

Agua Tica Water Fund

Prepared by Manuel Guerrero for the, "Financial Mechanisms for Landscape Investment: Synergies to Increase Returns, Reduce Risks and Enhance Impacts," virtual event convened by the 1000 Landscapes for 1 Billion People initiative, Laudes Foundation and IKEA Foundation on April 26, 2023.



An innovative long-term conservation model

From COSTA RICA to the world!



COSTA RICA



Landscape context: the most contaminated basin

The Río Tárcoles Watershed, comprises the Rio Virilla and Rio Grande rivers. It is located in the heart of Costa Rica's Greater Metropolitan Area.



- Supplies 6.445,43 hm³ water/per year under regular climate conditions
- Water primarily used for hydrological power, human consumption and irrigation
- Change in land use in the upper parts of the watershed (e.g. agriculture, urban development, irregular urbanization) and poor management threaten the supply

57% of country's population

75% of national industry and commerce

3,8% of national territory

Landscape challenges



Population growth



Lack of land use planning



Land use change and water
resources overexploitation



Natural resources
degradation



Threat to
renewability



Landslides, droughts or
floods

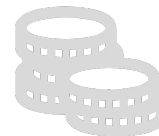
Impact on nature, the population and the national economy

Agua Tica's role in the landscape

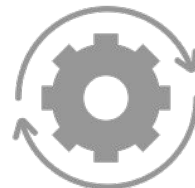
Agua Tica is the first public-private and civil society water fund in Costa Rica. It is an innovative model that brings together actors in order to seek a common good: water security in the Great Metropolitan Area, through science and cutting-edge technology.



**Catalyst for
collective action**



**Vehicle for sustainable
financial action**



Strategic executor



Raises awareness



**Promoter of water intelligence
and technical reference**

Agua Tica's role in the landscape



Governance



Transparency



Technical and
scientific
approach

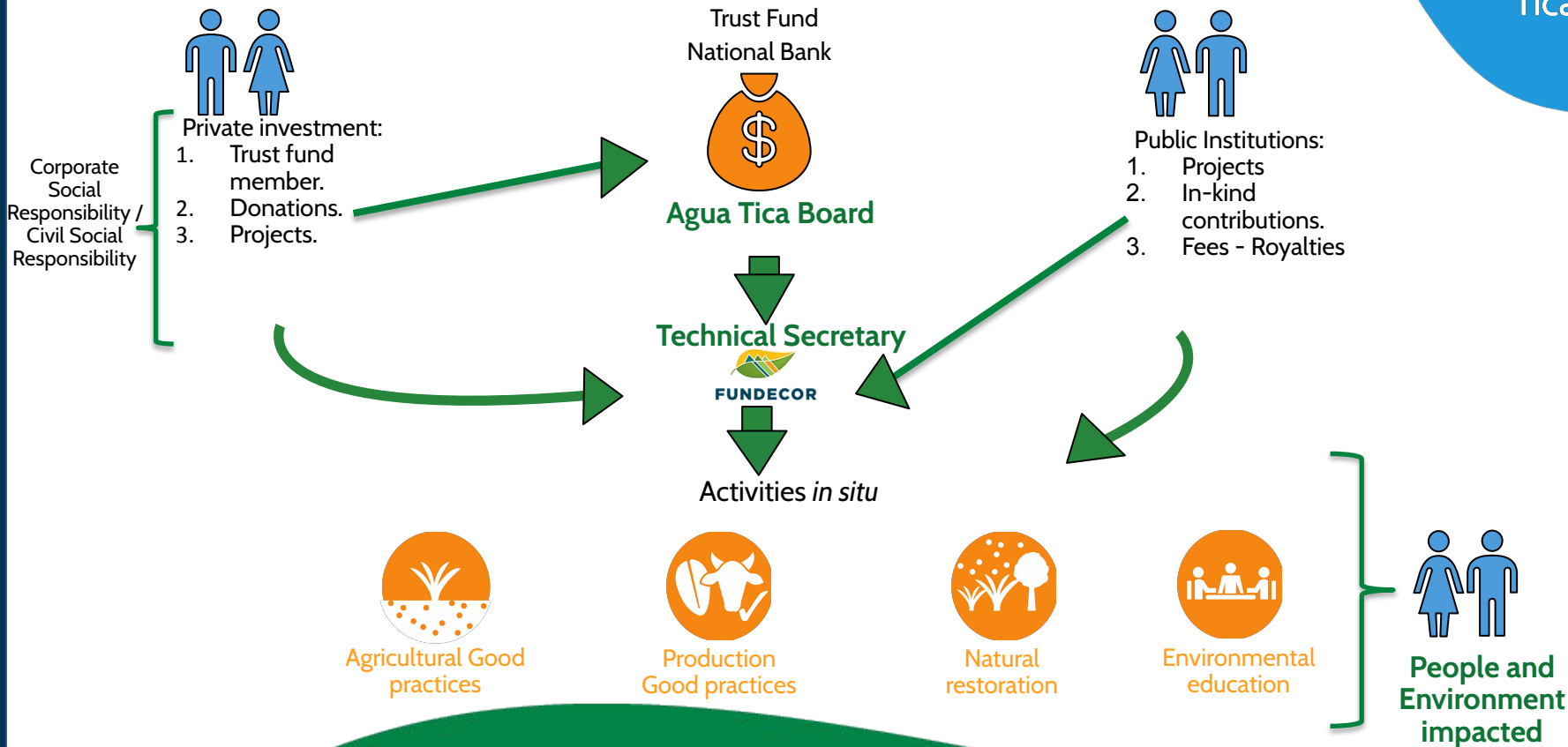
Multi-stakeholder
platform

Credibility

Field activities
with real impact
indicators (NbS
AbE)



Structure of the mechanism



Strategic investments

Lines of Strategic Investment	Budget	Ha	% of intervention area (Ha)
Good livestock practices	\$299,700.00	39.96	0,65
Environmental education	\$99,999.00	999.99	15,97
Good agricultural practices	\$299,700.00	39.96	0,65
Forest protection	\$299,999.70	2307.69	36,85
Reforestation	\$399,967.29	258.21	4,12
Assisted regeneration	\$199,972.26	365.58	5,83
Natural regeneration	\$199,996.56	1886.76	30,12
Agroforestry systems	\$199,980.00	363.6	5,80
Total	\$1,999,314.81	6261.8	100%

Innovation of the instrument



GIS Software for
mapping ecosystem
services

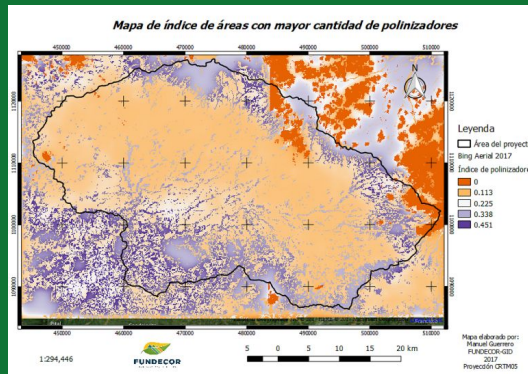
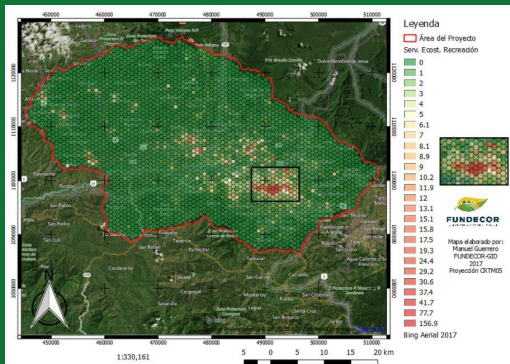
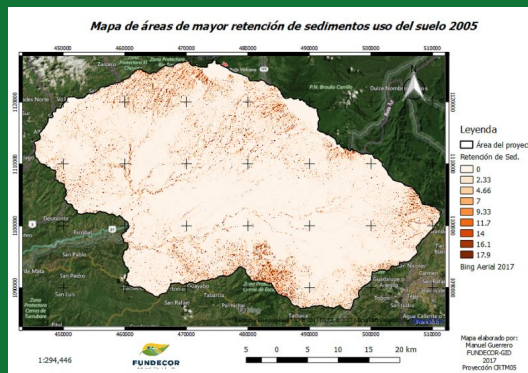
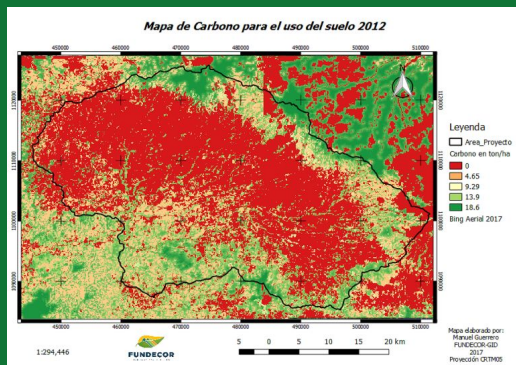


GIS Software for
investment
prioritize



Investment
portfolio

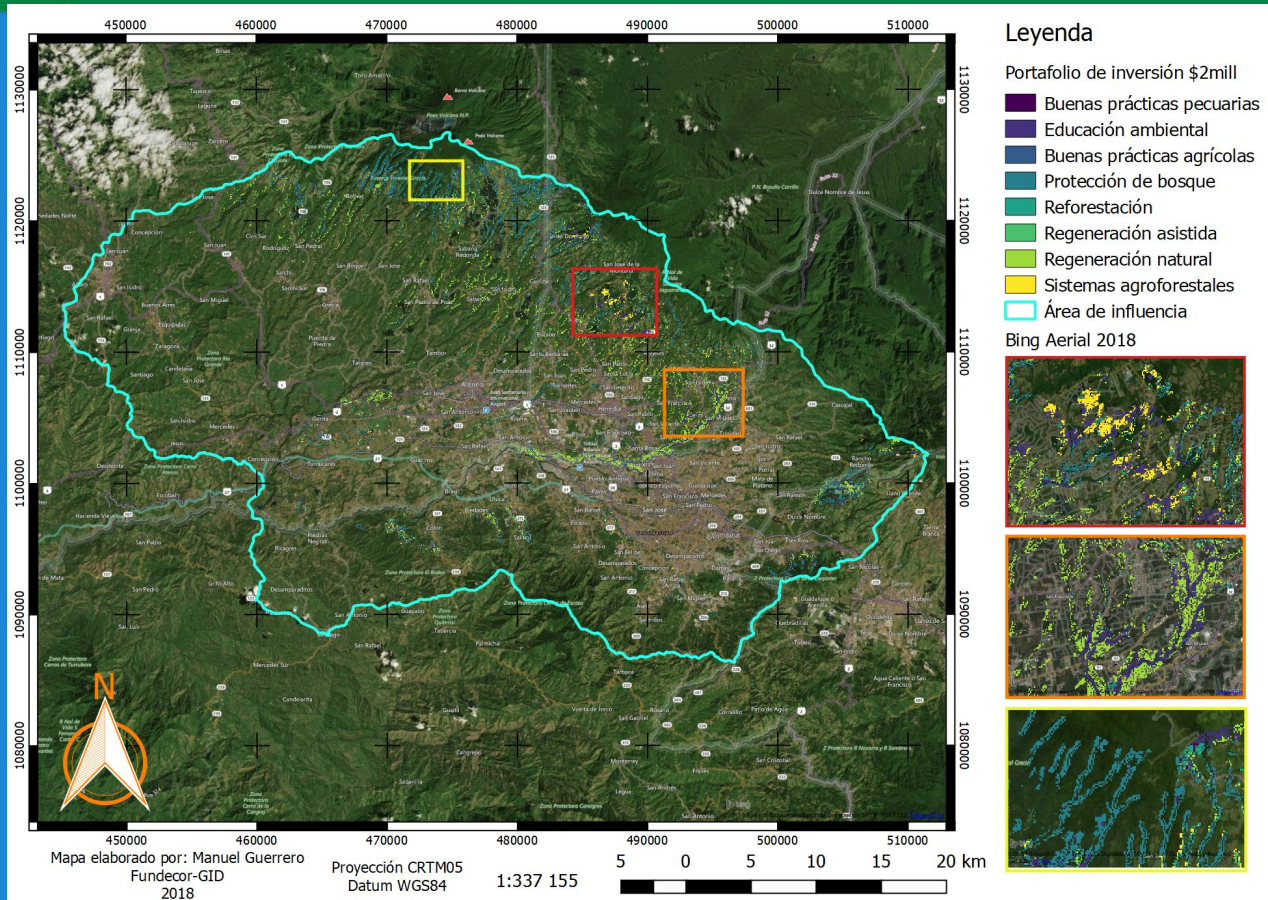
Río Virilla and Grande Sub watersheds



Ecosystem services mapped

1. Groundwater recharge
2. Carbon fixation
3. Recreation
4. Sediment retention
5. Biodiversity
6. Pollination
7. Flood control
8. Base Flow
9. Seasonal water yield, among others.

RIOS Investment Portfolio



Waterproof

WaterProof provides a rapid and indicative NbS investment portfolio and associated ROI. The tool is intended to engage stakeholders interested in exploring solutions to local water challenges and prioritization of locations for possible NbS water security programs

How does WaterProof work?



Field implementation projects

Water replenishment

Coca Cola-TNC- FUNDECOR

Potential water recharged calculation

FIFCO- FUNDECOR

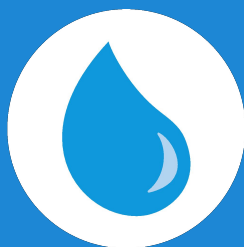
Intel's Water Restoration Project

INTEL- Agua Tica

Potential scale of the financial impact



People
1.9 million
impacted



Water
3 000 000
m3 replenished
per year

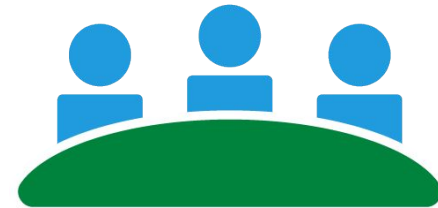
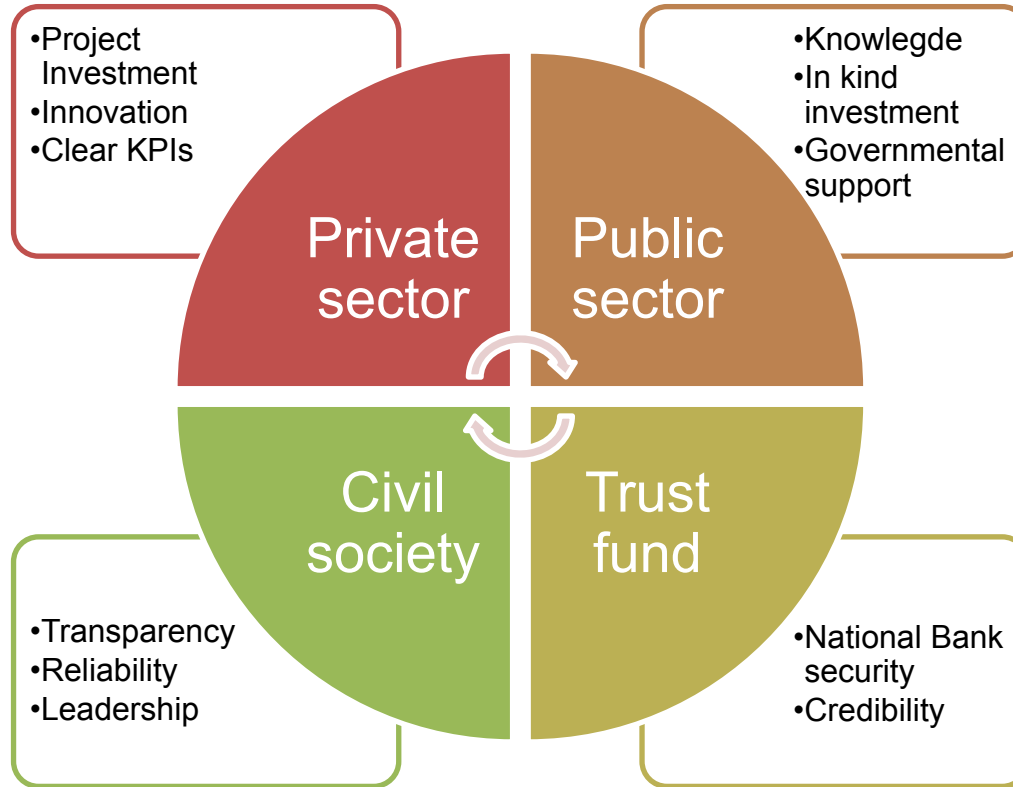


Coverage
More than a
6000 ha



Fund
\$ 2 000 000

Risk management across stakeholder groups



Scalability

ALLIANCE FOUNDED BY 5
INTERNATIONAL PARTNERS (2011) THAT
HAVE LAUNCHED 25 FUNDS AND 10
ADDITIONAL INITIATIVES IN 14
COUNTRIES AND GIVES US ACCESS TO:



Learning and
knowledge transfer

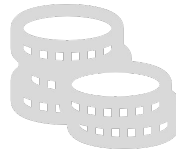
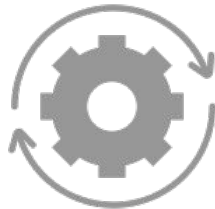


Connections to
attract international
resources



Key lessons from our experience

1. Science – Indicators: A scientific base provides relevant data to the stakeholders
2. Stakeholders KPIs: key factor for attracting new investment
3. Innovation: It's possible to implement science in order to achieve a bigger field impact
4. Adaptable: the instrument is adaptable and replicable
5. Keep looking for new financial processes: new schemes for financing like international funding, new members, among others



For More Information

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