Nbs is the use of ecosystems and their services to address societal challenges such as climate change, food security, and natural disasters. Nbs is a natural choice to provide solutions to current and future challenges. Nbs has the potential to produce economic, social, and environmental co-benefits, contributing to the conservation of biodiversity and sustainable development.

Elements for Ecosystem-based Adaptation

**Ecosystem-based Adaptation (EbA)**

- **Mitigates social and environmental vulnerabilities**
- **Generates social benefits in the context of climate change adaptation**
- **Ensures active and sustainable use of biodiversity and ecosystem services**
- **Restores, maintains, and/or improves ecosystem health**
- **Is supported by policies at multiple levels**
- **Supports equitable governance and enhances capacities**

**Characteristics of a Water Fund**

- A long-term strategy to address impacts for the conservation of water resources
- It is a climate change adaptation mechanism that responds to local realities
- Flexibility adapts to local realities
- Innovation brings together public and private actions in water management
- Transparency ensures accountability processes
- Financing is based on local and capital resources

**Operation of a Water Fund**

1. **Identifies the possibility of implementing a Water Fund**
   - GIZ supports the identification of the need for a Water Fund

2. **Launches the Fund**
   - GIZ supports the establishment of the fund

3. **Governance of the Fund**
   - GIZ supports the establishment of the fund

4. **Achieves agreements for the formulation of the fund**
   - GIZ supports the establishment of the fund

5. **Protection of water resources**
   - GIZ supports the establishment of the fund

6. **Risk(s) reduction**
   - GIZ supports the establishment of the fund

7. **Sustainability**
   - GIZ supports the establishment of the fund

**What are Water Funds?**

Water Funds are stable, transparent and long-term financial mechanisms that gather a variety of issues and société to fund activities to overcome problems related to hydrological management. They are based on the use of natural infrastructure with an integrated water resources management approach (FAO, 2018).

Water Funds emerge from the need to guarantee continuous and long-term economic resources to finance activities that prevent conservation and maintain the provision of nature's benefits and water resources. For this, it is necessary to provide technical support, strengthening and including local stakeholders capacities for water users.

**How does a Water Fund work?**

GIZ-ALC is a sector network that promotes environmental management and local communities to Latin America and the Caribbean. It is a regional platform for cooperation and exchange of technical expertise among counterparts and participating parties and the GIZ.

GIZ-ALC supports the exchange of activities using virtual formats and expands its actions through the promotion of cooperative funds that develop innovative ideas. In this context, it is a network focused on developing expertise in technical and financial mechanisms to reinforce water and environmental functions in an Ecosystem-based Adaptation measure.

AquaNature is a company with a social vision that pursues an integrated water resource management approach for integrated water resources management. It promotes the use of biodiversity and ecosystem services as part of an overall adaptation strategy to help people adapt to the adverse effects of climate change. It aims at maintaining and increasing the resilience and reducing the vulnerability of ecosystems and people in the face of the adverse effects of climate change.

**Nature-based Solutions (NbS)**

- **Restoration**
- **Issue-specific**
- **Infrastructure**
- **Management**
- **Protection**

**AquaNature**

- **Restoration**
- **Issue-specific**
- **Infrastructure**
- **Management**
- **Protection**

**Elements and Criteria for Ecosystem-based Adaptation**

**Criteria**

- **Reduces social and environmental vulnerabilities**
- **Generates social benefits in the context of climate change adaptation**
- **Ensures active and sustainable use of biodiversity and ecosystem services**
- **Restores, maintains, and/or improves ecosystem health**
- **Is supported by policies at multiple levels**
- **Supports equitable governance and enhances capacities**

**Water Funds: an option to implement Ecosystem-based Adaptation measures (EbA)**

- **Facilitates local adaptation strategies**
- **Funds are based on local realities**
- **Flexibility adapts to local realities**
- **Innovation brings together public and private actions in water management**
- **Financing is based on local and capital resources**
- **Sustainability ensures accountability processes**
- **Transparency**
- **Governance**

**Environment**

- **Climate change**
- **Food security**
- **Natural disasters**

** solução**

- **Ecosystem-based Adaptation**

**Web:** [www.giz.de](http://www.giz.de)
Sustainable socio-economic activities

Activities implemented through Water Funds are innumerable and respond to the particularities of the local context in which they are applied. These actions can be implemented in the upper, middle and lower basin. Some examples are:

- Measures which could be implemented through Water Funds
- Water Funds are financial mechanisms, which support the conservation efforts of users financing measures that improve water management and offer great potential for climate change adaptation.

Water Funds are an option to implement Ecosystem-based Adaptation (EbA) measures

The implementation of EbA measures links biodiversity and ecosystem conservation approaches with sustainable socio-economic development as part of an overall strategy to advise helping communities to adapt to shocks and risks associated with climate change.

- Monitoring
- Restoration of natural or modified ecosystems
- Restoration and promotion of sustainable socio-economic activities
- Monitoring and control of protected areas
- Applied research
- Environmental awareness and education
- Environmental programmes
- Restoration of ecosystems
- Control of protected areas
- Applied research
- Environmental awareness
- Sustainable socio-economic activities
- Environmental education
- Sustainable socio-economic activities