

CLIMATE RESILIENCE



The UNDP Timor-Leste in partnership with the Government of Timor-Leste and funding from the Green Climate Fund (GCF) is implementing the project “Safeguarding Rural Communities and their Physical Assets from Climate Induced Disasters in Timor-Leste”. The main objective of the project is to safeguard vulnerable communities and their physical assets from climate-induced disasters mainly floods, landslides, erosion, and droughts. It aims to address existing institutional, financial, and legislative barriers, increasing the climate resilience of vulnerable small-scale rural infrastructure. The main activities of the project include climate risk information system development, construction/rehabilitation of 130 units of climate-smart small-scale rural infrastructure (rural roads, irrigation systems, water supply and flood protection) and catchment management through an eco-based approach.

National Priorities



National priorities from Timor-Leste Strategic
Development Plan 2011-2030

- ✓ Environment and Climate Change
- ✓ Infrastructure Development
- ✓ Economic Development



Timor-Leste's National Adaptation
Programme of Action (NAPA)-2010

- ✓ Climate disaster risk reduction

Project Main Activities



Output 1: Climate risk information is developed, monitored and integrated into policies, regulations and institutions to inform climate resilient small-scale rural infrastructure planning and management.

- Develop and deliver climate risk information services and vulnerability mapping to all sectoral institutions
- Establish a database system for monitoring, recording and accounting climate induced damages in order to inform climate risk reduction planning and budgeting.
- Refine ordinances, regulations, and associated codes and standard to enable climate proofing small-scale rural infrastructure.



Output 2: Climate risk reduction and climate-proofing measures for small-scale rural infrastructure are implemented to build the resilience of vulnerable communities in six priority districts.

- Climate risk reduction measures for small-scale rural infrastructure are fully integrated into the planning and budgeting cycles of village and municipal development plans.
- Implementation of climate proofing measures for 130 units of small-scale rural infrastructure.
- Supporting catchment management and rehabilitation measures to enhance climate resilient infrastructure and communities through plantation of 1500 Hectares.

Quick Facts

Project Title

Safeguarding Rural Communities and Their Physical
Assets from Climate Induced Disaster in Timor-Leste

Duration

March 2020- March 2026

Beneficiaries

175,840 direct beneficiaries

Total Budget

US\$59,443,867

Government Counterparts

SEA, MSA, MI-SSCP, MAF,
Ministry of Public Works

Project Municipality

Liquica, Aileu, Ermera, Baucau,
Lautem and Viqueque.

Funded by



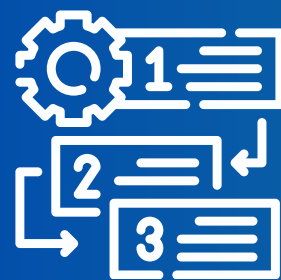
SDG alignment



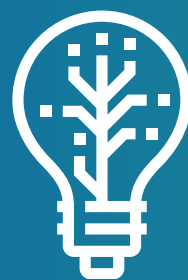
Key Development Challenges



Incomplete policies, standards and regulations that limit the implementation of infrastructure.



Weak capacity of municipal and village level institutions to plan, implement, and maintain network rural infrastructure.



Limited technical capacity to engineer climate proofing measures to infrastructure.



Limited options for financing climate resilient decentralized small-scale rural infrastructure at sub-national level.

Key Results

Climate risk information system development



Timor Emergency Response System (TERS) has been established.

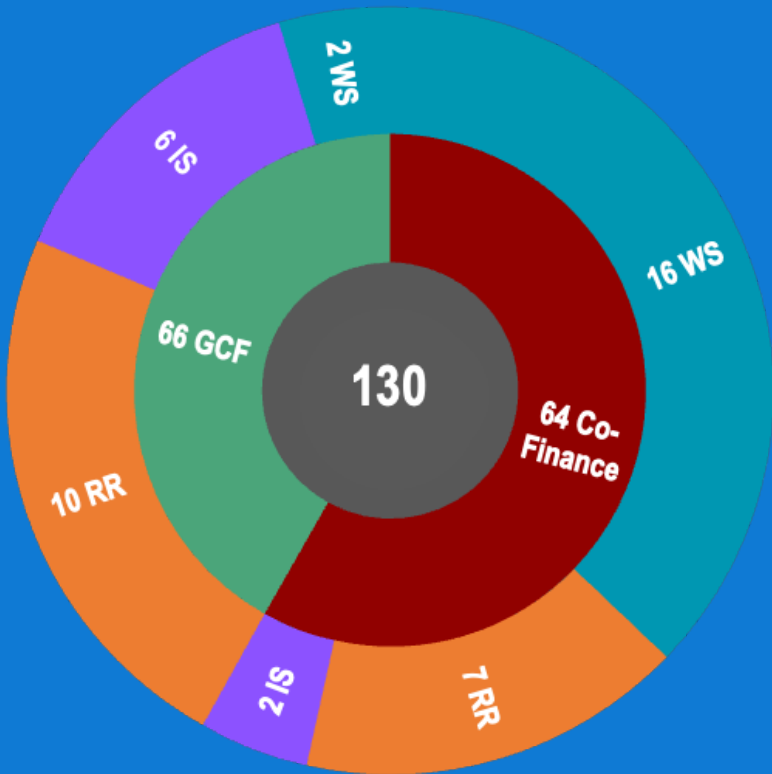


Developed 4 sets of national hazard maps covering Timor-Leste for floods, landslide, erosion, and drought.



Established Spatial Data Infrastructure (SDI) Laboratory in Civil Protection Authority department of Secretary state of Civil Protection.

Climate risk reduction & proofing measures for small scale rural infrastructure



Infrastructure Schemes				
	Rural Roads	Irrigation Channel	Water Supply	Flood Protection
GCF	32	12	20	2
Co-Finance	15	13	18	18
Total	47	25	38	20

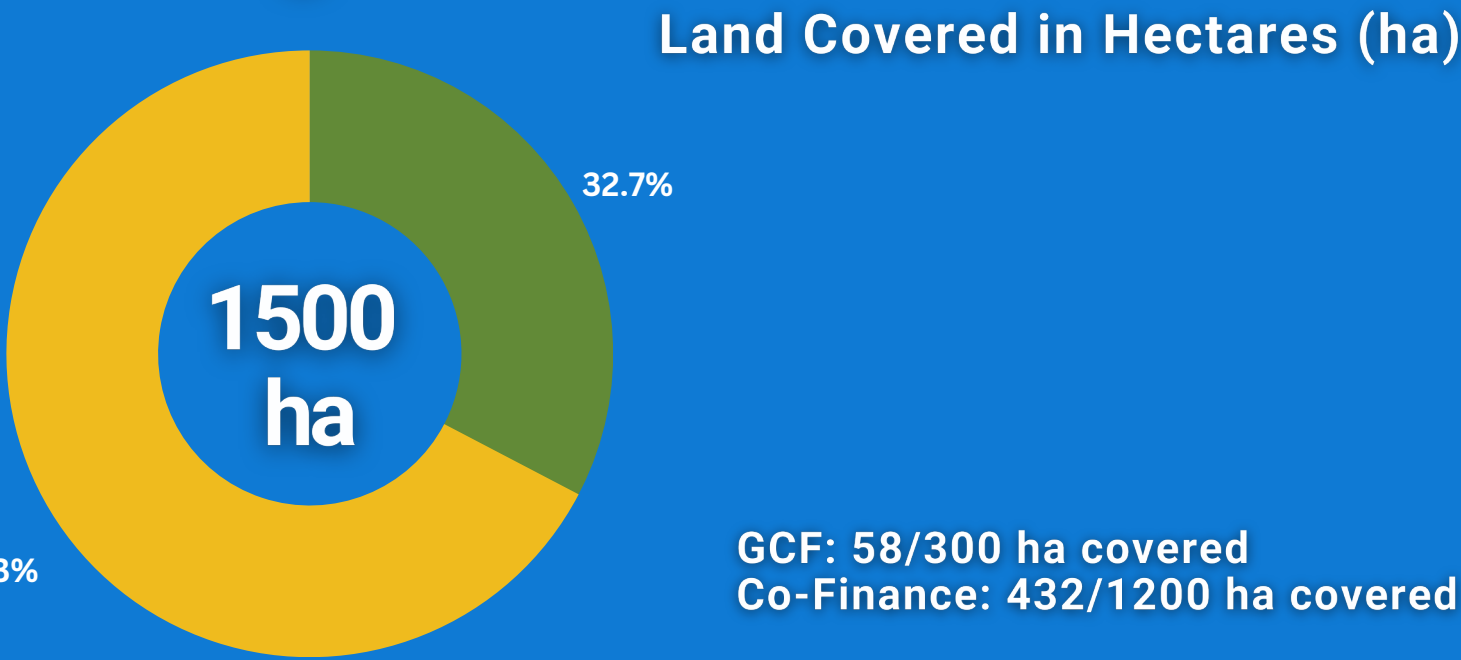
Capacity building



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Government staff recieved training in climate and disaster proofing of small-scale infrastructure, catchment management, drone, hazard mapping, and engineering.

Supporting catchment management and rehabilitation



Project Map



Voices

"The knowledge and skills I gained from this training showed that civil engineering is not only for men but also for women. As a woman engineer, I believe that I can contribute to my municipality by providing better supervision to improve infrastructure and rural roads".

Felizita da Conceição Mendonça, Engineer in the Ministry of Public Works



REZILÉNSIA KLIMÁTICA



UNDP Timor-Leste iha parseria ho Governu Timor-Leste no finansiamentu husi Fundu Verde Klima (FVK) implementa hela projetu “Salvaguarda Komunitade Rural Sira no sira-nia Patrimoni Fíziku husi Dezastre sira-ne’ebé kauza husi Klima iha Timor-Leste”. Objetivu Prinsipál husi projetu ne’e atu salvaguarda comunidade vulnerável sira no sira-nia patrimoni fíziku sira husi dezastre sira-ne’ebé kauza husi klima sira prinsipalmente inudasaun, rai-halai, erozasaun no bailoro naruk. Nia iha objetivu atu aborda barreira institusionál, finanseira no lejislativu ezistente sira, hasa’e reziliénsia ba alterasaun klimátika husi infraestrutura rural eskala ki’ik ne’ebé vulnerável. Atividade prinsipál husi projetu ne’e inklui dezvoltamentu sistema informasaun risku klimátika, konstrusaun/reabilitasaun infraestrutura rural eskala ki’ik no klimatikamente intelijente (estrada rural unidade 130, sistema irrigasaun, abastesimentu bee no proteasaun inundasaun) no jestaun kapturaaun hidrográfika liuhusi abordazen bazeia ba ambiente.

Prioridade Nasionál



Prioridade nasional sira husi Timor-Leste nia Planu
Estratéjiku Dezenvolvimentu 2011-2030



Timor-Leste nia Programa Asaun Nasionál
ba Adaptasaun (PANA)-2010



Ambiente no Alterasaun Klimátika



Dezenvolvimentu Infraestrutura



Dezenvolvimentu Ekonómiku



**Redusaun risku dezastre
klimátika**

Projetu nia Atividade Prinsipál



Output 1. Informasaun risku klimátika dezvoltadu, monitorizadu no integradu iha polítika sira, regulamentu sira no instituisaun sira hodi informa planeamentu no jestaun infraestrutura rural eskala ki’ik ne’ebé resiliente ba alterasaun klimátika.

- Dezenvolve no fornese servisu sira ba informasaun risku klimátika sira no mapeamentu vulnerabilidade sira ba instituisaun setorál sira.
- Estabelese sistema baze dados ba monitoriza, regista no kontabiliza estragu sira-ne’ebé kauza husi klima atu informa planeamentu no orsamentasaun.
- Halo di’ak liután dekretu sira, regulamentu sira, no kódigu no padraun asosiadu sira hodi permite proteasaun kontra alterasaun klimátika ba infraestrutura rural eskala ki’ik sira.



Output 2. Medida sira husi redusaun risku klimátika no proteasaun kontra alterasaun klimátika ba infraestrutura rural eskala ki’ik implementadu hodi harii reziliénsia husi comunidade vulnerável sira iha distritu prioritáriu neen.

- Medida sira husi redusaun risku klimátika sira ba infraestrutura rural eskala ki’ik integrada completamente ba iha siklu planeamentu no orsamentasaun sira husi planu dezvoltamentu suku no munisípiu.
- Implementasaun medida proteasaun kontra alterasaun klimátika sira ba unidade 130 husi infraestrutura rural eskala ki’ik sira.
- Apoiu jestaun basia hidrográfika no medida reabilitasaun sira hodi hasae reziliénsia klimátika husi infraestrutura no comunidade sira liuhusi plantasaun ektár 1500.

Fatus badak

Titulu Projetu

Salvaguarda Komunitade Rural no Sira-nia Patrimoni Fíziku husi Dezastre Kauza husi Klima iha Timor-Leste

Durasaun

Marsu 2020- Marsu 2026

Benefisiáriu

175,840 beneficiáriu direta

Total Orsamentu

US\$59,443,867

Parseiru

SEA, MSA, MI-SSCP, MAF,
Ministeiru Obras Publiku

Projetu iha Munisípiu

Liquiça, Aileu, Ermera, Baucau,
Lautem no Viqueque.

Finansia husi



Aliñamentu ODS



Dezafiu Prinsipál Dezenvolvimentu



Polítika, padraun no regulamentu la kompletu ne'ebé limita implementasaun infraestrutura.



Kapasidade fraka husi instituisaun nível munisipál no suku sira hodi planu, implementa, no mantein rede infraestrutura rurál.



Kapasidade tékniku limitadu atu projeta medidada protesaun kontra alterasaun klimátika sira ba infraestrutura.



Opsaun limitada sira ba finansiamentu ba protesaun kontra alterasaun klimátika ba infraestrutura rurál eskala ki'ik descentralizadu.

Rezultadu Prinsipál

Dezenvolvimentu Sistema informasaun risku klimátika



Timor nia Sistema Resposta Emerjénsia (TSRE) estabelese tiha ona.

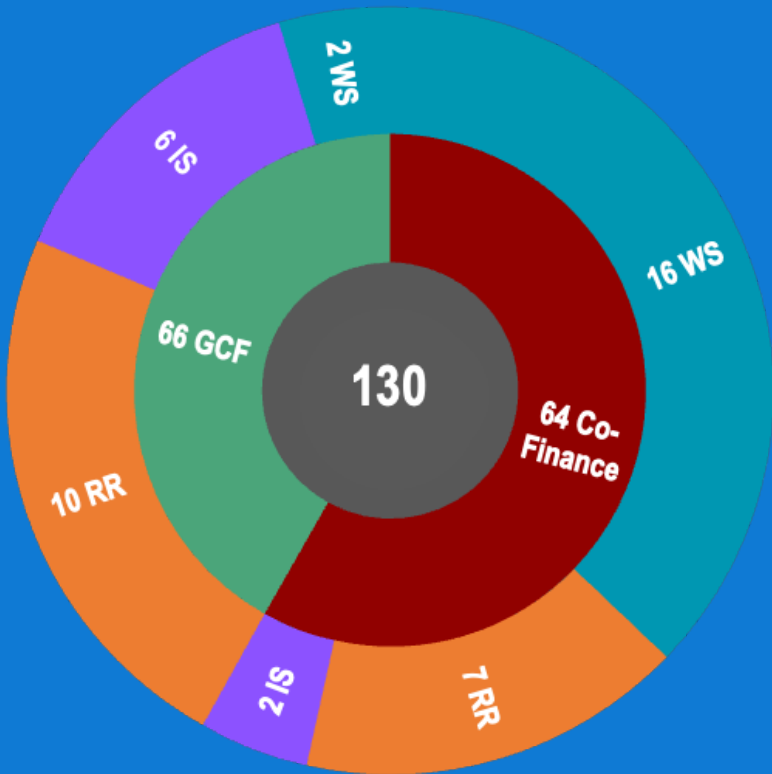


Dezenvolve tiha ona konjuntu 4 husi mapa pergiu nasionál sira kobre Timor-Leste ba inundasaun sira, rai-halai sira, erozaun, no bailoro naruk.



Estabelese tiha ona Laboratóriu Dadus Espasiál Infraestrutura (DEI) iha departamentu Autoridade Protesaun Sivíl husi Sekretártiu Estadu ba Protesaun Sivíl

Redusaun risku klimátiku & medida provasaun ba infraestrutura rurál eskala ki'ik



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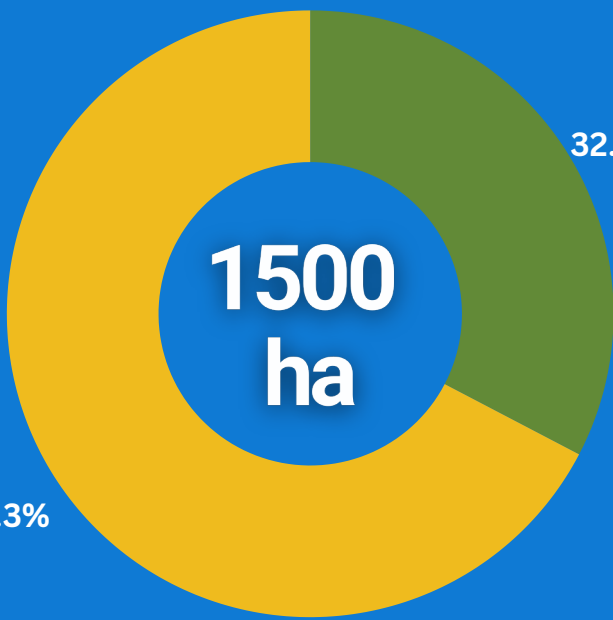
Kapasitasaun



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Funionáriu governu simu ona formasaun iha protesaun kontra alterasaun klimátika no dezastre husi infraestrutura eskala ki'ik, jestaun basia idrográfika, dreno, mapeamentu perigu, no enjeñaria.

Apoiu jestaun basia idrográfika no rehabilitasaun



Terrenu ne'ebé kobre ona iha ektare (ha)

GCF: 58/300 ha kobre
Ko-finansia: 432/1200 ha kobre

Mapa Projetu



Lian

Koñesimentu no abilidade sira-ne'ebé maka ha'u hetan husi formasaun ida-ne'e hatudu katak enjeñaria sivil la'ós de'it ba mane sira maibé ba mós feto sira. Hanesan enjeñeira (feto) ida, ha'u fiar katak ha'u bele kontribui ba ha'u-nia munisípiu liuhusi fornese supervizaun di'ak liu hodi hasa'e infraestrutura no estrada rurál sira".

Felizita da Conceição Mendonça, Enjeñeira iha Ministériu Obras Públíka

