

ECONOGENESIS

Understanding the gender, equality, and social inclusion implications of the economics of climate change and adaptation

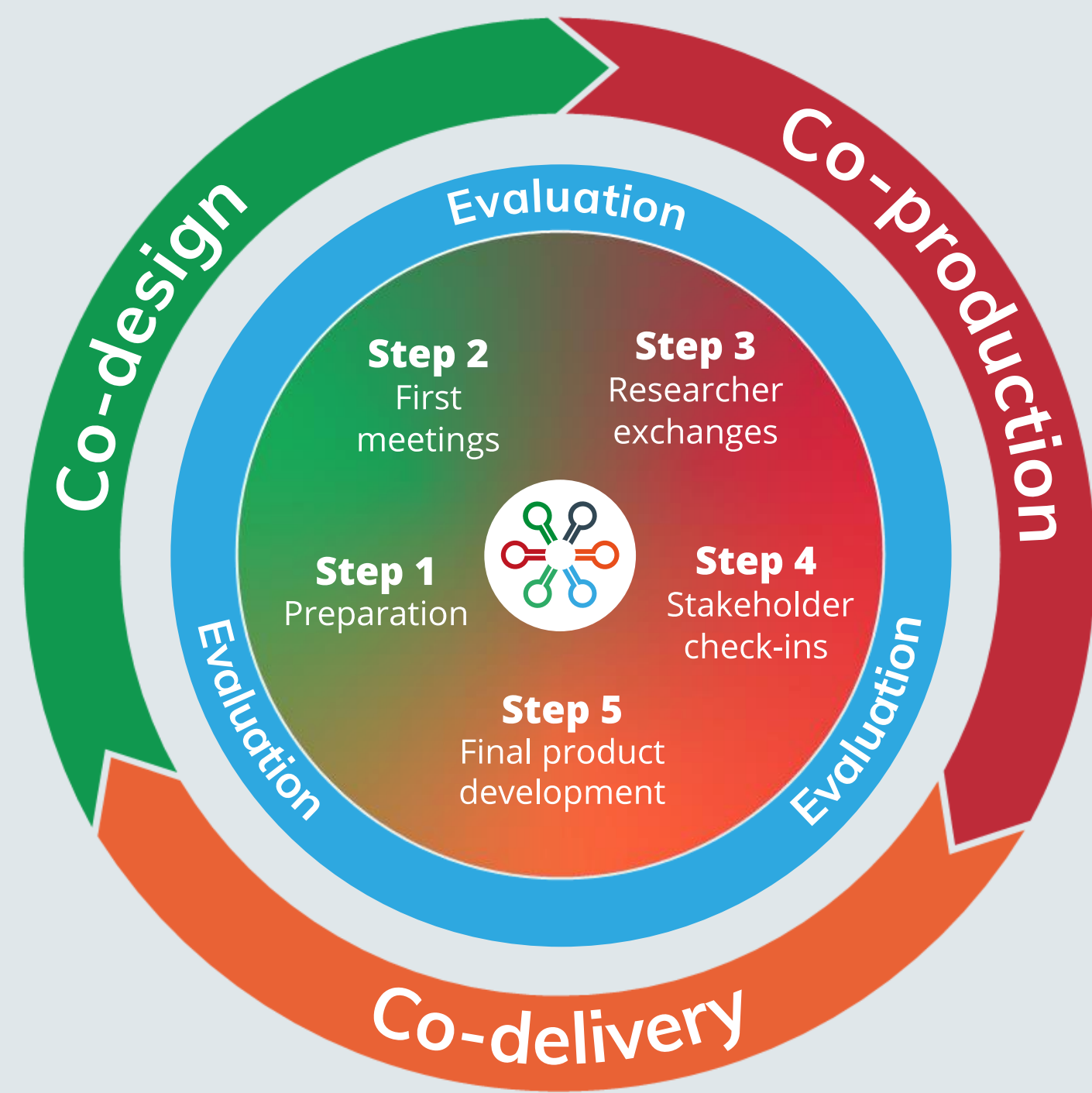


The **Objective** of the ECONOGENESIS project is to provide new information on the economics of climate change, the costs of adaptation, and bankable adaptation finance projects, including the analysis of gender equality and social inclusion. The project is being implemented in Rwanda, Nepal and Zanzibar, along with a global components supporting the Adaptation Gap Report.

Research question:

- What are the economic costs of climate change, and do these differ by gender and social group?
- What are the costs and benefits of adaptation, do these differ by gender and social groups and thus require a targeted approach?
- How can countries take forward adaptation finance solutions and is it possible to develop bankable GESI focused projects, and private sector adaptation projects?
- What are the global costs of adaptation for developing countries?

Co-creation and research for impact



The project is using a co-creation framework to provide usable and policy relevant knowledge and outputs. The focus is on utilitarian co-creation, providing usable information for policy makers and decision making.

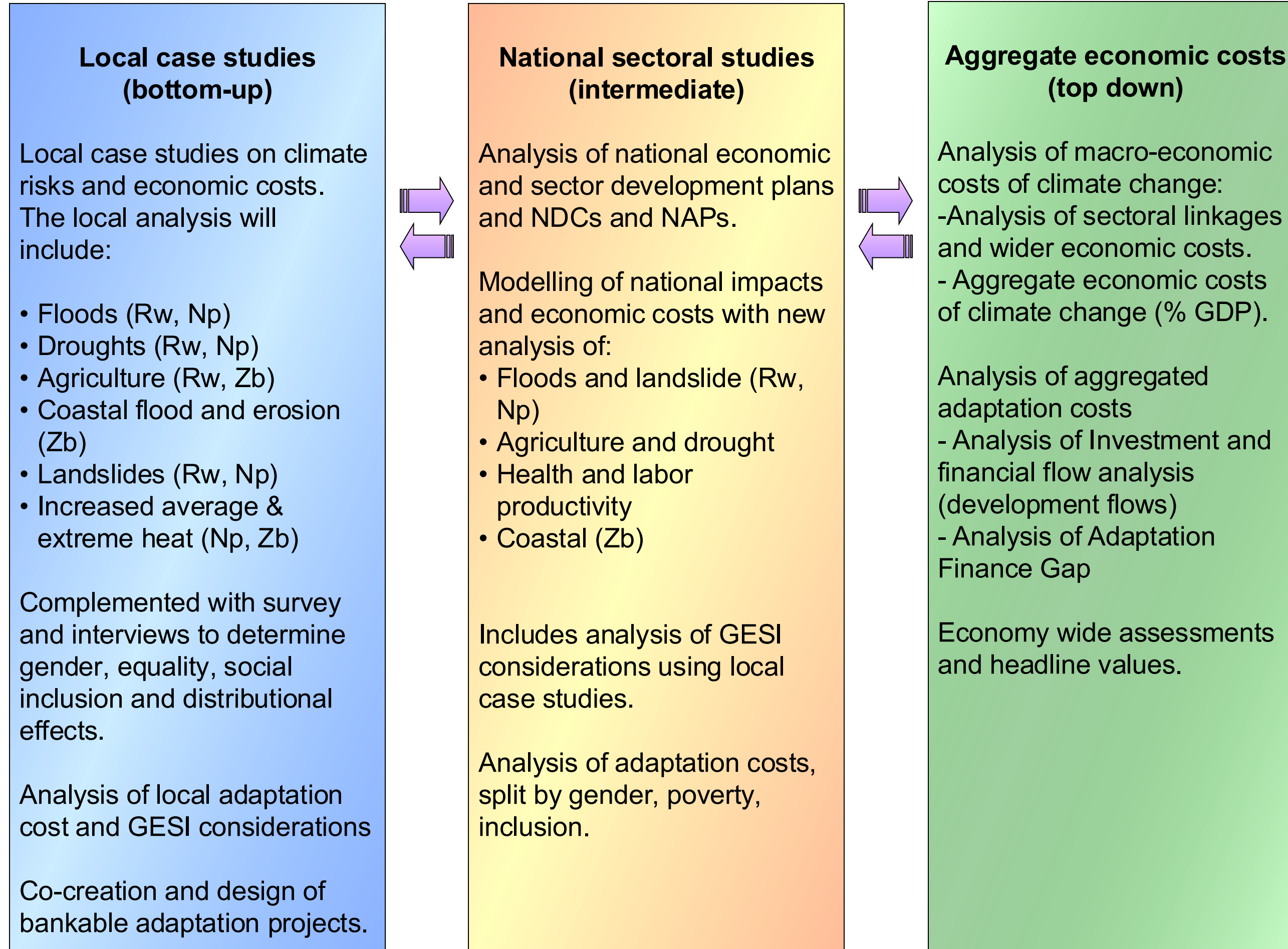
The project started with co-design activities, with meetings to formulate research questions with stakeholders.

The research is being taken forward with deep engagement co-production case studies. This involves case study work on the costs of inaction and loss and damage, the costs and benefits of adaptation, and bankable adaptation finance.

To get greater R4I, there is a strong focus on co-delivery, and the project will work together with key stakeholders to develop and deliver communication and dissemination strategies, including joint knowledge products.

Methodology

The project is working at different scales to build-up the evidence on climate impacts and adaptation, from local to national level.



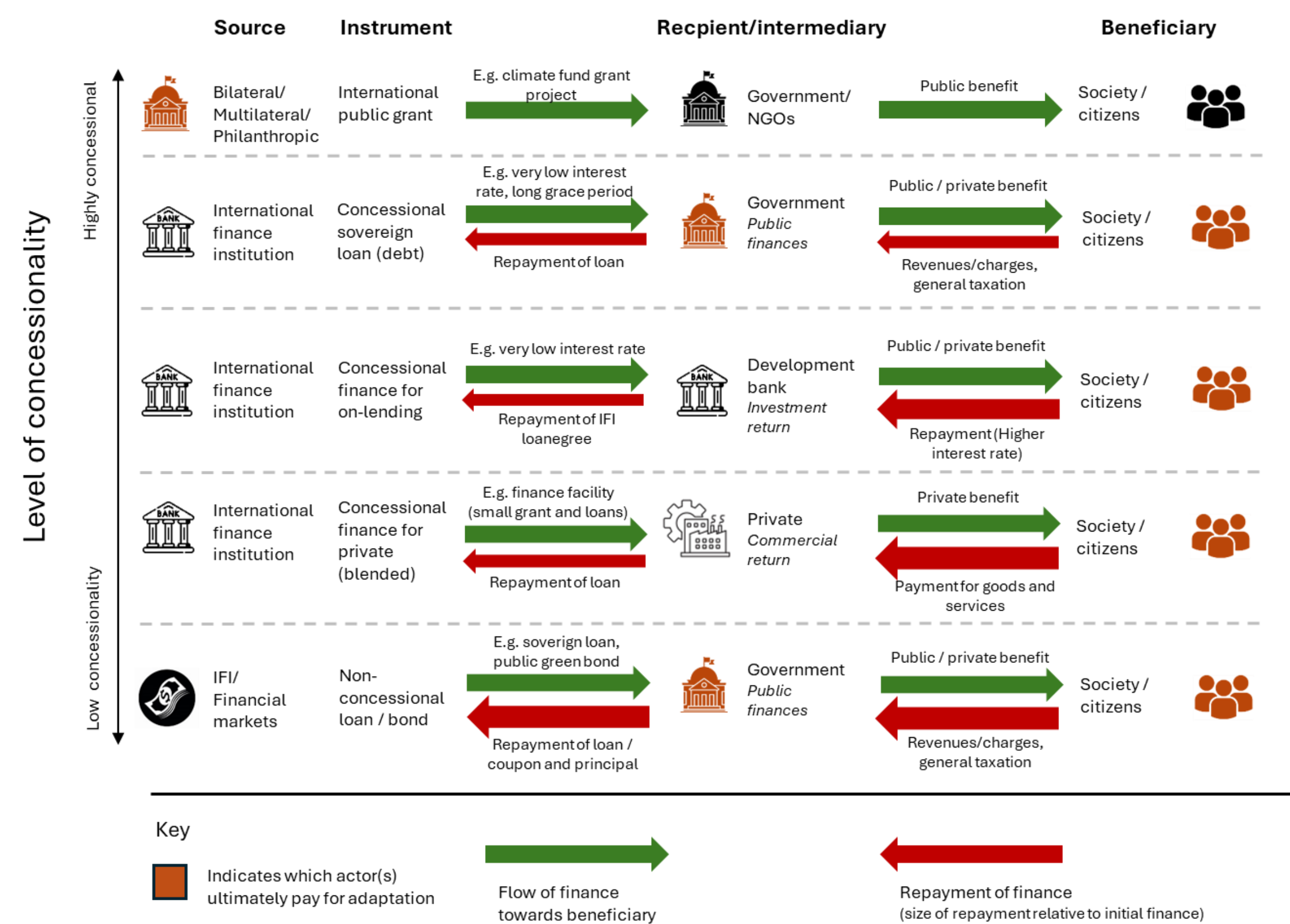
Global Results

ECONOGENESIS contributed to the UNEP Adaptation Gap Report 2023, AGR2024 and the UNEP Adaptation Finance Gap Update 2023. The work included analysis to estimate the costs of adaptation and compare to finance flows, to identify the adaption finance gap for developing countries. The ECONOGENESIS results were cited in the UNFCCC Global Stocktake (COP28) and the COP29 negotiation text on the new collective quantified goal.

Decision -/CMA.6

3. *Highlights that* costed needs reported in nationally determined contributions of developing country Parties are estimated at USD 5.1–6.8 trillion for up until 2030 or USD 455–584 billion per year¹ and adaptation finance needs are estimated at USD 215–387 billion annually for up until 2030² and *notes with concern* the gap between climate finance flows and needs, particularly for adaptation in developing country Parties;³

A key focus has been to highlight the equity and distributional issues around adaptation finance, and who ultimately pays for adaptation.



National Level Results

At the national level, ECONOGENESIS is undertaking detailed household surveys, in Rwanda, Nepal and Tanzania.

The Rwandan surveys are now complete and provide key insights to the emerging impacts of rising climate change, and how these impacts vary with gender and social group.

The analysis has found that economic and non-economic losses are disproportionately high among women headed households and among the poorest households (as a proportion of income).

Distribution of damage costs from climate related disaster by household headship average income levels

Household headship	Floods	Landslides	Heavy rain/ windstorms	Drought
Female- headed households	288%	1120%	149%	121%
Male- headed households	323%	789%	127%	98%

	Floods	Landslides	Heavy rain/ windstorms	Drought
Non-poor households	197%	415%	73%	61%
Vulnerable households	293%	273%	58%	45%
Poor households	370%	672%	129%	77%
Severely poor households	536%	1049%	158%	128%

These results are being fed into the Loss and Damage Chapter of Rwanda's NDC 3.0.

The project is now focusing on the economic analysis of adaptation and looking at the potential for scaling up private adaptation, working with the Rwanda Green Fund.

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