

## Call for Evidence

### **Natural Capital and Ecosystem Services along the Kagera River, Northern Tanzania**

Closing date: 30 September 2020

The International Institute for Sustainable Development (IISD) and the Green Growth Knowledge Partnership (GGKP) will apply and customize the Sustainable Asset Valuation (SAVi) methodology for quantifying and valuing Natural Capital along and derived from the Kagera River in Northern Tanzania. We will pay particular attention to how natural capital can be affected by hydropower developments. For this purpose, we are searching for baseline data and studies on natural capital/ ecosystem services/ biodiversity value along and derived from the section of the Kagera River, as it flows through Northern Tanzania.

#### Background

The International Institute for Sustainable Development (IISD) and KnowlEdge (KE) are collaborating with the Copernicus Climate Change Service (C3S), one of the six thematic information services provided by the EU'S Copernicus Earth Observation Programme, to integrate world-class data on climate into the [Sustainable Asset Valuation \(SAVi\)](#) methodology.

One of the pilot applications in Northern Tanzania (see map, Figure 1) is being conducted jointly with the Green Growth Knowledge Partnership (GGKP). This SAVi application will assess:

- a) How the development of hydropower and electricity transmission infrastructure in Northern Tanzania, planned alongside the Kagera River in Northern Tanzania, could impact or ideally enhance natural capital and ecosystem services delivered by the river and its surrounding ecosystem,
- b) How the Kagera River and its ecosystems will be affected by climate change in the years to come.

Visit the SAVi website for more information: <https://www.iisd.org/savi/c3s-data/>

#### Data required

As we are aiming to value natural capital, biodiversity and ecosystem services we now seek for information on the following:

- Biodiversity data, including endangered species (in Northern Tanzania and border region with Uganda).
- Evidence on the prevailing state (baseline data) of natural capital, biodiversity and ecosystem services derived from the Kagera River and its path in Northern Tanzania and the final section in Uganda where the river finally flows into the Lake Victoria.
- Studies and projections on ecosystem services deterioration due to hydropower plants and transmission infrastructure in the area. And resulting adverse effects on ecosystem-dependent human activities, such as agriculture and irrigation, fishing, potential land-use conflicts, etc. Both the impacts during the construction and during the operation of hydropower projects and transmission infrastructure are relevant for our assessment.
- Impacts on natural capital and ecosystem services caused by constructing and operating other energy infrastructure, including Diesel generators, Solar PV and Onshore Wind.

**All information and data shared with us will be acknowledged and academically referenced.**



Figure 1: Kagera River. Location of interest in Northern Tanzania framed in red.

Source: Openstreetmap, <https://commons.wikimedia.org/w/index.php?curid=39219728>

## Submission of Information and Data

Please send the information and data via email to Laurin Wuennenberg, IISD:

[lwuennenberg@iisd.org](mailto:lwuennenberg@iisd.org)

## About IISD and GGKP

The [International Institute for Sustainable Development \(IISD\)](#) is an independent think tank championing solutions to our planet's greatest sustainability challenges. With our [Sustainable Asset Valuation \(SAVi\)](#) we calculate the costs of environmental, social and economic risks and externalities and demonstrate how these costs affect the financial performance of infrastructure assets.

The SAVi assessment at hand also [integrates climate data](#) from the [Copernicus Climate Data Store](#).

The [Green Growth Knowledge Partnership \(GGKP\)](#) is a global network of experts and organizations dedicated to providing the policy, business, and finance communities with knowledge, guidance, data, and tools to transition to an inclusive green economy. The GGKP, with support from the [MAVA Foundation](#) and the GGKP [Natural Capital Expert Group](#), is facilitating this assessment to demonstrate the value of the natural capital approach to infrastructure finance and green growth.