

Simplified Approval Process

Annex 7: Risk assessment and management



RISK ASSESSMENT AND MANAGEMENT

1. Risk factors and mitigations measures (max. 2 pages)		
Selected Risk Factor 1		
Category	Probability	Impact
Technical and operational	Medium	Medium
Description		
There is a risk that data sharing is hindered by lack of coordination / willingness of agencies to share data or by technical constraints (e.g., bandwidth issues or local mobile telecommunication networks)		
Mitigation Measure(s)		
Data sharing mechanisms, protocols and agreements will ensure that all eventualities are covered, including technical failures, with appropriate backup and access mechanisms for all relevant stakeholders. Cost recovery measures may also be applied to ensure costs of databases and tailored product operationalizing are covered. The mitigation measures should lower the risk level to low		
Selected Risk Factor 2		
Category	Probability	Impact
Technical and operational	High	Low
Description		
Installed hydro-meteorological equipment fails because it is vandalized or not properly maintained.		
Mitigation Measure(s)		
Awareness raising activities will be undertaken in target communities to highlight the importance of the installed equipment. Community-based observers and technicians responsible for servicing equipment will be identified and will be involved in communicating the purpose of the equipment, as well as engaging in co-production of information products. Further the equipment will be equipped with argos tracking tags, whenever possible. The equipment will be housed within a secure fence. Project finances include budgets for spare parts (which will be ordered with equipment to ensure they are available) as well as funding for O&M activities and training courses. Agreements will be signed with the NMHS to protect the equipment during their lifetime (e.g., equipment insurance where possible).		
Selected Risk Factor 3		
Category	Probability	Impact
Governance	Medium	Low
Description		
Staff turnover impedes capacity building and retention of skills and knowledge in the relevant institutions		
Mitigation Measure(s)		
The project capacity building activities will be undertaken with inclusion and ownership of staff at all levels and across agencies using a 'training of trainers' approach to ensure that the skills and knowledge are replicated and sustained across the relevant institutions. Community members will be capacitated for use of the products as well as engaged in the development of climate products and measures to ensure ownership. The mitigation measures should keep the risk level as low		
Selected Risk Factor 4		
Governance	Medium	Medium
Description		
Inadequate financing for operation and maintenance undermines the functionality of the hydrometreological system		
Mitigation Measure(s)		
Efforts will be made throughout the project implementation to ensure that sustainable funding and human resources are in place for the implementation of the project and beyond project implementation, by applying the following		

mechanisms to support O&M. This will be done through (i) Introducing value-added services through cost recovery of meteorological services and commercial services (ii) Promoting Public-Private Engagement (PPE) and (iii) Establishing business plans for revenue generation and license fees.

Selected Risk Factor 5		
Category	Probability	Impact
Technical and operational	Low	Low
Description		
There is a risk that climate-related hazards will damage the hydro-meteorological equipment during and after the project lifetime. For example, tropical cyclones and storms could destroy automatic weather stations and communication infrastructure if those are not carefully placed using resilient materials.		
Mitigation Measure(s)		
Sierra Leone is affected by climate-related hazards which could cause damages to the newly established equipment. Attention will be given to site selection to install new equipment in 'risk-free' areas –e.g., avoiding low-land areas affected by floods. This will, be ensured by installing equipment in similar locations to previously set equipment if this location is known for not being affected by climate-related hazards and extremes. In addition, all infrastructure and equipment will be built with adequate construction materials and efficient design to be resilient to severe and frequent tropical cyclone events, floods, high winds etc (future-proof). Finally, enhanced climate-related forecasts and risk assessments will enable the NMHS to protect or remove movable equipment when a warning is issued		
Selected Risk Factor 6		
Technical and operational	Low	Low
Description		
Location of infrastructure leads to detrimental social and cultural effects.		
Mitigation Measure(s)		
Stakeholder consultations will be undertaken prior to the selection of infrastructure sites to ensure no adverse impacts. The mitigation measures should keep the risk level as low		
Selected Risk Factor 7		
Technical and operational	Low	Low
Description		
There is a risk that demand-based models remain weak, and the private sector will resist dialogue and changes in the regulatory environment governing their access to weather/climate data.		
Mitigation Measure(s)		
Broad set of public and private sector actors will be scoped to identify needs for weather and climate services. The project will support studies that will include willingness-to-pay assessments and identification of incentives, partnerships, and business models for generation and use of EWs and CI, for the value-added, tailored products. Market development efforts can also incentivize private sector without changes in regulatory frameworks. The mitigation measures should lower the risk level to low		
Selected Risk Factor 8		
Technical and operational	Low	Low
Description		
Loss of credibility for early warning system due to failure to warn of a disaster on time (due to technical or operational issues) or providing too many false alarms.		
Mitigation Measure(s)		
The proposed project will ensure that the best and most up to date training is provided as well as the use of state-of-the-art technology and scientific methodologies suitable to the local context, as well as engaging with communities to understand the information needs and co-produce the desired information. Further to these activities it will be necessary to ensure that populations and communities are aware of any limitations and that forecast concepts, such as probability, are clearly understood. The mitigation measures should lower the risk to low		

2. AML/CFT* and Prohibited Practices compliance due diligence assessment (max. 1 page)		
Category	Probability**	Impact***
Sanctions	Low	LOW (<5% OF PROJECT VALUE)
Reputational	Low	LOW (<5% OF PROJECT VALUE)
Prohibited Practices	Low	LOW (<5% OF PROJECT VALUE)
<p><i>If the Executing Entity is different from the Accredited Entity, please include an annex providing further KYC details, e.g., on the beneficial ownership/control structure, and exposure to Politically Exposed Persons (PEPs) etc.</i></p>		
<p>3. Other potential risks in the horizon</p>		
<p>N/A</p>		