

The IDB and Green Infrastructure in Latin America and the Caribbean

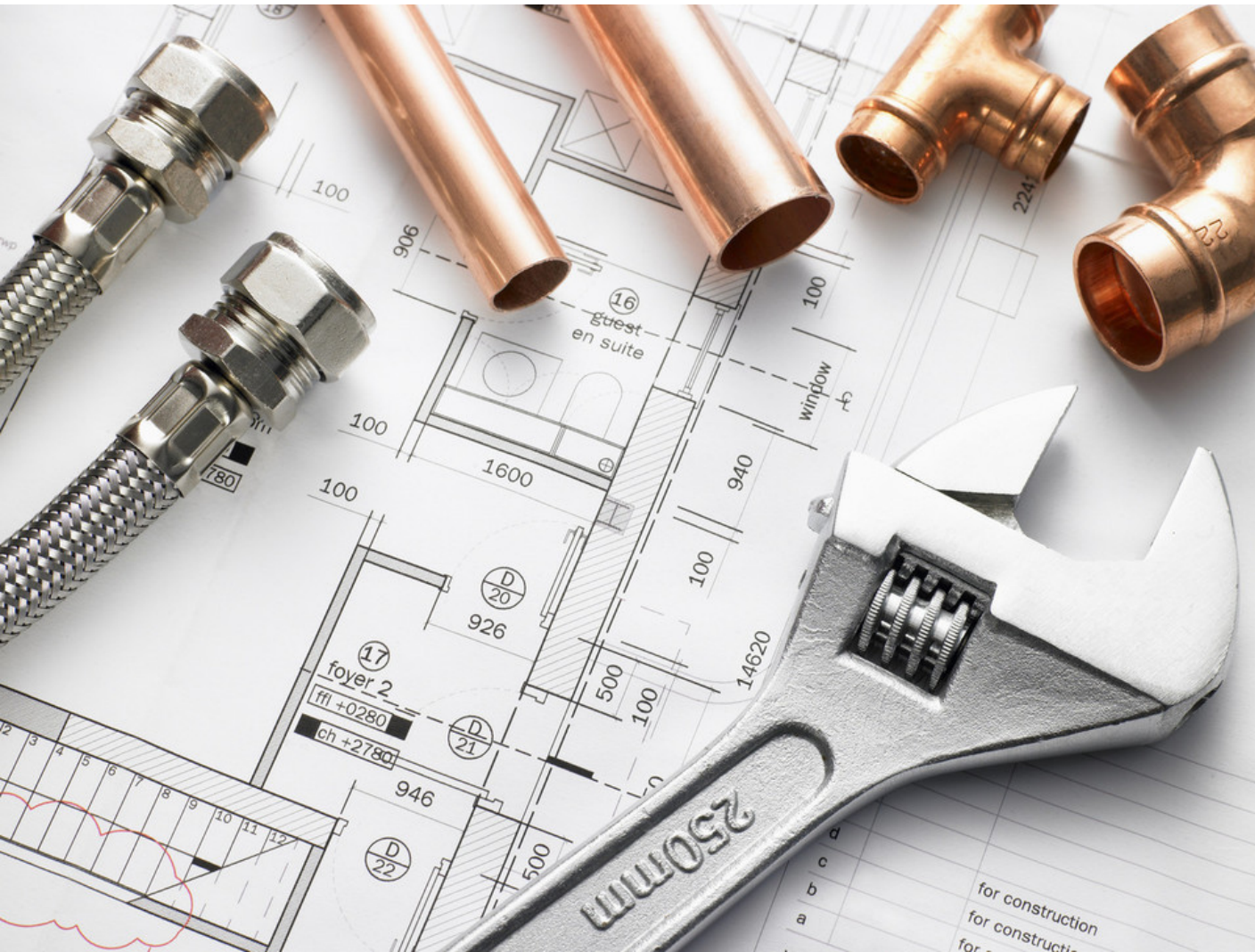


Raul Munoz Castillo
Sr. Water Specialist, INE/WSA Division

December 4th, 2018



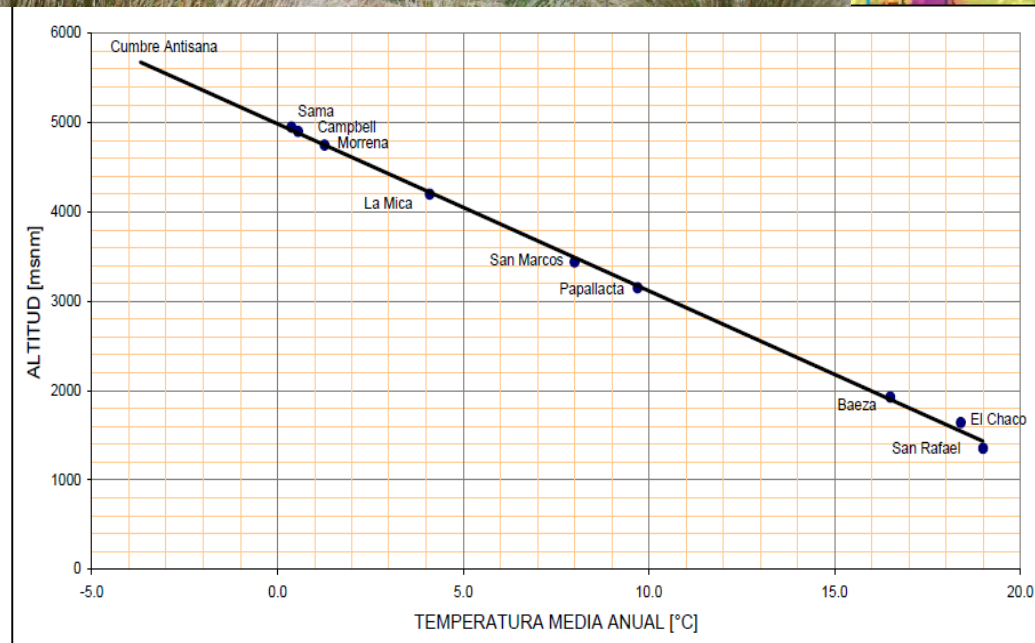
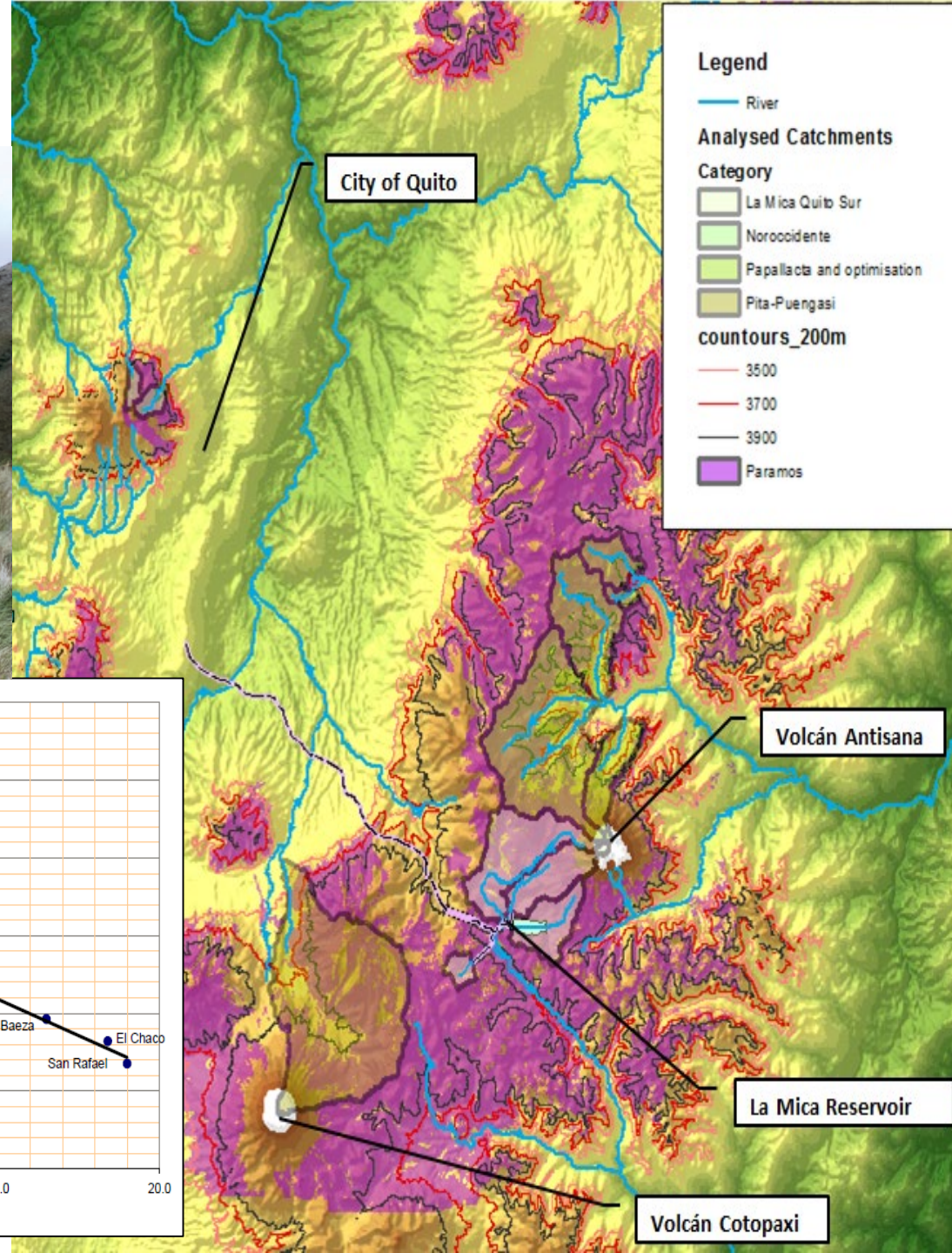




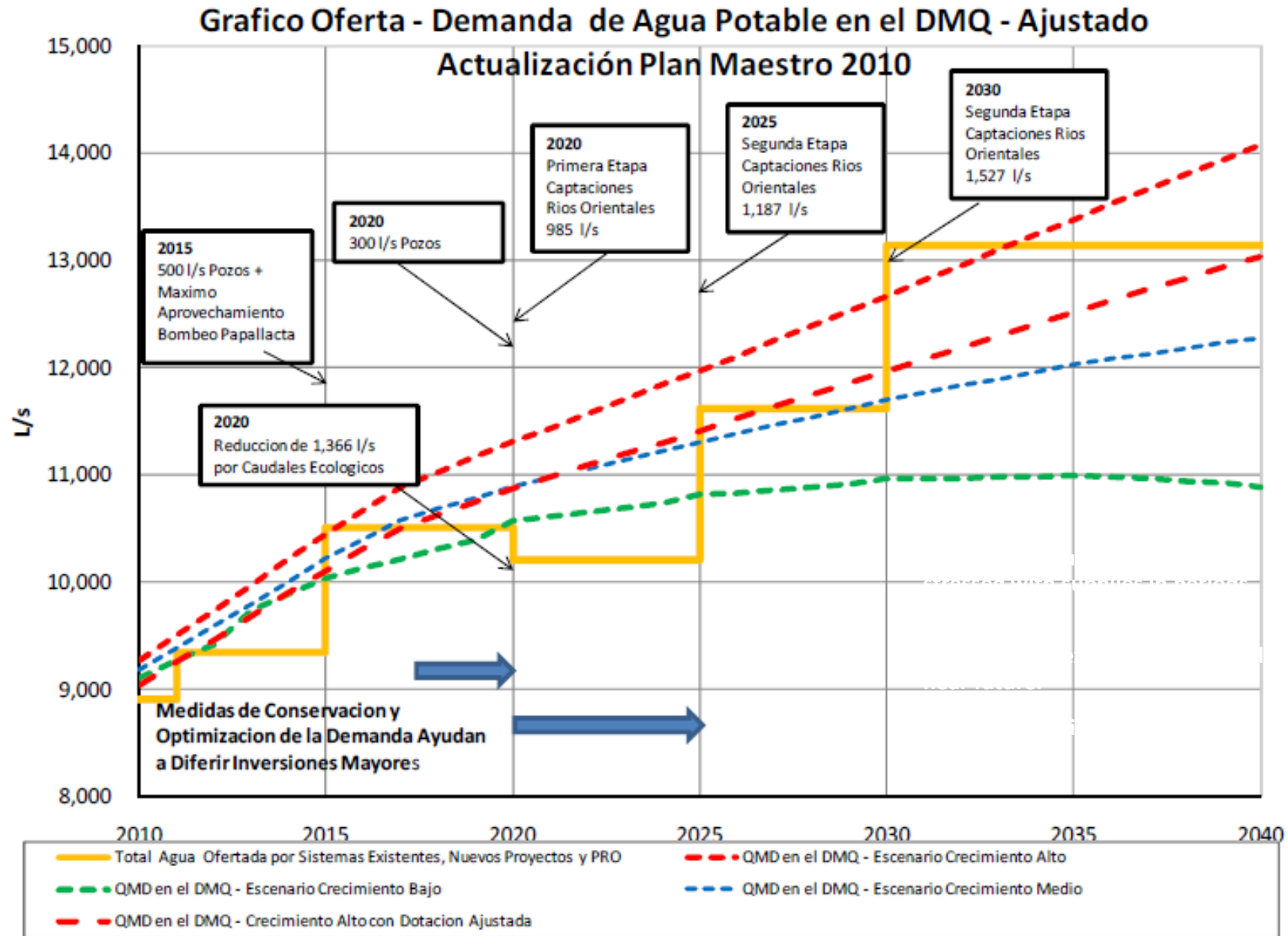
IDB's approach:

- Building data and information
- Modeling and decision support tools (i.e. HydroBID+ESVTs)
- Green solutions “engineering” (context)
- Financing and enabling mechanisms and incentives (i.e., Water Funds)
- Piloting projects and sharing experiences

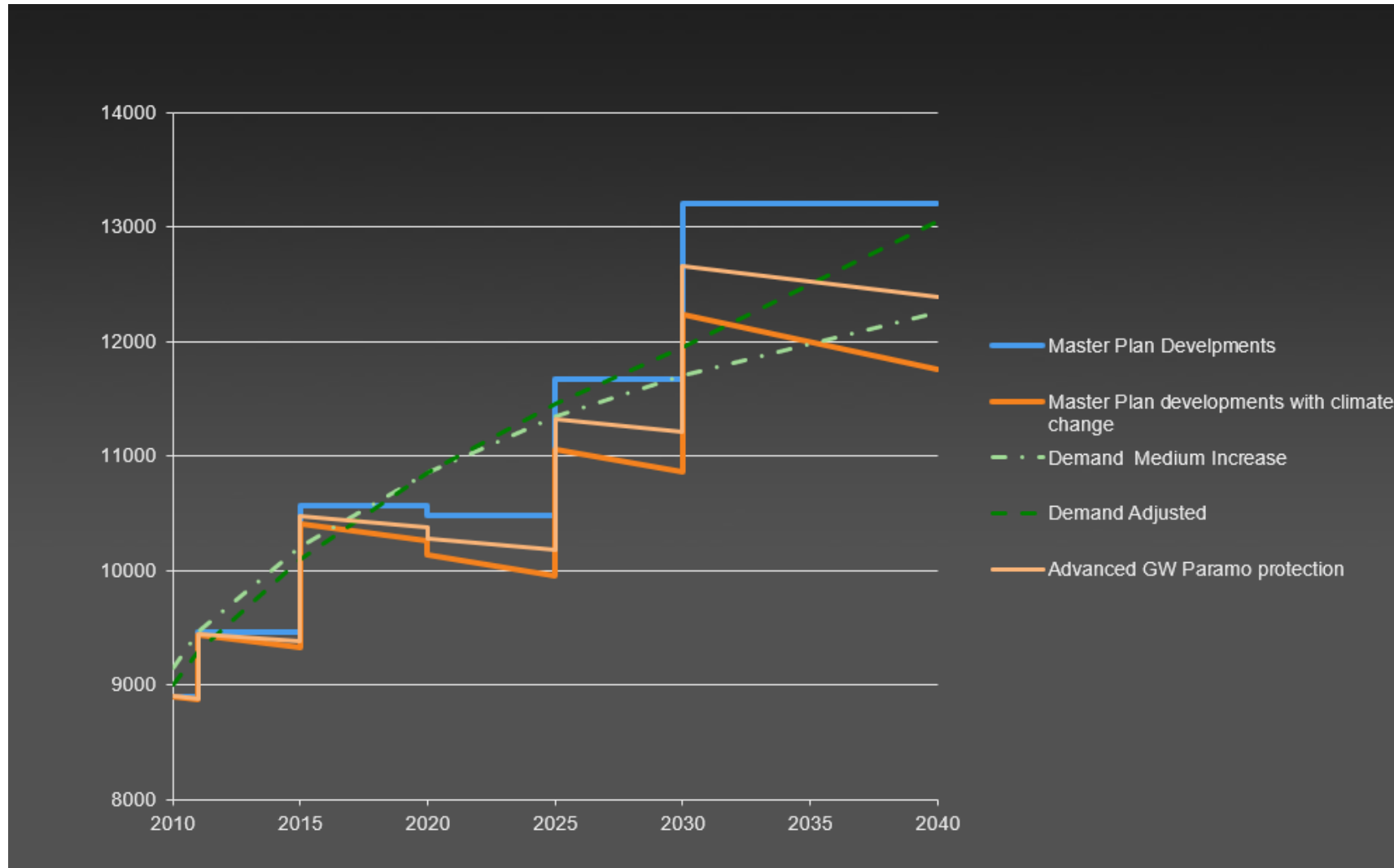
QUITO: Water supply vulnerability



EMAAP-Q Master plan (2011)



WS Master Plan Plan Adapted to Climate change



Multipurpose Project- El Alto, Bolivia





LATIN AMERICAN
WATER FUNDS
PARTNERSHIP



*Mission: Increase water security in LAC cities
through nature-based solutions*

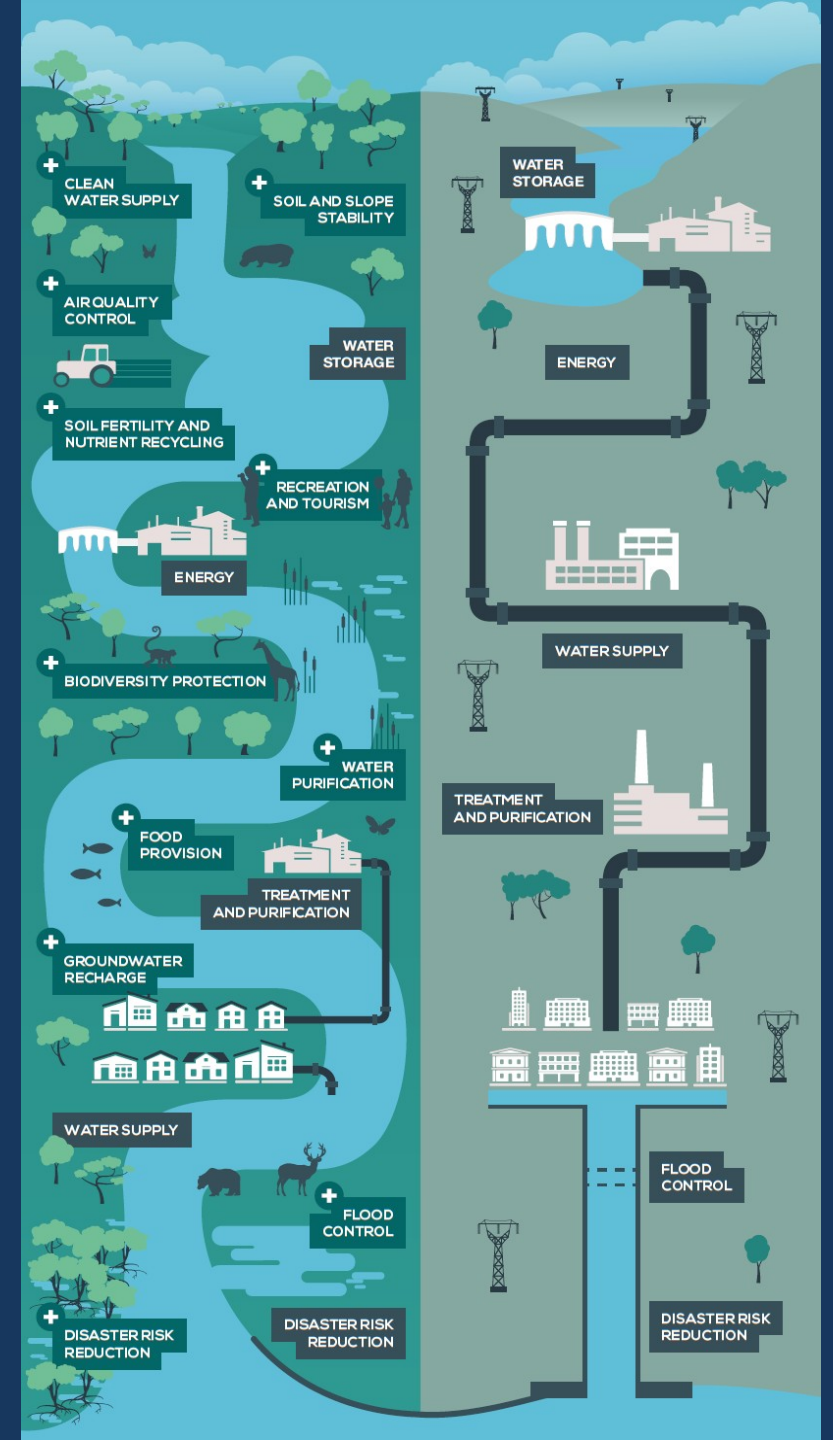
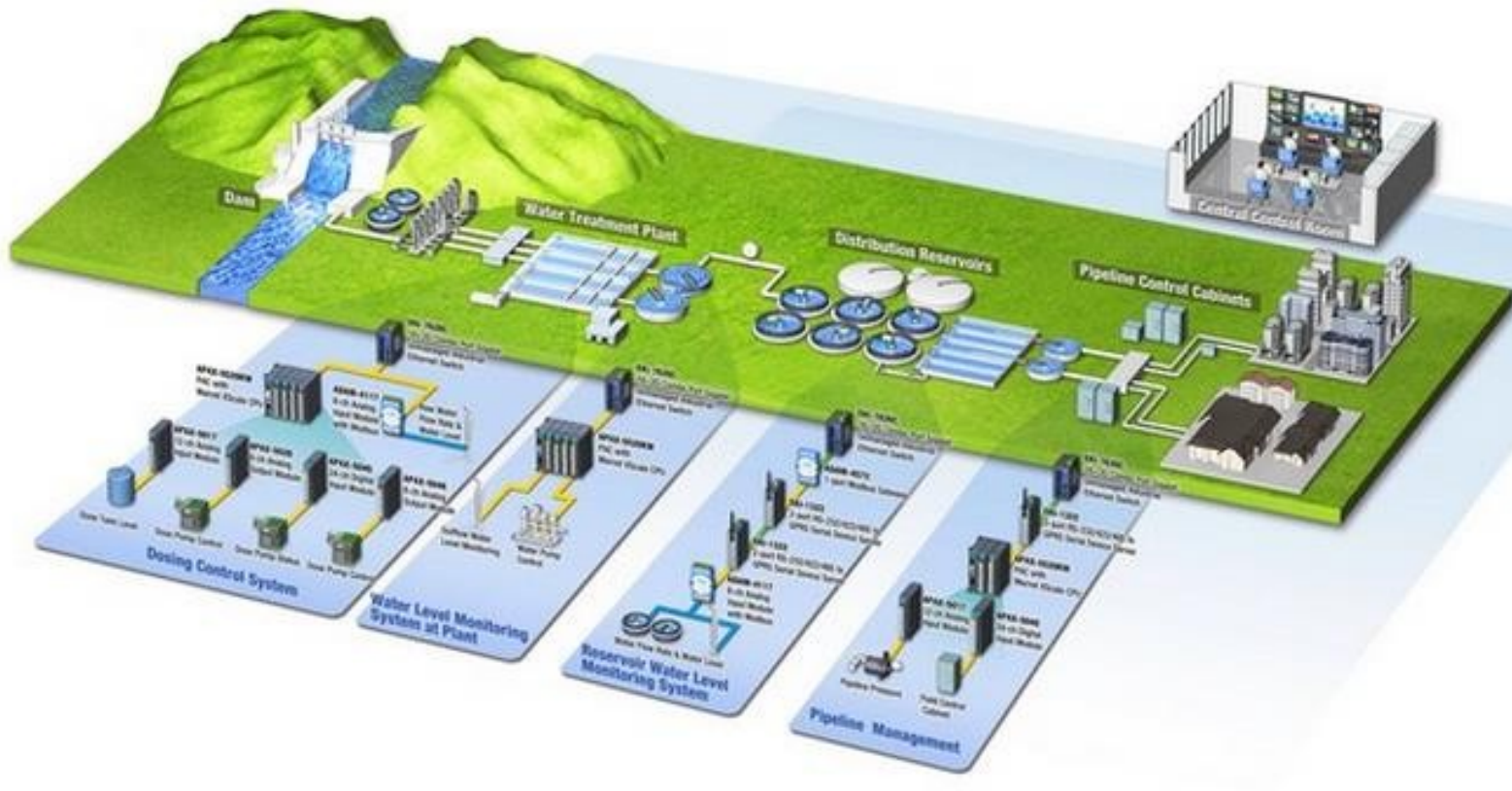
FOUNDING PARTNERS



WHAT IS OUR VISION FOR 2020?

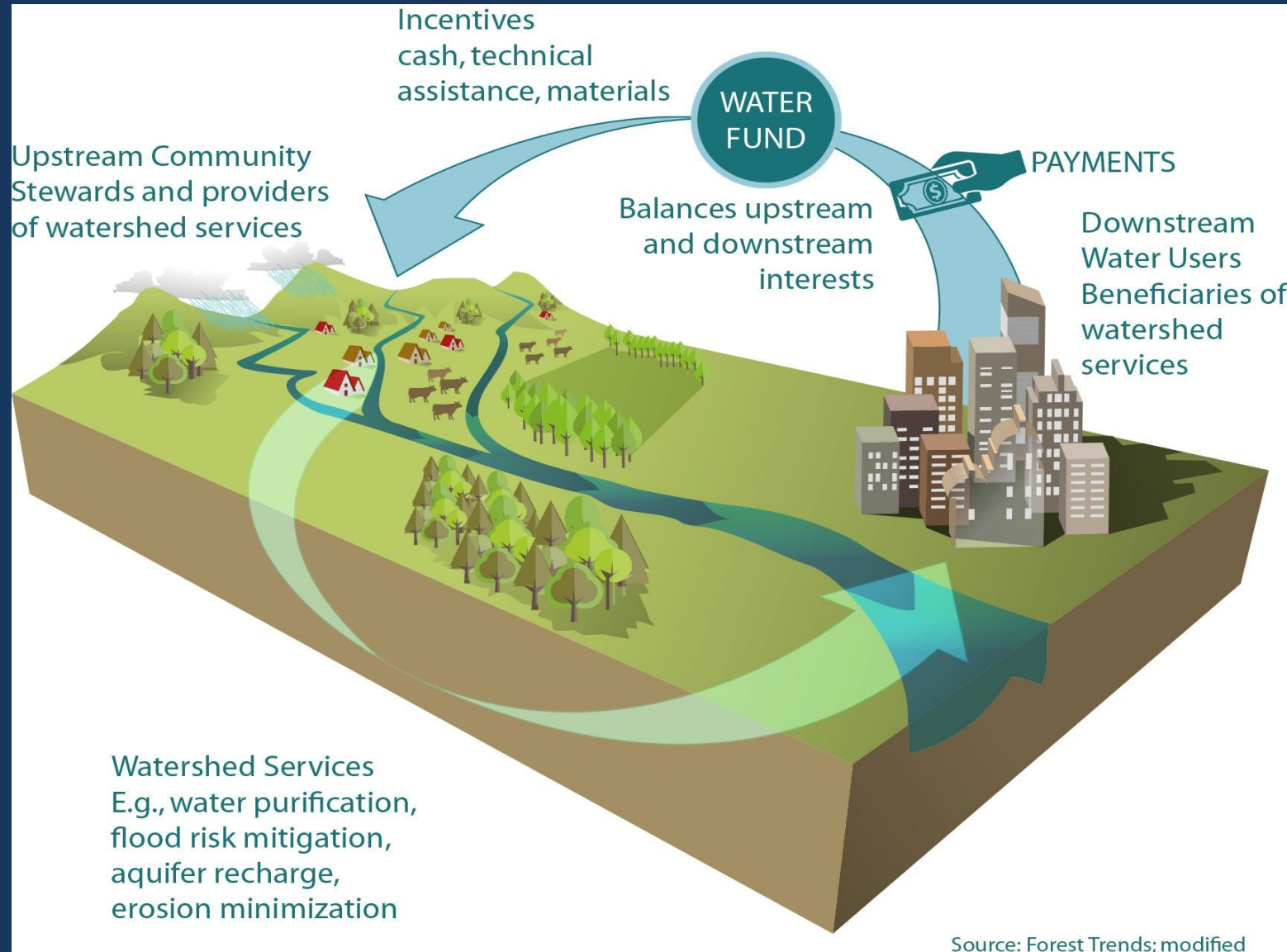
- Create and strengthen 40 Water Funds to contribute to urban water security in LAC
- Generate positive impact for 4 million hectares of natural ecosystems
- Benefit 80 million people living in the watersheds where these Funds operate
- Institutionalize a green infrastructure agenda (green + grey)

GREEN & GREY

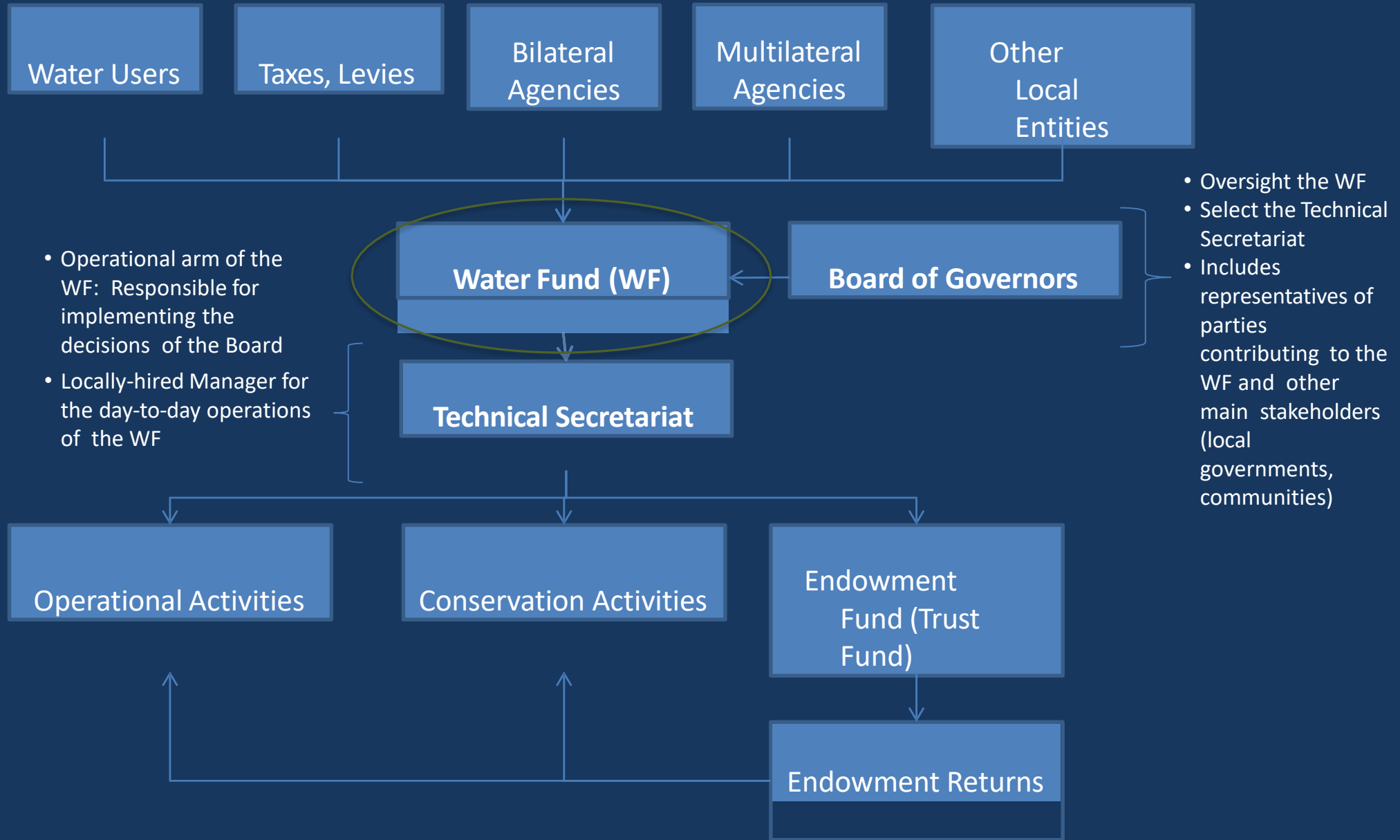


WHAT IS A WATER FUND?

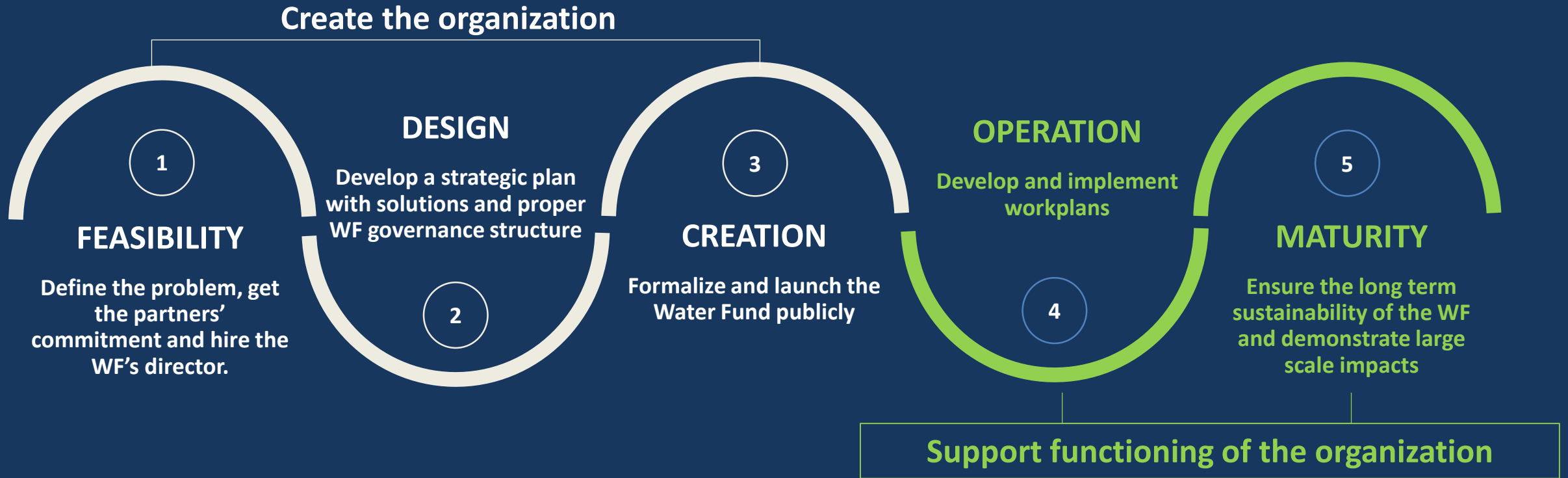
- A financial mechanism for watershed conservation
- An implementation mechanism for conservation activities/projects
- A **governance** mechanism for watershed planning



HOW DO WATER FUNDS WORK?



PROJECT CYCLE



The Partnership has a governance structure to support and provide different tools and assistance to Water Funds in each phase.

RESULTS AS OF JUNE 2018



24

Water Funds created

8

In 8 countries of Latin America



23,784 families participating in projects upstream



212,737 ha (natural infrastructure)



+350 private and public partners



USD\$160,853,294 M pooled resources



WHAT ARE THE CHALLENGES?

1. Develop financially sustainable water funds
2. Develop funds that can have impacts at scale (start to W&S utility level)
3. Built better business cases (the return investment of the partners)
4. Promote an enabling environment (normative side) for green infrastructure
5. Involve water utilities more actively (public vs private)
6. Generate evidence on the benefits of green infrastructure (ROIs)
7. Develop implementation capacity

HOW DO WE FACE THESE CHALLENGES?



Provide on-going technical assistance to (create and) strengthen WFs



Leverage financial resources



Build strategic alliances



Promote innovative scientific tools to strengthen WFs



Promote sharing of experiences and best practices



Influence public policies

WHY THE IDB IS IN THIS INITIATIVE?

1. Develop expertise (among IDB staff and clients) on green infrastructure
2. Generate evidence on the cost-effectiveness of green vs. grey infrastructure
3. Mainstream green infrastructure into IDB operations
4. Become a reference on the water fund model and green infrastructure agenda



Thank you!