS of GGGI countries



The Fijian Government



Institute for Advanced Sustainability Studies



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



International Renewable Energy Agency



Asian Institute of Technology

Thank You
