



This project is co-funded by
the European Union



Federal Ministry
for Economic Cooperation
and Development

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



3rd Executive Committee Meeting Nexus Regional Dialogue Programme



Latin America and the Caribbean
Action Plan for Phase II

June 5th, 2019

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

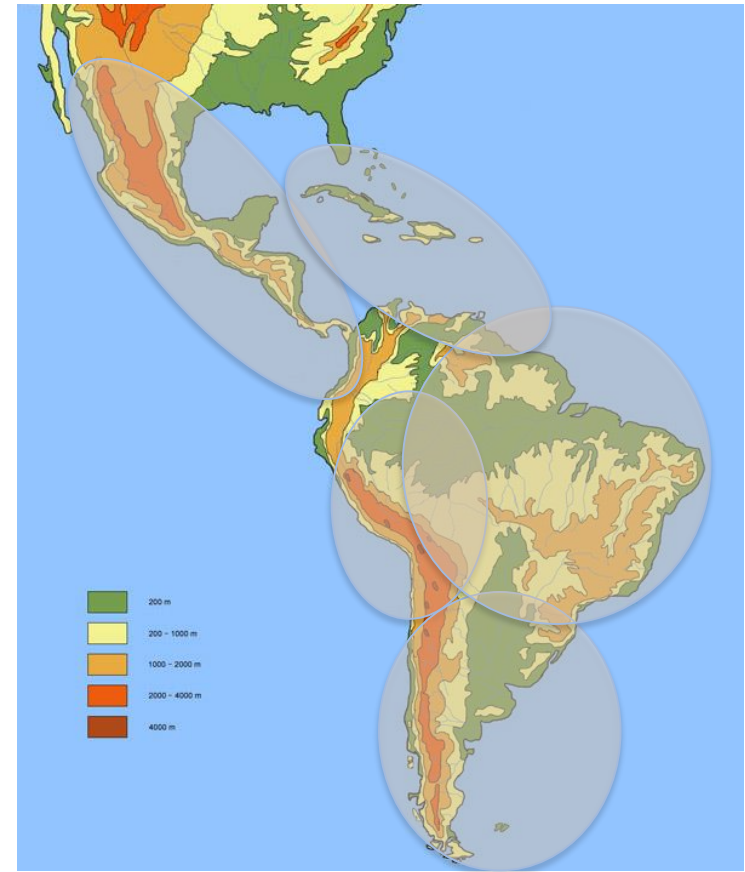


NACIONES UNIDAS

CEPAL

Phase II Nexus in LAC

- 33 countries, population 680 M, 20Mkm²
- Most hydropower-intensive
 - 65% of electricity, >150GW
 - Large undeveloped potential (20%)
- Energy and water stresses:
 - Mining, food production, deforestation
- High inequality (GINI 0.469)
- Renewable energy growth
- Challenges
 - Multiple scales
 - local, state, regional, cross-national
 - Multi-institutional
 - Highly diverse
 - Social inequality
 - Development, Governance
 - Environment, weather
 - Resources



Way Forward

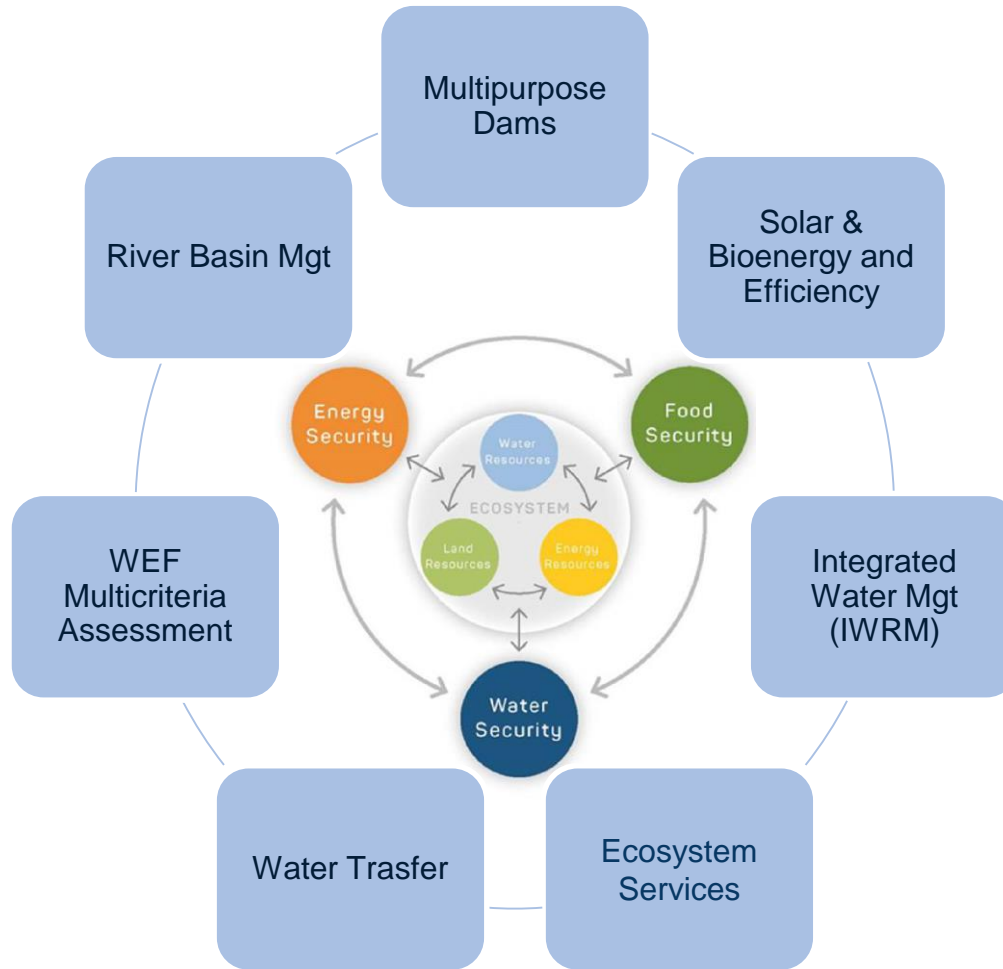
- **Nexus Investment Projects (8)**
 - “Nexus” in Infrastructure projects, project preparation, and implementation of pilot projects.
- **Framework conditions (9)**
 - Cross-sectoral planning:
 - Legal, institutional and other framework barriers to multisectoral policy or investment planning
- **Supporting Actions (3)**



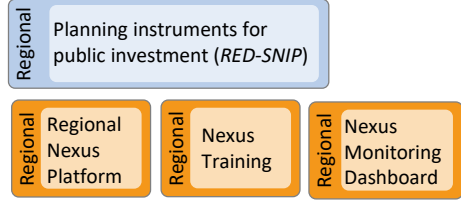
Selection Criteria/*Relevance checklist*

Criteria	
Eligible type of action*	✓
Multisectoral, involving at least two of the WEF sector	✓
Achievable, action will generate concrete results	✓
Results verifiable during project implementation	✓
Results are transferable to other contexts	✓
Implementing partner with strong interest/commitment	✓

LAC Action Plan: Sectors and Locations



Overview of proposed projects



NEXUS Investment Projects

Support for Multi Purpose Dams

Costa Rica	PAACUME, dam and distribution system, Tempisque river Water distribution statutes \$457M / \$75k	<ul style="list-style-type: none">● 354k inhabitants and over 1000 farmers● Improved water.● Reduce depletion of aquifers● Balance between water uses: WEF; tourism
Nicaragua	Apacas-Asturias Basin. El Barro 32MW, \$134M + \$27M / \$30k	<ul style="list-style-type: none">● 30k inhabitants● Irrigation. Compensation to farmers● Conservation
Honduras	Comayagua - Guangololo water basin \$300k Nexus	<ul style="list-style-type: none">● 46k inhabitants● Drinking water, Irrigation, Energy potential● Conservation and CC adaptation

Nexus for Integrated Water Resource Management (IWRM)

Peru	Water-centered to multisectoral IWRM in 10 river basins (\$40M / \$300k)	<ul style="list-style-type: none">● Improve capacity to plan, monitor and manage water resources● Develop mechanisms for dam safety● Strengthen IWRM tools and institutions
-------------	--	---

NEXUS Investment Projects

Nexus for Water Transfer Canal

Argentina	“Hidrovia Continental”. 635km Canal N-S. (\$3B + \$150k) Impact & Needs Assessment of WEF WEF perspective in design	<ul style="list-style-type: none">● Regulate flooding, manage droughts● Increase agriculture production● Drinking water● Foster economic growth● Benefit 7M inhabitants
------------------	--	---

Ecosystem Services payment

Peru	Rehabilitation of Ancestral Lagoons Construction of levees for 4 lagoons in Eulalia region. \$50k Nexus: Payment system for ecosystem services	<ul style="list-style-type: none">● Improve WEF security in rural community● Irrigation for 10ha● Micro generation, hydro & PV● 2.8k inhabitants
-------------	--	---

Solar and Biomass Energy

Guatemala	Solar and biomass energy - dry corridor Mesoamerica. \$120k	<ul style="list-style-type: none">● Solar pumping, biomass energy● Water purification● Alleviate malnutrition & WEF insecurity● Potential for 10.5M inhabitants
Cuba	Identify Sustainable bioenergy from sugar residues and invasive species \$20k per project.	<ul style="list-style-type: none">● Increase energy security● WEF perspective and impact

Actions creating framework conditions

Regional	Nexus-Smart Planning for National Investment Planning Systems, SNIP (\$50k)
Argentina	New energy subsidy policy for irrigation agriculture (\$242k)
Colombia	Nexus in the new Nat'l Water Authority (\$100k).
Cuba	Bioenergy assessment - Compliments the supporting action (\$50k)
Bolivia	Smart river basin planning (\$30k).
Bolivia	Nexus-smart operation of multi-purpose dams (\$65k).
Costa Rica	Nexus-smart basin committee for Tempisque river. Compliments SuppAxn (\$100k).
Ecuador	Formalize the Nexus-relevant basin committee in Rio Machángara (\$350k).
Argentina	Establish a Nexus Committee in Antinaco water basin (\$70k).

Regional Supporting Activities

Regional Nexus Platform (\$30k)	<ul style="list-style-type: none">• Second NRD conference to strengthen results of 2018 Regional Nexus Forum and promote science-policy dialogue• Regional NEXUS platform under CEPAL/ ECLAC
Nexus Training (\$25k)	<ul style="list-style-type: none">• Two day regional NEXUS training in Bolivia
Nexus Dashboard (\$20k)	<ul style="list-style-type: none">• Monitoring dashboard to advocate and guide integration of Nexus in public policy



This project is co-funded by
the European Union



Federal Ministry
for Economic Cooperation
and Development

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



Vielen Dank!
Thank you!
Gracias!



giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

NRD 3rd Steering Committee Meeting
June 5, 2019



NACIONES UNIDAS

CEPAL