

Joint Programmatic Progress: GGPI & IPSD

Q1-3 2019

Summary of Updates during Q1 to Q3 2019

Green Investment in 2019	
Investment Portfolio Size:	USD 221.5 M
Projects in the Portfolio:	<ul style="list-style-type: none"> Philippines: Electric Trikes for Palawan's Climate Resilient Green Growth (100 E-trikes worth USD 910K) Indonesia: Forest Carbon Partnership Facility Emission Reduction Project (USD 177 million – conditional commitment) Fiji: Solar PV Project in Ovalau, 4.7 MW (USD 15-18M) Colombia: Palm Oil Waste to Energy in Meta, 5.5MW (USD 20M) Guyana: Design of three PV-tied mini grid systems (USD 8.6M)
Investment Pipeline Size (2019-2020):	USD 899.3 M

Summary of Policy Advisory Assignments and Policies adopted in 2019

Region	Policy advisory assignments to be completed in 2019	Policy advisory assignments completed as of September 2019	Policies for Adoption in 2019	Policies adopted as of September 2019
AME	7	1	6	1
Asia	29	6	19	10
LAC	2	0	2	0
Middle East	4	0	0	0
Pacific	10	2	0	0
Total	52	9	27	11

Legend	
(*)	First Phase Investment Target
	Africa
	Asia
	Latin America
	Middle East
	Pacific

Investment Portfolio 2019

	Africa
	Asia
	Latin America
	Middle East
	Pacific

Portfolio

No.	Country	Sector	Title	Investment Size (US\$ M)
1	Philippines	Cross-cutting	Electric Trikes for Palawan's Climate Resilient Green Growth	0.91
2	Indonesia	Landscape	Forest Carbon Partnership Facility Emission Reduction Project (Conditional commitment)	177
3	Fiji	Energy	Solar PV Project in Ovalau, 4.7 MW	15-18
4	Colombia	Energy	Palm Oil Waste to Energy in Meta, 5.5MW	20
5	Guyana	Energy	Design of three PV-tied mini grid systems	8.6
Total Investment Portfolio Size in 2019				US\$ 221.5 M

Investment Pipeline 2019-20

No.	Country/Region	Sector	Title	Investment Size (US\$ M)
New Projects for 2019 (A)				
1	Ethiopia	Water	Climate Insurance Acceleration Fund	3.5*
2	Ethiopia	Water	Development of Climate-resilient WaSH in 13 Drought-prone Areas	85
3	Ethiopia	Energy	Business Case for Solar PV (Energy) Investment at the Adama Industrial Park	15 (TBC)
4	Ethiopia	Water	Sustainable Industrial WW Sludge Management at the Ethiopian Industrial Parks	TBD
5	Ethiopia	Landscape	Beyond self-sufficiency in a changing climate: introducing climate-smart irrigated wheat systems in the Ethiopia	TBD
6	Morocco	Cross-cutting	Establishment of a National Financing Vehicle and capacity building program	10*
7	Rwanda	Landscape	Rwanda Tea Plantation, Supporting 8,000 Small-scale Farmers	23

(*): First phase

Investment Pipeline 2019-20 (cont.)

	Africa
	Asia
	Latin America
	Middle East
	Pacific

No.	Country/ Region	Sector	Title	Investment Size (US\$ M)
New Projects for 2019 (A)				
8	Uganda	Landscape	Building Climate-resilient coffee value chain with diversification of production – NUCAFE	10
9	Uganda	Water	Sustainable irrigation schemes for commercial farmers	5
10	Uganda	Cross-cutting	Uganda Green Investment Facility (UGIF)	0
11	Uganda	Green Cities	Increasing Solid Waste Diversion and Recycling in Kampala	TBC
12	Cambodia	Water	National Sanitation Vehicle	3
13	Cambodia	Energy	Facilitating Energy Efficiency in Cambodian SMEs	3
14	Cambodia	Energy	Waste to Fuel Auction: Refuse-Derived-Fuel plant in Phnom Penh	10
15	India	Energy	Utility scale 150MW ground mounted solar PV project for new highway corridor in Maharashtra – India	120
16	Indonesia	Landscape	Sustainable Coconut Sugar Production to Improve Livelihoods in Indonesia	8
17	Indonesia	Energy	Commercial viability of biogas applications in Central and East Kalimantan	TBC
18	Indonesia	Landscape	Peat-bonds: Enabling Large Scale Peatlands Restoration in Indonesia	50
19	Indonesia	Landscape	Sukuk finance for sustainable peatlands restoration in Sebangau National Park	5-10
20	Lao PDR	Green Cities	Development of Green Cities in Lao PDR – KOICA proposal	2.3
21	Lao PDR	Green Cities	Low carbon vehicles for the Bus Rapid Transit system in Vientiane	26
22	Lao PDR	Green Cities	Business case for electric motorcycle support program in Vientiane	20
23	Lao PDR	Energy	Technical support to prepare a solar auction in Lao PDR	40
24	Mongolia	Energy	Low Carbon Heat only boilers in Public Buildings	0.3
25	Mongolia	Energy	Promoting Energy Efficiency and ESCO Development in Mongolia	10
26	Mongolia	Green Cities & Energy	Thermo-Technical Retrofitting for Residential Buildings (TTR Phase 2) – Designing of Standard Offer Program	20*
27	Myanmar	Cross-cutting	Rice-Husk-To-Power Leasing Finance Facility	20*
28	Myanmar	Cross-cutting	Distributed Ledger Technology Powered Improved Cookstoves Finance Facility	20*

(*): First phase

Investment Pipeline 2019-20 (cont.)

	Africa
	Asia
	Latin America
	Middle East
	Pacific

No.	Country/ Region	Sector	Title	Investment Size (US\$ M)
New Projects for 2019 (A)				
29	Nepal	Green Cities	Electric Mobility Program, Phase II	3
30	Philippines	Energy	Bataan 50MW Solar Farm Project, Philippines	50
31	Viet Nam	Cross-cutting	Promoting Greenovations through SMEs and start-ups	2.2
32	Peru	Landscape	Mitigating Deforestation in Peru through Incentives for Agroforestry Concessions	7
33	Fiji	Energy	Solar PV for Low-Income Housing, 750KW	1
34	Fiji	Energy	Solar for Small Off-grid Hotels, 500kW – 1MW	5-10
35	Papua New Guinea	Energy	Greening 1000 telecommunication towers for PNG - a fuel switch project	20-25
36	Papua New Guinea	Landscape	Guarantee Facility for Climate-Resilient Agriculture in PNG	15
37	Vanuatu	Energy	National Green Energy (NGEF) Fund: Operationalizing investment and Exit Strategy	15
Estimated Total Investment Mobilized by End of 2019-20 with New Projects (A):				US\$627.3M

(*): First phase

Investment Pipeline 2019

	Africa
	Asia
	Latin America
	Middle East
	Pacific

Projects from 2017-2018						
No.	Country	Sector	Title	Investment Size (US\$ M)	Expected Completion	Reason for Nov/Dec due dates
1	Jordan	Cities & Energy	Solar-powered Electric Vehicles for Amman Bus Rapid Transit System	30	in 2020	The updated ridership surveys and recalibration of their model will be done in October/November and the new draft of the report will be delivered by the beginning of next year.
2	Senegal	Energy	Senegal Renewable and Efficient Energy Fund	52*	December 2019	AfDB commitment is contingent upon GCF financing which requires more time.
3	India	Energy	Access to Clean Energy (ACE) Fund – GCF proposal	60	TBC	GCF recommended fundamental changes to the agreed design by IREDA Board, the management is reluctant in uptake of the GCF Fund as they apprehend that cost of loan for final off-taker will go beyond 10% (maximum limit of financial viability for off-grid companies) and thereby impact loan offtake. Further, the off-grid market is also facing uncertainty in view of Government of India's announcement to have all households connected by grid power. IREDA is thus planning to take the revised proposal back to its board for their guidance. The timelines for approvals cannot be ascertained at the moment. GGGI is supporting IREDA in GCF's technical evaluations. Once the guidance from IREDA Board is obtained, GGGI can help IREDA in restructuring of the fund.
4	Mongolia	Cross-cutting	Mongolia Green Finance Corporation	40	November 2019	Although two letters of commitment were obtained by GoM and commercial banks to invest into MGFC (\$10mn in total), both shareholder groups are expecting GCF's approval of the funding proposal before incorporating the vehicle. Seed capital has not yet been injected into MGFC. It is now likely the GoM would seek to establish MGFC in 2019, prior to the resubmission of the funding proposal to GCF, due for the 23rd Board Meeting of GCF.

(*): First phase

Investment Pipeline 2019 (cont.)

	Africa
	Asia
	Latin America
	Middle East
	Pacific

Projects from 2017-2018						
No.	Country	Sector	Title	Investment Size (US\$ M)	Expected Completion	Reason for Nov/Dec due dates
5	Thailand	Cities	E-waste Treatment Finance facility	10	December 2019	Although the project was approved in 2018 via PIN process, the targets were specified was \$10mn in 2019 as an initial capitalization of the finance facility in and \$40mn in 2020. To be inserted to 2019 pipeline.
6	Vietnam	Energy	Distributed Solar Rooftop Leasing Facility for Industrial Parks	20*	December 2019	The PIN has been approved in June 2018, and GGGI has kicked off the legal assessment on the regulatory framework and appropriate structure and in Q4 2018. In 2019, GGGI continue developing the financing structure with the aim to have a mandate with a local bank/industrial park in Q2 2019 and expect to raise \$20m in the 1st closing for the SLFF by end 2019.
7	Vietnam	Cities	Industrial-Scale Municipal Solid Waste to Energy Project	60	December 2019	The PIN has been approved in June 2018, and GGGI has kicked off the due diligence process among the project developers since Q4 2018. GGGI expects to sign a mandate with a project develop in January 2019 and aim to have the financial mobilization by end 2019.
Estimated Total Investment Mobilized by End of 2019 (B):				US\$ 272M		

Green Investment in 2019-20

Investment Pipeline Size (A)+(B): US\$ 899.3 M

(*): First phase

Policy advisory assignments to be completed in 2019 – Africa and Europe

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
Burkina Faso	Supporting Sustainable Landscape and scaling up of Ecovillages development model	Sustainable Landscapes	Program for operationalizing the Ecovillages initiative developed	Completed in September 2019	
	Green Secondary cities guideline formulation	Green Cities	Green City Guidelines developed	December 2019	
Ethiopia	Development of a Roadmap for “Greening the Industrial Parks” in Ethiopia	Cross-cutting	Development of a Roadmap for the Greening of Industrial Parks in Ethiopia	April 2019	December 2019
	Large Scale Commercial Agriculture Strategy	Sustainable Landscapes	Development and design of the Large-Scale Commercial Agriculture Strategy	July 2019	TBC (this project is on hold due to change in government focus)
Jordan	Implementation Support to the National Green Growth Plan of Jordan	Cross-cutting	Developing 6 sector & 1 cross-cutting Green Growth Action Plans; National Green Growth Results Framework; and M&E System.	July 2019	December 2019 (project was approved for extension in July)
Mozambique	Support GoM on reviewing and updating Green Economy Action Plan for 2020-2025	Cross-cutting	Green Economy Action Plan Report Updated	December 2019	
Senegal	Green Growth Pathways in Senegal	Cross-cutting	Green Jobs Modeling and Green Skills Gap Assessment submitted to the Government of Senegal	February 2019	December 2019

Policy advisory assignments to be completed in 2019 – Asia

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
Cambodia	Cambodia Wastewater and Sanitation	Water and Sanitation	Business model for fecal sludge management in Siem Reap	Completed in April 2019	
			business models for improved wastewater management	December 2019	
			Policy recommendation formulated	December 2019	
	Cambodia solid waste	Green Cities	Detailed and costed recommendations and business models for the establishment of an efficient waste recycling system in Battambang developed and disseminated	Completed in July 2019	
Policy recommendations provided to the department of solid waste management of the Ministry of Environment			December 2019		
China	Research Study on Climate Change Opportunities in South-South and North-South-South Context	Energy	Policy and recommendation on climate change opportunities in South-South and North-South-South context in EU, China, Cambodia, Lao PDR, and Myanmar	October 2019	December 2019
India	Green Growth through INDC (Danish Mini Grant Facility on Waste to Energy)	Energy	Detailed assessment study of mainstreaming biogas for a selected municipality	Completed in July 2019	
	Climate-resilient and gender inclusive MGNREGA based on Mission Water Conservation	Water and Sanitation	A results Based management framework created for MGNREGA / Mission Water Conservation (i.e. water conservation, livelihoods and gender, climate resilience)	Completed in June 2019	

Policy advisory assignments to be completed in 2019 – Asia

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
India	Climate-resilient and gender inclusive MGNREGA based on Mission Water Conservation	Water	Climate vulnerability assessment and gap analysis with recommendations for MGNREGA / Mission Water Conservation program developed	Completed in June 2019	
	Advancing climate resilient tea production and sustained livelihoods for small tea growers with emphasis on women laborers in Assam and West Bengal, India.	Sustainable Landscapes	Integration of low-carbon and climate-resilient strategies for tea value chain into the State Action Plan on Climate Change for the states of Assam and West Bengal	August 2019	March 2020
		Sustainable landscapes	Carbon footprint analysis for the tea sector and corresponding climate change mitigation strategies.	Completed in March 2019	
		Sustainable Landscapes	Detailed participatory and gender focused list of prioritized climate change adaptation and mitigation actions.	April 2019	March 2020
Indonesia	Indonesia Green Growth Program Phase II	Green Cities	A new ECBA study on SEZ Bitung has been launched in Q4 2018, later than planned. As a result, technical recommendations are not expected to be finalized before Q2 2019.	May 2019	December 2019
			A separate set of guidelines on incentives and instruments - as a technical complement/appendix to the Green SEZ Guidelines - is postponed to 2019.	September 2019	December 2019
		Sustainable Landscapes	Legislative process and consultation with Central Government for RPJMD's 5 districts	April 2019	December 2019
			Diagnostic tool for the monitoring of the performance of Forestry Management Units (FMU) will be adopted in the form of a Ministerial regulation	December 2019	December 2019

Policy advisory assignments to be completed in 2019 – Asia

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date(month 2019)	(Revised) Expected Completion Date (Month 2019)
Mongolia	NDC Update- Waste and IPPU sectors	Cross-cutting	NDCs' Update - Support to MET in the modelling of emission pathways in the Waste and IPPU sectors.	December 2019	
	Promoting Energy Efficiency and ESCO development in Mongolia	Energy, Green Cities	Improved Policy Environment to promote energy efficiency at national and subnational level	December 2019	
	Mongolia Renewable Energy Absorption Project	Energy	Regulatory support for the development of regulations and specifications for battery storage	December 2019	
	Sectoral Analysis for NDC Update 2020 of Mongolia - Waste Sector	Green cities	Transparent GHG emission pathway is developed using PROSPECT Model and integrated into the NDC Document.	July 2019	December 2019
			Sectoral Chapters of NDC Document is developed	September 2019	December 2019

Policy advisory assignments to be completed in 2019 – Asia

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date(month 2019)	(Revised) Expected Completion Date (Month 2019)
Myanmar	Mangrove Restoration Program in Myanmar	Sustainable Landscapes	Policy interventions to create enabling environment for investment in mangrove restoration	December 2019	
			Financial assessment and business model design of selected value chains	December 2019	
Philippines	Climate Resilient Green Growth Project	Cross-cutting	Mobilized US\$ 910,000 as of form of 100 e-tricycles from the Department of Energy, funded by ADB, to the municipalities of Brooke’s Point and San Vicente, Provincial government of Palawan as a result of technical advice and project structuring capacity provided by GGGI	Completed in April 2019	
Thailand	Transitioning to Green and Smart City: Case Study of AMATA	Green cities	Assessment of green and smart city model and recommendations	May 2019	December 2019
			Project pipeline identification	May 2019	January 2020
	Initiative for Climate Action Transparency (ICAT)-MRV systems especially for industry and buildings	Cross-cutting	MRV in the Industrial Sector	August 2019	December 2019
			MRV in the Building Sector	September 2019	December 2019
Viet Nam	Transitioning to a new model of urban development in Viet Nam	Green cities	Report submitted and endorsed by Office of the Government on: “Transitioning to a new model of urban development in Viet Nam”	December 2019	

Policy advisory assignments to be completed in 2019 – Latin America

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
Colombia	Colombia - GGGI Green Growth Project (2017-2019)	Cross-cutting	Subnational level green growth investment portfolios and performance assessment tools delivered to policy-makers and Government entities	October 2019	December 2019
		Cross-cutting	Proposals for attaining selected Policy design and implementation (Modality 1) milestones identified during 2016, under Colombia's Joint Declaration of Intent with international Government partners for reducing GHG through REDD+ and the promotion of sustainable development (DoI) submitted	October 2019	December 2019

Policy advisory assignments to be completed in 2019 – Middle East

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Adoption Date(month 2019)	(Revised) Expected Adoption Date (Month 2019)
UAE	UAE National Climate Adaptation Program	Cross-cutting	Sectoral climate change adaptation action plans developed (health, energy, infrastructure, environment)	December 2019	
		Cross-cutting	Adaptation mainstreaming report developed, highlighting GGGI's contribution to Ministry of Infrastructure Development	December 2019	
	UAE National Air Emissions Monitoring Project	Green Cities	Unified methodology on air emissions inventory adopted in all emirates	December 2019	
		Green Cities	Air quality future forecast developed	December 2019	

Policy advisory assignments to be completed in 2019 – Pacific

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date(month 2019)	(Revised) Expected Completion Date (Month 2019)
Fiji	Fiji - Supporting the Implementation of the Green Growth Framework for Fiji - Phase 2	Energy	Energy policy and action plan developed in line with the new NDP and integrating green growth principles (building on green growth inputs into the energy chapter of the NDP, Output A, WPB 2015-2016 and request from the Department of Energy made in 2016).	December 2019	2020 (TBD)
		Energy	Rural electrification project implementation support in line with new NDP and integrating green growth principles (building on green growth inputs into the energy chapter of the NDP, Output A, WPB 2015/2016 and request from the Department of Energy made in 2016).	December 2019	
		Energy	Policy, regulatory and incentives assessment and capacity building for implementation of Green Energy Projects in alignment to GIS output B and GGPI outputs C & D conducted (building on Outputs A & B of WPB 2015-2016)	December 2019	
	Green Jobs Assessment Phase II	Cross-cutting	Green jobs analysis completed	April 2019	October 2019
Kiribati	Development of an Agricultural Addendum to the Kiribati national Plan KV20	Sustainable landscapes	Agriculture strategy reviewed and finalized	November 2019	
PNG	Green Growth Potential Assessment	Cross-cutting	GGPA for PNG completed	Completed in July 2019	

Policy advisory assignments to be completed in 2019 – Pacific

Country	Project Title	Sector	Policy Advisory Assignments for completion in 2019	Expected Completion Date (Month 2019)	(Revised) Expected Completion Date (Month 2019)
PNG	Supporting improved policy settings for renewable energy and energy efficient technology uptake in Papua New Guinea	Energy	Finalization of energy sector policy analysis	Completed in July 2019	
	Readiness support to strengthen PNG's engagement with the GCF	Cross-cutting	NOL procedure and NDA Operational Manual Development	December 2019	
			Feasibility Study report on private sector mobilization	December 2019	
Vanuatu	Review of the National Energy Road Map - Implementation Plan (NERM-IP)	Energy	Policy advisory assignment to be completed in 2019: Complete Review of the National Energy Road Map - Implementation Plan (NERM-IP) aligned with the Vanuatu NDC Road Map. The updated NERM-IP will be used by the Government, energy suppliers and development agencies as it will serve as a guide for alignment of resources, programs and activities with national energy priorities.	December 2019	

Policies anticipated/expected for adoption in 2019 – Africa and Europe

Country	Project Title	Sector	Policies anticipated for adoption in 2019	Expected Completion Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
Burkina Faso	Supporting Sustainable Landscape and scaling up of Ecovillages development model	Sustainable Landscapes	National strategic document on the program for operationalizing the Ecovillages initiative is adopted including the investment program and leverage it for funding	December 2019	
Ethiopia	Large Scale Commercial Agriculture Strategy	Sustainable Landscapes	Agribusiness adopts the validated Agribusiness Strategy	December 2019	
Jordan	NGGP Action Planning	Cross-cutting	NGGP is mainstreamed into sectoral planning process for each of the 6 NGGP sectors through 2030	December 2019	
Rwanda	Green Infrastructure Planning and Delivery (GIPD)	Green Cities	Rwanda Green Building Minimum Compliance System for large-scale buildings adopted through Ministerial Orders determining Urban Planning and Building Regulations	Completed: Statement on Cabinet Decisions of 3 April 2019	
Uganda	Unleashing the Potential of Uganda's Economy through Green Growth	Energy	Regulatory Impact Assessment for the Energy Efficiency Conservation Bill 2018	March 2019	Q4 2020
		Green Cities	National Urban Solid Waste Management Policy	March 2019	Q4 2020

Policies anticipated/expected for adoption in 2019 – Asia

Country	Project Title	Sector	Policies anticipated for adoption in 2019	Expected Adoption Date (month 2019)	(Revised) Expected Completion Date (Month 2019)
Indonesia	Indonesia Green Growth Program Phase II	Energy	The final East Kalimantan General Planning for Regional Energy document (RUED) to be issued	August 2019	December 2019
			The final Central Kalimantan General Planning for Regional Energy document (RUED) to be issued	August 2019	December 2019
		Green Cities	Issuance of Green SEZ Handbook, incl accompanying policy papers, and Green Growth Guidelines	November 2019	December 2019
		Sustainable Landscapes	The EK Long-Term Forest Management Plan (RPHJP) will be submitted by Provincial Government for legislative approvals	Completed in December 2018	
			Five (5) District RPJMD's 2019-2023 in CK will enter into the legislative process and consultation with Central Government in Q1 2019, to be ratified in 2019.	Completed in March 2019	
			The National Medium-Term Development Plan (RPJMN) will be finalized and adopted in the second half of 2019.	Completed in June 2019	
			Issuance of the Long-Term Forest Management Plan (RPHJP) of 12 FMU's in EK	Completed in August 2019	
			Issuance of policy (diagnostic tool) to measure the performance of FMU and its procedure for implementation	December 2019	
			Further roll out of the draft of the NDC Roadmap for implementation has been finalized in 2018 to support MOEF	Completed in August 2019	
			The 2 nd Biennial Update Report (BUR) to the UNFCCC (the BUR will be finalized early 2019)	Completed in December 2018	
			The EK Medium-Term Sectoral Strategic Plan (RENSTRA) 2019-2023 to be finalized	Completed in March 2019	
Cross-cutting	"The Establishment of NDA GCF Secretariat" Chairman of Fiscal Policy Agency will be issued in Dec. 2019; this includes the Standard of Procedures (SOP) for No-Objection Letter issuance.	Completed in January 2019			

Policies anticipated/expected for adoption in 2019 – Asia

Country	Project Title	Sector	Policies anticipated for adoption in 2019	Expected Adoption Date(month 2019)	(Revised) Expected Adoption Date (Month 2019)
Lao PDR	National and Subnational Planning, Financing, and Budgeting for Green Growth	Green cities	Vision to 2030 and Urban Development Strategy for 10 years (2016-2025) and investment plan for 4 years (2017-2020) is expected to adopted in 2019	December 2019	
			National Green Growth Strategy of the Lao PDR is expected to be adopted in 2019	Completed in February 2019	
			“National Strategy for Urban Sanitation 2016-2030” is expected to be adopted in 2019	December 2019	
Mongolia	Transition to Green Development – Phase 2	Energy	Cabinet approval of Standard and Labeling regulation for energy efficient appliances	2019 (month TBD)	2020
Myanmar	Implementation of the INDC	Cross-cutting (Energy, Green Cities, Sustainable Landscapes, & Water)	Myanmar Climate Change Strategy (2018-2030) approved by President Office in Q4 2018, but to still be submitted to Cabinet for approval.	Completed in July 2019	
Myanmar	Implementation of the INDC	Cross-cutting (Energy, Green Cities, Sustainable Landscapes, & Water)	Myanmar Climate Change Master Plan (2018-2030) approved by President Office in Q4 2018, but to still be submitted to Cabinet for approval.	Completed in July 2019	
Thailand	Transitioning to Green and Smart City: Case Study of AMATA	Green cities	Green and Smart City’ Best Practice is expected to be formulated and recommendations to AMATA City Chonburi would be adopted in 2019. This is potentially enhancing AMATA’s vision “Smart and Eco City” to its existing and future estates in the region: in Vietnam, Laos and Myanmar.	June 2019	December 2019

Policies anticipated/expected for adoption in 2019 – Latin America

Country	Project Title	Sector	Policies anticipated for adoption in 2019	Expected Adoption Date(month 2019)	(Revised) Expected Adoption Date (Month 2019)
Peru	Identifying Synergies between Green Growth Actions Across National Strategies and Implementing Priority Options	Cross-cutting	Approval of the National Green Growth Strategy as part of the National Competitiveness Policy and National Competitiveness Plan	June 2019	December 2019
		Sustainable landscapes	Adoption of the National Forest and Wildlife Plan	June 2019	December 2019

Status Overview of Project Ideas Submitted in 2019

#	Sector	Country	Project Idea List	Submission Date	Status
1	Water	Lao PDR	Preparatory work for the KOICA project on wastewater and solid waste management	January 2019	Approved
2	Energy	Lao PDR	Solar Pilot Auction	January 2019	Approved
3	Sustainable Landscape	Ethiopia	Climate Positive Cotton-Garments Supply Chain	January 2019	Not approved till H&M makes financial contribution
4	Energy	Mongolia	Low carbon heating alternatives for public buildings	January 2019	Approved
5	Energy	Mongolia	Promoting Energy Efficiency and ESCO Development in Mongolia	January 2019	Approved
6	Energy	Mongolia	Renewable Energy Absorption Project in Mongolia (REAP) – Phase 2	January 2019	Approved
7	Energy	Mongolia	Solar Powered Petrol Stations in Mongolia	January 2019	Pending
8	Sustainable Landscape	Peru	Mitigating Deforestation in Peru through Incentives for Agroforestry Concessions	January 2019	Approved
9	Cross-cutting	Mongolia	Support to the revision of Mongolia's NDC in the Waste and IPPU sectors	January 2019	Approved
10	Energy/Cities	Lao PDR	Low carbon vehicles for the Bus Rapid Transit in Vientiane	January 2019	Approved
11	Sustainable Landscape	Uganda	Building a climate-resilient value chain with adaptation and mitigation options for coffee producing smallholders	January 2019	Pending
12	Sustainable Landscape	Kiribati	Development of an Agricultural Strategy as an Addendum to Kiribati's National Development	February 2019	Approved
13	Water	Cambodia	Cambodia Wastewater Program	February 2019	Approved
14	Sustainable Landscape	Burkina Faso	Supporting Sustainable Landscape and scaling up of Ecovillages development model	February 2019	Approved
15	Cities	Burkina Faso	Green cities guideline and roadmap formulation	February 2019	Approved
16	Cross-cutting	Burkina Faso	Green growth governance - Long-term capacity-building to support climate change dev. Initiatives	February 2019	Approved

Status Overview of Project Ideas Submitted in 2019

#	Sector	Country	Project Idea List	Submission Date	Status
17	Sustainable Landscape	Myanmar	Development of investment case for coastal landscape mangrove restoration in Myanmar	March 2019	Approved
18	Water	Uganda	Development of affordable and sustainable financing solution for sanitation sector in Uganda	March 2019	1 st Phase approved
19	Energy	PNG	Greening 1000 telecommunication towers for PNG - a fuel switch project	March 2019	Approved with condition
20	Cross-cutting	Myanmar	Development of MRV Capacity Building Program for Myanmar	March 2019	Approved
21	Energy	India	Greening the new expressways for India (Nagpur – Mumbai Expressway)	March 2019	Approved
22	Energy	Indonesia	Commercial viability of Biogas applications in Central and East Kalimantan	April 2019	Approved
23	Sustainable Landscape	Indonesia	Sustainable Coconut Sugar Production to Improve Livelihoods in Indonesia	April 2019	Approved
24	Energy	Philippines	Bataan 50MW Solar Farm Project, Philippines	April 2019	Approved
25	Sustainable Landscape	Ethiopia	Beyond self-sufficiency in a changing climate: introducing climate-smart irrigated wheat systems in the Ethiopia	April 2019	Approved
26	Energy	Vanuatu	National Green Energy (NGEF) Fund: Operationalizing investment and Exit Strategy	April 2019	Approved
27	Green Cities/Energy	Nepal	Nepal Electric Mobility Program	April 2019	Approved
28	Energy	Indonesia	Pre-Feasibility Study – technical and commercial viability of community-based bamboo gasification power plant project in Ponu City Region, East Nusa Tenggara province (NTT)	April 2019	Approved
29	Energy	Cambodia	Waste to Fuel Auction: Refuse-Derived-Fuel plant in Phnom Penh	April 2019	1 st Phase approved
30	Energy	Senegal	Green Governance in Senegal - REEF (To be split to two PINs and come back to Lasse for review)	May 2019	Approved with condition

Status Overview of Project Ideas Submitted in 2019

#	Sector	Country	Project Idea List	Submission Date	Status
31	Green Cities	India	PIN Review Meeting: Incorporating Green Housing into rural housing scheme of Government of India; Pradhan Mantri Aawas Yojana-Gramin (PMAY-G)	May 2019	Approved
32	Energy	Mongolia	TTR Phase II-Development of Guideline for Standard Offer Program	May 2019	Approved
33	Energy	Indonesia	Comprehensive Review and Bankability Analysis on Existing Feasibility Study of Waste-to-Energy project in Luwuk Banggai Regency, Central Sulawesi Province	May 2019	Pending
34	Green Cities	Senegal	Senegal Green Secondary City Development Program	May 2019	Pending
35	Energy	Cambodia	Facilitating Energy Efficiency in Cambodian SMEs	May 2019	Approved
36	Cross-cutting	Mozambique	Green Economy Action Plan	May 2019	Approved
37	Green Cities	Peru	Municipality of Lima's Organic Waste Valorization Program	May 2019	Approved
38	Green Cities	Cambodia	Green City Capacity Development	May 2019	Approved
39	Water	India	Decentralized Wastewater Treatment and Reuse	June 2019	Approved
40	Cross-cutting	Uganda	Uganda Green Investment Facility (UGIF)	June 2019	Approved
41	Cross-cutting	Mexico	Support Ministry of Finance to access green funds	June 2019	Approved
42	Cross-cutting	Lao PDR	Lao PDR Mainstreaming inclusive growth_MRV	July 2019	Approved
43	Landscape	Indonesia	Sukuk finance for sustainable peatlands restoration in Sebangau National Park	June 2019	Approved
44	Cross-cutting	Guyana	Improvement of Guyana MRV Scheme in Transportation Sector	July 2019	Approved
45	Energy	Lao PDR	National Energy Efficiency Program at Industrial Facilities	July 2019	Conditional approval
46	Cross-cutting	Mongolia	National Green Development Policy mid-term implementation review and report	July 2019	No budget
47	Cross-cutting	OECS Countries	Support for OECS policy analysis and project development on energy resilience	July 2019	Conditional approval

Status Overview of Project Ideas Submitted in 2019

#	Sector	Country	Project Idea List	Submission Date	Status
48	Cross-cutting	Philippines	Greening MSMEs and Promoting Green-Preneurship (Including KOICA Earmarked Funding Preparation)	July 2019	Approved
49	Cross-cutting	Philippines	Developing climate resilient and green “indigenous communities” in Palawan	July 2019	Dropped
50	Cross-cutting	Sri Lanka	Scoping and Program Development	July 2019	Approved
51	Cross-cutting	Senegal	Solar PV PUMPS for agricultural development	July 2019	Approved
52	Green Cities	Senegal	Senegal Green building readiness program	July 2019	Approved
53	Green Cities, Energy	Rwanda	Supporting the Government of Rwanda in Assessing Technologically Appropriate Charging Infrastructure for Electric Mobility – Electric BRT Pilot Project	July 2019	Approved
54	Cross-cutting	Uganda	Greening the National Development Plan (NDP) III	July 2019	Approved
55	Green Cities	Uganda	Increasing Solid Waste Diversion and Recycling in Kampala	July 2019	Approved
56	Cross-cutting	India	Climate-resilient and gender inclusive MGNREGA based on Mission Water Conservation_IN2	July 2019	Dropped
57	Green Cities	India	Support to National Institution for Transforming India with SDGs_IN06	July 2019	
58	Green Cities	India	Greening of Tea Value Chains_IN08	July 2019	Approved



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.





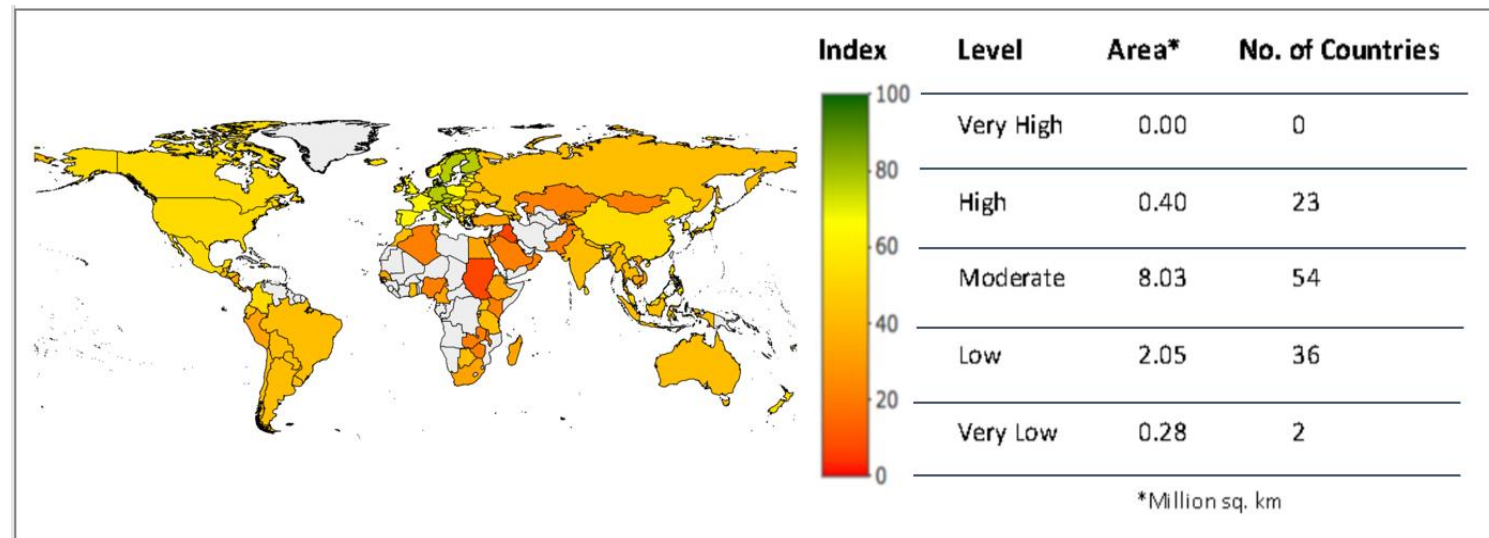
State of Green Growth Report, Green Growth Index and Simulation Tool

State of Green Growth Report (SGGR)



Key Components

- Presents **10 Key Messages** on achieving green growth transformation
- Explains the **economic foundations** of green growth
- 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



SGGR: 10 Key Messages for Green Growth

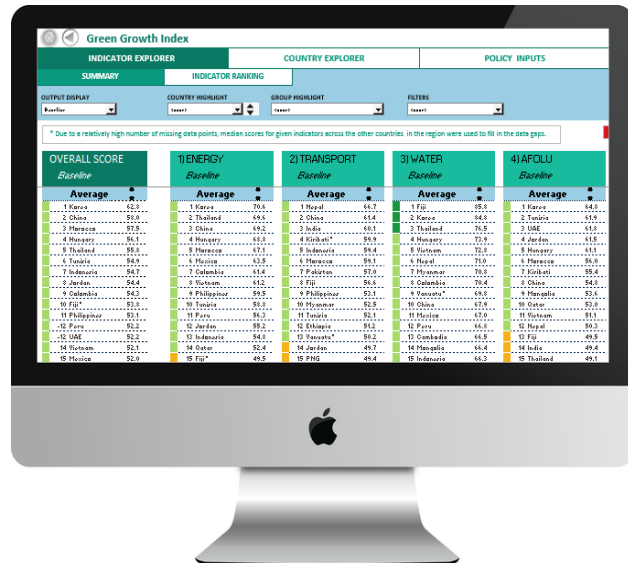
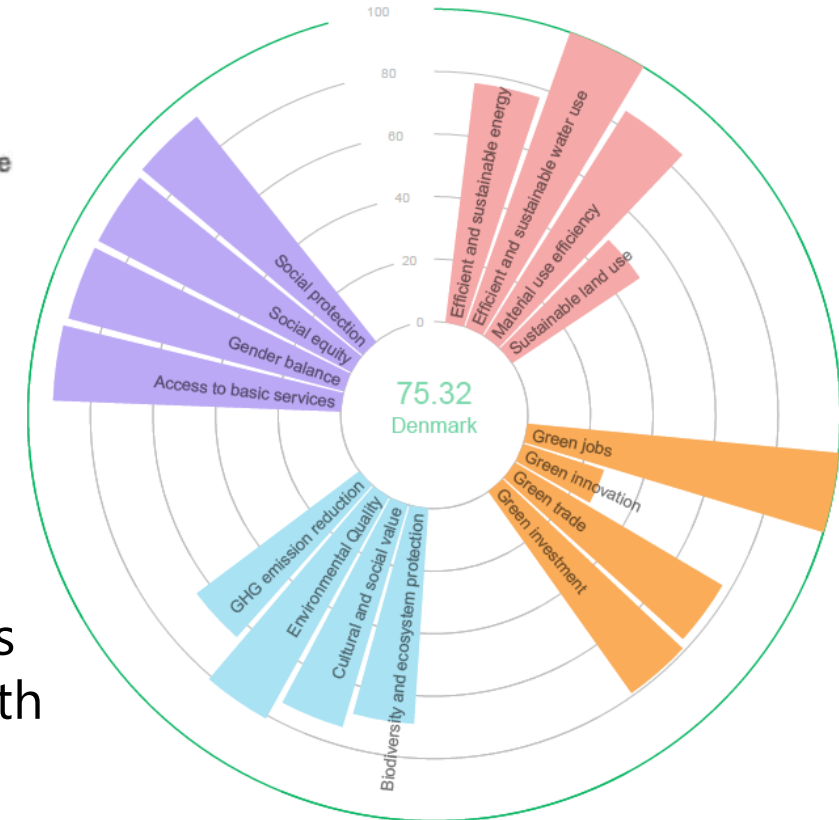
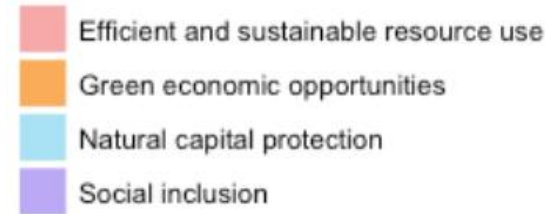


- 1 In order to ensure greater long-term economic prosperity and social well-being, green growth must replace the resource-intensive conventional **model of economic growth**
- 2 **Green growth strategies** provide a foundation and structure for long-term economic and social development.
- 3 **Greater social equity and equality** yields greater economic productivity
- 4 **Resolving the climate crisis** will not be possible without a rapid and immediate green economic transformation, and it is feasible for countries to achieve net-zero emissions well before mid-century
- 5 **Embracing sustainable energy and replacing fossil fuel** use is a core priority for green growth and addressing the climate emergency; renewables are increasingly among the cheapest forms of power generation available
- 6 **Reversing land degradation and ecosystem decline and improving food security** are possible with integrated land and coastal management approaches and innovative business models
- 7 Green growth transition depends on smart, efficient, and productive ways of **managing water resources**
- 8 To achieve **green transformation in cities**, it is imperative to mainstream the concept of green growth into urban planning and finance at the sub-national level.
- 9 Cities are at the forefront of **“greening the infrastructure gap”** and supporting the transition to circular economies
- 10 **Green technology disruptions and smart solutions** present critical opportunities to transform economic sectors and advance social and environmental objectives

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