



Tunisia Integrated Disaster Resilience Program (P173568)

MIDDLE EAST AND NORTH AFRICA | Tunisia | Urban, Resilience and Land Global Practice | Requesting Unit: MNC01 | Responsible Unit: SMNUR
IBRD/IDA | Program-for-Results Financing | FY 2021 | Team Leader(s): Dina Nirina Ranarifidy, Mihasonirina Andrianaiva

Seq No: 5 | ARCHIVED on 28-Jul-2023 | ISR56613 | Created by: Dina Nirina Ranarifidy on 29-May-2023 | Modified by: Dina Nirina Ranarifidy on 18-Jul-2023

Program Development Objectives

Program Development Objective (from Program Appraisal Document)

To strengthen Tunisia's disaster risk management and financing, and to enhance the protection of the targeted population and assets from disaster and climate-related events.

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory

Implementation Status and Key Decisions

The World Bank conducted an implementation support mission in Tunis from May 15 to 19, 2023. A year and a half into implementation, the Program has entered a maturity phase with effective coordination mechanisms in place and the achievement of initial results in all four pillars of the Program. Key results include the improvement of the meteorological Vigilance map, the strengthening of real-time hydrological data collection activities and flood warning systems, and dissemination of the report on financial exposure to disasters in Tunisia. Based on the progress thus far, the Program is on track to achieve its PDO by the current closing date. Since effectiveness, EUR 10,3 million have been disbursed (Program's advance). Immediate next steps include the verification of the results achieved in year 1 (approximately € 4,686,609) by the Court of Accounts (Independent Verification Agency) and the effective implementation of the Program's Grievance Redress Mechanism at the local level. The next implementation support mission is tentatively scheduled in November 2023.

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P173568	IBRD-92170	Effective	USD	50.00	50.00	0.00	10.84	37.38	22%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P173568	IBRD-92170	Effective	11-Mar-2021	03-Jun-2021	14-Dec-2021	30-Jun-2027	30-Jun-2027



DLI Disbursement

DLI ID	DLI Type	Description	Coc	DLI Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for DLI
Loan: IBRD92170-001							
1.1	Regular	DLI 1.1 - Cumulative Value Works of Sele	EUR	8,260,000.00	Not Achieved	0.00	
1.2	Regular	DLI 1.2 - # Selected Urban Flood Risk Re	EUR	6,195,000.00	Not Achieved	0.00	
2.1	Regular	DLI 2.1 - INM org chart approved by Borr	EUR	826,000.00	Not Achieved	0.00	
2.2	Regular	DLI 2.2 - Data exchange protocols teste	EUR	826,000.00	Not Achieved	0.00	
2.3	Regular	DLI 2.3 - Draft regulations finalized &	EUR	826,000.00	Not Achieved	0.00	
2.4	Regular	DLI 2.4 - Data regulations exchange to s	EUR	826,000.00	Not Achieved	0.00	
3.3i	Regular	DLI 3.3i - SYCOHTRAC and all other exist	EUR	826,000.00	Not Achieved	0.00	
3.4	Regular	DLI 3.4 - Carte de Vigilence expanded	EUR	826,000.00	Not Achieved	0.00	
3.1i	Regular	DLI 3.1i - The Meteorological Alert MAP	EUR	619,500.00	Not Achieved	0.00	
3.2	Regular	DLI 3.2 - Climate & hydrometeorological	EUR	826,000.00	Not Achieved	0.00	
3.5	Regular	DLI 3.5 - Impact-based forecast & risk-b	EUR	826,000.00	Not Achieved	0.00	
3.6	Regular	DLI 3.6 - Carte de Vigilence improved	EUR	826,000.00	Not Achieved	0.00	
4.1	Regular	DLI 4.1 - Hydrdrometeorological commercia	EUR	1,239,000.00	Not Achieved	0.00	
4.2	Regular	DLI 4.2 - Hydrdrometeorological commercia	EUR	1,239,000.00	Not Achieved	0.00	
5.1	Regular	DLI 5.1 - Adopted DRF strategy-Council o	EUR	2,374,750.00	Not Achieved	0.00	
5.2	Regular	DLI 5.2 - Legal provisions-fin arrangeme	EUR	2,478,000.00	Not Achieved	0.00	
5.3i	Regular	DLI 5.3i - Communication compain dedicat	EUR	206,500.00	Not Achieved	0.00	
6.1i	Regular	DLI 6.1i - Public private steering	EUR	206,500.00	Not Achieved	0.00	
6.2	Regular	DLI 6.2 Actuarial model & insurance is o	EUR	826,000.00	Not Achieved	0.00	
6.3	Regular	DLI 6.3 - 100% natural catastrophe insu	EUR	2,891,000.00	Not Achieved	0.00	



7.1	Regular	DLI 7.1 - Approved regulatory act-perman	EUR	826,000.00	Not Achieved	0.00	
7.2i	Regular	DLI 7.2i - permanent resilience structur	EUR	413,000.00	Not Achieved	0.00	
7.3	Regular	DLI 7.3 - DRM prerogatives in the JORT	EUR	826,000.00	Not Achieved	0.00	
7.4	Regular	DLI 7.4 - Regulatory & institutional ref	EUR	413,000.00	Not Achieved	0.00	
3.1ii	Regular	DLI 3.1ii - Hydrological collection	EUR	619,500.00	Not Achieved	0.00	
3.3ii	Regular	DLI 3.3ii - The Borrowers Dams telemetry	EUR	413,000.00	Not Achieved	0.00	
5.3ii	Regular	DLI 5.3ii - Coverage of public Financing	EUR	3,097,500.00	Not Achieved	0.00	
6.1ii	Regular	DLI 6.1ii - Financial Exposure database	EUR	206,500.00	Not Achieved	0.00	
7.2ii	Regular	DLI 7.2ii - Decree establishing DRM	EUR	413,000.00	Not Achieved	0.00	

Loan: COFNC2080-001

1.1	Regular	DLI 1.1 - Cumulative Value Works of Sele	EUR	8,000,000.00	Not Achieved	0.00	
1.2	Regular	DLI 1.2 - # Selected Urban Flood Risk Re	EUR	6,000,000.00	Not Achieved	0.00	
2.1	Regular	DLI 2.1 - INM org chart approved by Borr	EUR	800,000.00	Not Achieved	0.00	
2.2	Regular	DLI 2.2 - Data exchange protocols teste	EUR	800,000.00	Not Achieved	0.00	
2.3	Regular	DLI 2.3 - Draft regulations finalized &	EUR	800,000.00	Not Achieved	0.00	
2.4	Regular	DLI 2.4 - Data regulations exchange to s	EUR	800,000.00	Not Achieved	0.00	
3.1i	Regular	DLI 3.1i - The Meteorological Alert MAP	EUR	600,000.00	Not Achieved	0.00	
3.1ii	Regular	DLI 3.1ii - Hydrological collection	EUR	600,000.00	Not Achieved	0.00	
3.2	Regular	DLI 3.2 - Climate & hydrometeorological	EUR	800,000.00	Not Achieved	0.00	
3.3i	Regular	DLI 3.3i - SYCOHTRAC and all other exist	EUR	800,000.00	Not Achieved	0.00	
3.3ii	Regular	DLI 3.3ii - The Borrowers Dams telemetry	EUR	400,000.00	Not Achieved	0.00	
3.4	Regular	DLI 3.4 - Carte de Vigilance expanded	EUR	800,000.00	Not Achieved	0.00	
3.5	Regular	DLI 3.5 - Impact-based forecast & risk-b	EUR	800,000.00	Not Achieved	0.00	



3.6	Regular	DLI 3.6 - Carte de Vigilance improved	EUR	800,000.00	Not Achieved	0.00	
4.1	Regular	DLI 4.1 - Hydrometeorological commercia	EUR	1,200,000.00	Not Achieved	0.00	
4.2	Regular	DLI 4.2 - Hydrometeorological commercia	EUR	1,200,000.00	Not Achieved	0.00	
5.1	Regular	DLI 5.1 - Adopted DRF strategy-Council o	EUR	2,300,000.00	Not Achieved	0.00	
5.2	Regular	DLI 5.2 - Legal provisions-fin arrangeme	EUR	2,400,000.00	Not Achieved	0.00	
5.3i	Regular	DLI 5.3i - Communication compain dedicat	EUR	200,000.00	Not Achieved	0.00	
5.3ii	Regular	DLI 5.3ii - Coverage of public Financing	EUR	3,000,000.00	Not Achieved	0.00	
6.1i	Regular	DLI 6.1i - Public private steering	EUR	200,000.00	Not Achieved	0.00	
6.1ii	Regular	DLI 6.1ii - Financial Exposure database	EUR	200,000.00	Not Achieved	0.00	
6.2	Regular	DLI 6.2 Actuarial model & insurance is o	EUR	800,000.00	Not Achieved	0.00	
6.3	Regular	DLI 6.3 - 100% natural catastrophe insu	EUR	2,800,000.00	Not Achieved	0.00	
7.1	Regular	DLI 7.1 - Approved regulatory act-perman	EUR	800,000.00	Not Achieved	0.00	
7.2i	Regular	DLI 7.2i - permanent resilience structur	EUR	400,000.00	Not Achieved	0.00	
7.2ii	Regular	DLI 7.2ii - Decree establishing DRM	EUR	400,000.00	Not Achieved	0.00	
7.3	Regular	DLI 7.3 - DRM prerogatives in the JORT	EUR	800,000.00	Not Achieved	0.00	
7.4	Regular	DLI 7.4 - Regulatory & institutional ref	EUR	400,000.00	Not Achieved	0.00	
8	Regular	FEF NOT DISBURSABLE CATEGORY	EUR	100,000.00	Not Achieved	0.00	

Program Action Plan

Action Description	Program Operation Manual (POM) shall be adopted by the Recipient in a manner satisfactory to the WB.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU	Other	5 days after Effectiveness	Completed
Completion Measurement	POM document shared with task team and approved.				
Comments					



Action Description	Preparation of annual capacity building/training plan for the NMHS providers and report on the implementation.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		INM, MARHP (DGRE and DGBGTH)	Other	3 months after effectiveness	Delayed
Completion Measurement	(i) Annual capacity building/training plans prepared and approved. (ii) Report on capacity building/training plan implementation prepared and approved.				
Comments	The WB team has completed the capacity assessment of INM, is finalizing it for DGRE and is finalizing the report, which is expected to be completed by December 2022. The capacity building/training plan for DGBGTH has been prepared and approved.				

Action Description	Strengthen the capacity of the Governance Unit within the different ministries involved to enable these institutions to conduct the annual inspections and internal audit missions (for example, training and staffing)				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		MOF /INM / MEH / MT	Other	6 Months after effectiveness.	Delayed
Completion Measurement	Training is provided to the Governance Units.				
Comments	An integrated capacity-building plan was consolidated by PCU in December 2022 and will be implemented starting July 2023.				

Action Description	Preparation and implementation of an annual capacity building/training plan for the PMU and the Resilience Unit.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU	Other	6 months after effectiveness	Completed
Completion Measurement	Annual capacity building plan implemented.				
Comments	A capacity-building plan has been prepared by PMU with inputs from the operational teams. The capacity-building plan was submitted to CIPS for approval and its implementation begun in June 2023.				

Action Description	Stakeholders working group established, with Terms of Reference (ToR) and composition/designated focal points, for each project site for the development, testing and validation of MH-IBF-EWS, involving Hydromet Service Providers, ONPC, LG, NGO				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical	DLI 4	INM, MARHP (DGRE and DGBGTH), ONPC, LG.	Other	Report within 2 weeks after each meeting	In Progress



Completion Measurement	(i) Letter from the GoT confirming establishment of the Early Warning System Committee, including ToR and composition/focal points designated. (ii) Regular meetings of the Early Warning System Committee are held.
Comments	Two international exchange sessions were organized in Q1 2023 on EWS; draft ToRs were prepared and discussed with pillar II group and later on with pillar IV working group to ToRs for the EWS Committee expected to be finalized and approved by June 23

Action Description	Preparation of a technical note detailing the composition, structure and function of the national DRM platform.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU	Other	1 year after effectiveness	Completed
Completion Measurement	Technical note finalized.				
Comments	The working group met regularly to advance with the deliverables for Y2 and Y3. A concept note on the proposed overall risk governance system has been drawn up by the Pillar IV committee, detailing DRM platform roles and responsibilities				

Action Description	Preparation of an organigram, operating procedures and of the regulatory text creating the Permanent Resilience Structure.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU	Other	1 year after effectiveness	Delayed
Completion Measurement	The concept note on the risk governance system details the organization chart, operating procedures and role of the SPR. Details to be reflected in the draft decree currently being finalized by the Pillar IV Technical Committee				
Comments	The working group has been meeting to advance with the deliverables for Y2 and Y3. A training session on risk governance was organized during the November 22 mission, during which members agreed on the main vision for institutional reform.				

Action Description	Creation of a multi-stakeholder working group to support reforms on decentralization of DRM prerogative, and the preparation of the Action Plan to pursue and deepen the reforms of the normative and institutional framework for DRM in the country				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical	DLI 7	Coordination Unit/ ME (DGEQV)	Other	2 years after effectiveness	Completed
Completion Measurement	Regular meetings of the working group are held; recommendations for regulatory revisions are made.				
Comments	A multisectoral working group led by UCP has been set up. Discussions will focus on the decentralization of DRM after the objectives related to the creation of the permanent structure for resilience and the national platform have been achieved.				



Action Description	Preparation of the draft decree establishing the national DRM platform.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU, Permanent Resilience Structure	Other	2 years after effectiveness.	Not Yet Due
Completion Measurement	Draft decree finalized.				
Comments	The form, prerogatives, role and mode of operation of the Platform are described in the concept note on the risk governance system prepared by the Pillar IV technical working group. A draft decree is currently being drawn up.				

Action Description	Maintenance and equipment of the Permanent Resilience Structure with the adequate human resources and financial resources increasing regularly as per the text establishing its creation, and online DRM portal created and regularly updated.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		MOF, ME (DGEQV)	Other	3 years after effectiveness.	Not Yet Due
Completion Measurement	(i) Contracts signed. (ii) Budget increased annually (15% increase from Y1 to Y3 (baseline=Coordination Unit budget); 20% increase from Y1 to Y4; 25% increase from Y1 to Y5. (iii) An online DRM portal is created and regularly updated.				
Comments	Progress pending the creation of the Permanent Resilience Unit.				

Action Description	Preparation of draft of decrees specifying the decentralization of DRM prerogatives.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU; ME (DGEQV)	Other	3 years after effectiveness.	Not Yet Due
Completion Measurement	Draft decrees finalized.				
Comments	A multisectoral working group led by UCP, involving over 20 institutions has been set up. An Action Plan and milestones were defined.				

Action Description	Organization of high-level meetings of the National DRM Platform.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical		PMU	Other	4 years after effectiveness.	Not Yet Due



Completion Measurement	At least 2 annual meetings of the Platform gathering 75% of the members nominated in the creation decree organized.
Comments	Pending creation of the Permanent Resilience Unit.

Action Description	Monitor all program expenditures under ADEB and send monthly situations with the Program Financial Management Specialist within DGASGP (Coordination Unit).				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		MEH, MARHP, MOF, MT	Other	No later than 30 days after Effectiveness.	In Progress
Completion Measurement	Extraction from ADEB shared with the Program Financial Management Specialist.				
Comments	Program expenditure is executed via ADEB following the expenditure chain circuit. As of May 20, 2023, approximately 989,943 euros have been paid out. Total commitments amount to euros 17,890,155.				

Action Description	Strengthen the capacity of the Governance Unit within the different ministries involved to enable these institutions to conduct the annual inspections and internal audit missions (for example, training and staffing).				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		MOF, MARHP, MEH, MT	Other	6 Months after effectiveness	Delayed
Completion Measurement	Training is provided to the Governance Units.				
Comments	Not implemented - PCU has encouraged focal points to coordinate with their ministries in order to trigger inspection missions and verify training needs.				

Action Description	Develop an electronic integrated financial management and procurement tool to facilitate the monitoring of Program fiduciary implementation (Excel file).				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		PMU (DGASGP)	Other	6 Months after effectiveness	Completed
Completion Measurement	Integrated Fiduciary management tool (Excel file) deployed at the level of all implementing agencies.				
Comments	Tool developed. PCU has prepared an Excel spreadsheet that combines procurement and financial management, listing all stages of procurement and the amounts committed and paid. This table is regularly updated by PCU.				

Action Description	Conduct bi-annual inspections and internal audit missions covering procurement, financial, and technical aspects for each implementing agency of the program.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		Good Governance Unit, CGF	Other	1 Year After effectiveness and thereafter throughout	In Progress



				Program implementation	
Completion Measurement	Inspections and reviews of the Program activities by implementing agency submitted within the specified period to the coordination Unite/RU and the World Bank.				
Comments	PCU encouraged the focal points to coordinate with their ministries in order to trigger inspection missions and verify training needs.				

Action Description	Inclusion of the annual plan and budget of the Program in the draft Finance Law to be submitted to Parliament.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Fiduciary Systems		CGAB, PMU (DGASGP)	Other	1 year after Effectiveness	Not Yet Due
Completion Measurement	Program Budget lines identified in the national budget.				
Comments	The technical teams will prepare their budgets for the year 2024				

Action Description	Prepare and implement the relevant environmental and social assessments/plans including E&S Data sheet, ESIA/ESMP and, as applicable RAP, as part of the technical studies for flood reduction investments, and hydromet structures.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Recurrent	Yearly	Completed
Completion Measurement	E&S assessments/plan prepared and implemented, reviewed by WB environmental and social standards team and published under terms of reference acceptable to the WB and prior to the carrying out of any construction works.				
Comments	E&S assessments and plans prepared as part of the Program are not subject to prior review by the WB, but they must nevertheless comply with the E&S rules set out in the E&S Manual as prepared by PCU.				

Action Description	Designation of E&S focal points and GRM responsible in the PMU.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	No later than 30 days after Effectiveness.	Completed
Completion Measurement	Focal points designated under terms of reference acceptable to the World Bank				
Comments	The PMU has designated focal points for E&S and GRM.				

Action Description	Preparation and implementation of training modules and technical assistance program in E&S management of projects.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	2 Months after Effectiveness.	Delayed



Completion Measurement	Validation and implementation of a capacity building program to strengthen the skills of selected project staff.
Comments	The capacity-building plan for the program's operational teams has been consolidated by the PCU. The first training courses on E&S were organized by the PCU in June 2023.

Action Description	Establishment of a grievance redress mechanism (GRM).				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	1 year after Effectiveness.	Delayed
Completion Measurement	System in place and operational.				
Comments	The grievance register expected to be set up in municipalities affected by work under DR 1 from July 2023, with monitoring from GRM FP. A digital system for filing complaints will also be available on the program website in early 2024				

Action Description	Preparation of an Environmental and Social Technical Manual (ESTM), filling the gaps identified in the ESSA and defining the E&S procedures that will be applied to the activities of the first three results areas.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	2 Months after Effectiveness.	Completed
Completion Measurement	ESTM prepared under terms and conditions acceptable to the World Bank.				
Comments	ESTM prepared by PCU and approved by the World Bank team in November 2022, disseminated by PCU to all operational teams.				

Action Description	Recruitment of E&S consultant in order to support the PMU in the E&S management of projects.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	2 Months after Effectiveness.	Completed
Completion Measurement	E&S consultant designated under terms of reference acceptable to the World Bank				
Comments	A first tender was launched in November 2022 by PCU for the competitive selection of an E&S consultant but was unsuccessful. After revision of the terms of reference, the tender was expected to be relaunched in June 2023.				

Action Description	Establishment of a system for exchanging information and validating documents relating to E&S management (E&S data sheet ESIA, ESMP, E&S monitoring reports) resettlement and complaint management between Coordination Unit and OTs				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	2 months after Effectiveness	Completed



Completion Measurement	System in place and operational.
Comments	Integration of the documents proposed on the Environmental and Social Information Exchange System as annexes to the ESTM.

Action Description	Preparation of simplified technical guides for: <ul style="list-style-type: none"> • Management of Environmental and social impacts; • Public consultations ; • Land acquisition and involuntary resettlement • Grievance redress mechanism 				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Environmental and Social Systems		PMU	Other	6 Months after Effectiveness	Completed
Completion Measurement	Technical guides acceptable to the Bank adopted and integrated as an Annex to the POM.				
Comments	Simplified technical guides were prepared and annexed to the ESTM.				

Action Description	Development and implementation of a capacity building plan for DHU, based on a diagnosis of needs and on the findings of the NFRMP. Capacity building areas could include, amongst others, the prioritization of investments and their programming.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical	DLI 1	PMU, DHU	Other	2 years after effectiveness	In Progress
Completion Measurement	Plan validated and first round of trainings implemented.				
Comments	DHU shared a capacity building plan in May 2023 based on internal discussions within DHU and with the Ministry of Equipment. Ongoing procurement process.				

Action Description	NMHS Providers Technical Committee established with Terms of Reference (ToR) and composition/designated focal points, to strengthen institutional coordination and implementation of cross-cutting activities.				
Source	DLI#	Responsibility	Timing	Timing Value	Status
Technical	DLI 2	INM, MARHP (BPEH, DGRE and DGBGTH)	Other	2 months after effectiveness	Completed
Completion Measurement	(i) Letter from the GoT confirming establishment of the Hydromet Service Providers Technical Committee, including ToR and composition/focal points designated. (ii)Regular meetings of the Hydromet Service Providers Technical Committee take place.				
Comments					



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Substantial	☐ Substantial	☐ Substantial
Macroeconomic	☐ Substantial	☐ Moderate	☐ Moderate
Sector Strategies and Policies	☐ Substantial	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Substantial	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Moderate	☐ Moderate
Fiduciary	☐ Substantial	☐ Substantial	☐ Substantial
Environment and Social	☐ Substantial	☐ Substantial	☐ Substantial
Stakeholders	☐ Substantial	☐ Moderate	☐ Moderate
Other	☐ Substantial	☐ Moderate	☐ Moderate
Overall	☐ Substantial	☐ Moderate	☐ Moderate

Results

PDO Indicators by Objectives / Outcomes

Improving Flood Risk Reduction in Urban Areas				
▶ Number of people covered by urban flood risk reduction infrastructure supported by the Program - disaggregated by sex (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	90,000.00
Date	01-Jan-2021	16-Nov-2022	19-May-2023	30-Jun-2027
Comments	Direct beneficiaries of urban flood risk reduction infrastructure investments implemented by DHU under the PforR.			
Enhancing Disaster Preparedness				
▶ Number of people reached by Multi-Hazards Impact-Based Forecasts and Early Warning Services - disaggregated by sex. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200,000.00
Date	01-Jan-2021	01-Oct-2021	19-May-2023	30-Jun-2027
Comments	Direct beneficiaries of MH-IBF-EWS in selected vulnerable areas (disaggregated by sex) where the MH-IBF-EWS are developed, tested and validated by the NMHS Providers (in coordination and collaboration with stakeholders at national and local levels), taking into account the knowledge needs of women and men.			



Strengthening Financial Protection				
▶ Number of eligible beneficiaries of a public financing mechanism in line with the priorities and objectives set in the National DRF strategy, with a monitoring of the share of women beneficiaries. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,000,000.00
Date	01-Jan-2021	01-Oct-2021	19-May-2023	31-Dec-2025
Comments	Based on the conclusions of the DRF strategy, the Government establishes a public financial mechanism which will absorb some of the shocks of post-disaster recovery needs, in particular the needs of the DRF strategy's core beneficiaries. These beneficiaries may include the vulnerable and unable to afford insurance subpopulations (e.g., the poor, women and the elderly with limited access to financial services) and may also include assets. Two communication campaigns, one dedicated to the public at large, with specific actions targeting women (in particular female headed households.) and the most vulnerable and, a campaign aimed at actors in the sector: insurance professionals and policyholders will be conducted.			
▶ Natural Catastrophe risk insurance coverage. (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	12.75	12.75	12.75	100.00
Date	01-Jan-2021	01-Oct-2021	19-May-2023	31-Dec-2026
Comments	For better catastrophic risk insurance coverage of population and assets against disasters such as floods and earthquakes it is key to develop a better risk understanding. Development and maintenance of a financial exposure database for Tunisia, and construction and development of an actuarial model by a working group including the insurance sector regulator, the insurance and reinsurance sectors, as well as risk modelling and risk transfer academics are important in this context for the insurance sector to offer natural catastrophe risk insurance.			
Promoting institutional coordination and a sound regulatory environment for climate and DRM.				
▶ Institutional coordination mechanisms and the regulatory framework for climate and disaster risk management are strengthened. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Absence of an updated and integrated legal framework covering all DRM components. Existence of a 1991 Law focusing on emergency preparedness and response and establishing the National Commission and Regional Commissions for the Fight Against Calamities. Existence of a 2018 Local Government code transferring DRM-related responsibilities to municipalities.	Members of Pillar 4 (representatives from UCP, the Ministry of Agriculture (DGRE, DGBGTH), Ministry of Environment (DGEQV), Ministry of Equipment (DHU), ONPC, Ministry of Transport (INM)) and representatives from Presidency of the Republic, Prime Minister Office, Ministry of Defense and Ministry of Interior agreed on the main orientations of reform on institutional arrangements for DRM. This includes defining the main prerogatives of the Permanent Structure for Resilience (SPR), the National Platform for	A first draft of the regulatory text for the creation of the Permanent Resilient Structure (SPR) was prepared by the pillar IV working group and discussed during the first meeting of the Inter-ministerial Steering Committee (CIPS) in June 2023. The draft decree will be consolidated by the judicial entity of the Ministry of Finance during the month of July 2023 and submitted to a Ministerial Council for approval by December 2023. This will allow the triggering of the verification for DLI 7.1.	An action plan to continue the regulatory and institutional reform initiated through the Program, outlining the new institutional framework and roles and responsibilities and policy priorities to strengthen sustainable climate resilience and disaster risk management in Tunisia has been approved by the Borrower.



		<p>climate and disaster risk resilience, as well as the Inter-ministerial Steering Committee (CIPS)/ High Instance for Resilience. In addition, the Risk Governance Technical Committee, a multisectoral working group led by UCP in collaboration with ME, involving over 20 institutions has been set up and met twice in June and July 22.</p> <p>A first draft of the regulatory text(s) for the creation of the Resilience Permanent Structure and its organigram is expected to be finalized by December 2022, as well as a technical note on the Platform. These deliverables will form the basis of a broad consultation process expected to take place throughout the first semester of 2023.</p>	<p>It is worth highlighting that the Risk Governance Technical Committee, a multisectoral working group led by UCP in collaboration with ME involving over 20 institutions has been taking an active part in the consultations on the creation of SPR that occurred between January and March 2023. Additionally, the pillar IV working group has advanced on the technical note for the creation of the national DRM platform, which will form the basis of DLI 7.2 to be achieved in 2024.</p>	
Date	01-Jan-2021	16-Nov-2022	19-May-2023	30-Jun-2027
Comments	This indicator measures progress towards the promotion of institutional coordination and a strengthened regulatory framework for climate and disaster risk management.			

Intermediate Results Indicators by Results Areas

Improving Flood Risk Reduction in Urban Areas.				
▶ Urban flood risk reduction projects are implemented and completed. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	(i)Cumulative value of works implemented to date of flood risk reduction investment projects is TDM 112 (ii) Cumulative number of completed flood risk reduction projects is 6.
Date	01-Jan-2021	01-Oct-2021	19-May-2023	30-Jun-2027
Comments	This indicator measures if urban flood risk investment projects are implemented and completed. It covers urban flood risk reduction projects implemented by DHU over the Program duration, for which E&S studies are implemented.			



Enhancing Disaster Preparedness.				
► Organizational and institutional reform of the climate and hydrometeorological service providers in place. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	<ul style="list-style-type: none"> - Laws establishing the INM and the MARHP but no regulatory text exists to establish the hydromet value chain - INM organizational chart proposal, but not yet approved - No data sharing protocol except the agreement for Medjerda. Recently signed INM-MinAgri general agreement 	<ul style="list-style-type: none"> - The bidding document for the development of data exchange protocols throughout the hydromet value chain and related regulatory text has been prepared and advertised by mid-November 2022. - New INM organizational chart has not been approved yet, but is expected to be approved by the end of 2022. 	<ul style="list-style-type: none"> - The bid for the development of data exchange protocols throughout the HydroMet value chain and related regulatory text has been unsuccessful and is awaiting re-advertising (expected in July 2023). - New INM organizational chart has not been approved yet but is expected to be approved by the end of 2023. 	Regulations for data exchange adopted the Ministries concerned.
Date	01-Jan-2021	20-May-2022	19-May-2023	30-Jun-2027
Comments	This indicator measures the development and implementation of organizational and institutional reforms, including regulations for data exchange among the NMHS providers.			
► Production and implementation of MH-IBF-EWS, with emphasis on climate-related events (e.g floods). (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	<ul style="list-style-type: none"> - The first version of the 'Carte de Vigilance' exists - National weather forecasts exist, but need to be brought down to regional and local levels - Hydrological modeling only for Medjerda. 	<ul style="list-style-type: none"> - The meteorological "Carte de Vigilance" has been extended with additional hazards (heatwaves). - Eight bidding documents have been prepared; five have been advertised between June and August 2022, and are currently in evaluation; two are expected to be advertised in mid-November 2022; technical analysis and logistics required for the bidding process for the weather radars are currently in progress. These processes will support the implementation of eight activities required to improve monitoring systems that are part of the MH-IBF-EWS. 	<ul style="list-style-type: none"> - The meteorological "Carte de Vigilance" has been extended with additional hazards (heatwaves). - Two bids were unsuccessful and awaiting to be relaunched in July 2023. Eight bidding documents have been prepared and are awaiting publication by the end of 2023. Technical support has been provided on the bidding process for the weather radars and capacity building is expected to be delivered through WB TA as soon as S2 2023. One activity was adjusted for the membership to the ECMWF instead of the purchase of license 	The improved 'Carte de Vigilance' including Vigicrue and the impact-based forecasts and risk-based warnings are rolled out nationally.



			(ongoing); WB TA will support the delivery of the activity on numerical weather prediction as of S2 2023. These processes are supporting the implementation of 10 activities required to improve monitoring systems that are part of the MH-IBF-EWS.	
Date	29-Jan-2021	20-May-2022	19-May-2023	30-Jun-2027
Comments	This indicator measures key milestones in the development/production and implementation of the MH-IBF-EWS. These include: (i) the improvements of the 'Carte de Vigilance' with more weather- and climate-related hazards, and site-specific and impact-based warnings (at the municipality level), and expanded to cover flood warnings; and (ii) the development, testing, and validation of MH-IBF-EWS in selected vulnerable areas by engaging stakeholders at national and local levels, and communities (women, men, and vulnerable separated groups to adequately meet their needs), and then expanded and rolled out nationwide.			
► Enhanced business opportunities by developing products targeting selected sectors. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No products and services dedicated to sectors (except meteorological products and services for aviation).	No products and services are dedicated to sectors (except meteorological products and services for aviation). Bidding documents for the preparation of the Service Delivery Strategy and Action Plan and for Quality Management Systems have been prepared and advertised in August 2022; an output of this strategy includes the definition of the products for the Transport and Agriculture sectors.	No products and services are dedicated to sectors (except meteorological products and services for aviation). Bidding documents for the preparation of the Service Delivery Strategy and Action Plan and for Quality Management Systems have been prepared and advertised in August 2022; an output of this strategy includes the definition of the products for the Transport and Agriculture sectors.	Commercial products developed for the Agriculture sector tested and adopted.
Date	29-Jan-2021	20-May-2022	19-May-2023	30-Jun-2027
Comments	Strategies and action plans will be developed for the generation and issuance of target products and services for the Transport and Agriculture sectors. These strategies and action plans will be followed by implementation. In order to certify the quality of the products and services provided by the hydromet service providers, quality management systems will be planned and implemented; the bidding process is nearly completed and the contract is expected to be signed by December 2022.			
► The early warning systems in the country are strengthened. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	Absence of a national and regional levels early warning systems.	- Few elements of the EWS implemented with the support of other development partners. - Terms of Reference for an EWS Committee/Working Group have been drafted, but further discussions are required for finalization.	- Few elements of the EWS implemented with the support of other development partners. - Terms of Reference for an EWS Committee/Working Group have been drafted, but further discussions are required for finalization.	Establishment of early response plans at the national, regional and local level in pilot areas, EWS communication strategy.
Date	29-Jan-2021	20-May-2022	19-May-2023	31-Dec-2026
Comments	A national committee on Early Warning Systems (EWS) will be established to develop and manage early response plans at the national, regional and local levels, to prepare a communications strategy for EWS at the national level, and to disseminate the new EWS to population and stakeholders.			

Strengthening Financial Protection.				
► A sovereign disaster risk financing (DRF) Strategy is implemented. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Absence of a National DRF strategy.	Absence of a National DRF strategy.	Absence of a National DRF strategy.	Operationalization of the public financing mechanism and of the national compensation (claims) registry that collects disaggregated data on women's and men's coverage in case of disasters.
Date	01-Jan-2021	01-Oct-2021	19-May-2023	31-Dec-2026
Comments	A national disaster risk financing (DRF) strategy will be prepared and adopted by a Council of Ministers. It is a document that defines the priorities and objectives of the Government and corresponding actions to be achieved within the timeline of the program. The DRF strategy will identify the optimal mix of financial instruments to be used for DRF and will clearly define the role of the insurance sector, as a critical part of the financial risk management strategy. The implementation of the action plan of the DRF strategy includes the operationalization of a public financing mechanism and the creation of a national compensation (claims) registry and establishment of a compensation management process. Two communication campaigns, one dedicated to the public at large, with specific actions targeting women and the most vulnerable and, a campaign aimed at actors in the sector (insurance professionals and policyholders) will be conducted to inform on financial protection mechanisms.			
► An improved understanding of catastrophic risk and a developed actuarial model allowing the increase of the coverage of Nat Cat insurance. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No catastrophic risk data base and no actuarial model.	A catastrophic risk database and no actuarial model.	A catastrophic risk database and no actuarial model.	Dissemination of the insights coming from the finalized actuarial model and from the financial exposure database updates to the insurance sector.
Date	30-Jun-2020	20-May-2022	19-May-2023	31-Dec-2026



Comments	Development and maintenance of a financial exposure database for Tunisia, and construction and development of an actuarial model by a working group including the insurance sector regulator, the insurance and reinsurance sectors, as well as risk modelling and risk transfer academics. This is key for the increase in the natural catastrophe risk insurance coverage.
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Disbursement Linked Indicators

► DLI 1 Urban flood risk reduction projects are implemented and completed. (Outcome, 35,000,000.00, 0%)				
	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	None	None	None	NA
Date	--	20-May-2022	19-May-2023	--
Comments				

► DLI 2 Organizational and institutional reform of the climate and hydrometeorological service providers in place. (Outcome, 8,000,000.00, 0%)				
	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	<ul style="list-style-type: none"> - Laws establishing the INM and the MARHP but no regulatory text exists to establish the hydromet value chain. - INM organizational chart proposal, but not yet approved. - No data sharing protocol except the agreement for Medjerda. Recently signed INM-MinAgri general agreement. 	<ul style="list-style-type: none"> - The bidding document for the development of data exchange protocols throughout the hydromet value chain and related regulatory text has been prepared and advertised by mid-November 2022. - New INM organizational chart has not been approved yet, but it is expected to be approved by the end of 2022. 	<ul style="list-style-type: none"> - The bidding document for the development of data exchange protocols throughout the Hydromet value chain and related regulatory text was prepared and advertised by mid-November 2022. - New INM organizational chart still pending approval after over a one-year delay. Issue raised during the first strategic steering committee in June 2023. 	NA
Date	--	18-Nov-2022	19-May-2023	--
Comments				

► DLI 3 Production and implementation of MH-IBF-EWS, with emphasis on climate-related hazards (e.g floods). (Outcome, 14,000,000.00, 0%)				
	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	<ul style="list-style-type: none"> - The first version of the 'Carte de Vigilance' exists. - National weather forecasts exist, but need to be brought down to regional and local levels. - Hydrological modeling only for Medjerda. 	<ul style="list-style-type: none"> - The meteorological 'Carte de Vigilance' has been extended with additional hazards (Heatwaves). - Eight bidding documents have been prepared; five have been advertised between June and August 2022, and 	<ul style="list-style-type: none"> - The meteorological 'Carte de Vigilance' has been extended with additional hazards (Heatwaves). - Two bids were unsuccessful and awaiting to be relaunched in July 2023. Eight bidding documents have been 	NA



		are currently in evaluation; two are expected to be advertised in mid-November 2022; technical analysis and logistics required for the bidding process for the weather radars are currently in progress. These processes will support the implementation of eight activities required to improve monitoring systems that are part of the MH-IBF-EWS.	prepared and are awaiting publication by the end of 2023. Technical support has been provided on the bidding process for the weather radars and capacity building is expected to be delivered through WB TA as soon as S2 2023. One activity was adjusted for the membership to the ECMWF instead of the purchase of license (ongoing); WB TA will support the delivery of the activity on numerical weather prediction as of S2 2023. These processes are supporting the implementation of 10 activities required to improve monitoring systems that are part of the MH-IBF-EWS.	
Date	--	18-Nov-2022	19-May-2023	--
Comments				

► DLI 4 Enhanced business opportunities by developing products targeting selected sectors. (Outcome, 6,000,000.00, 0%)				
	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	No products and services are dedicated to sectors (except meteorological products and services for aviation). Bidding documents or the preparation of the Service Delivery Strategy and Action Plan and for Quality Management Systems have been prepared and advertised in August 2022; an output of this strategy includes the definition of the specific products for the Transport and Agriculture sectors.	No products and services are dedicated to sectors (except meteorological products and services for aviation). Bidding documents are being drafted to develop specific products for the Transport and Agriculture sectors.	No products and services are dedicated to sectors (except meteorological products and services for aviation). Bidding documents are being drafted to develop specific products for the Transport and Agriculture sectors.	NA
Date	--	18-Nov-2022	19-May-2023	--
Comments				

► DLI 5 Strengthening Tunisia's public financing protection mechanisms to respond to disasters. (Outcome, 20,000,000.00, 0%)



	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	No National DRF strategy.	Ongoing elaboration of an 18 months roadmap that will lay the groundwork for the national DRF strategy, completion by January 2023 and adoption by a Council of Ministers in March 2023.	Ongoing elaboration of an 18-month roadmap that will lay the groundwork for the national DRF strategy, completion by July 2023 and adoption by a Council of Ministers in December 2023.	NA
Date	--	18-Nov-2022	19-May-2023	--
Comments				

► DLI 6 Expanding the coverage of Natural catastrophe risk insurance. (Outcome, 10,000,000.00, 0%)

	Baseline	Actual (Previous)	Actual (Current)	Year 7
Value	Limited proportion of property damage contracts (excluding agricultural, air transport and maritime transport contracts) benefitting from a Nat-Cat option (12.75% in 2019).	<p>A summary report for the financial exposure to natural disasters database has been finalized and an updating exercise of the data base is ongoing. It will be an input to actuarial modeling work that will inform the design and inclusion of Nat Cat options in property damage contracts.</p> <p>A Ministerial Order from MoF has created the public-private steering committee on October 26th 2022.</p> <p>ToRs for actuarial modeling work to be shared by CGA by end of November 2022.</p>	<p>A summary report for the financial exposure to natural disasters database has been finalized and approved by the first meeting of the public-private steering committee in January 2023. It was publicly disseminated in March 2023 by the MoF and CGA.</p> <p>The first meeting of the public-private steering committee created on October 26th 2022 was held in January 2023.</p> <p>A WB technical assistance provided support to CGA on the actuarial modeling and a scoping note was delivered. It will inform the recruitment of firm to deliver a first version of the model by December 2023.</p>	NA
Date	--	18-Nov-2022	19-May-2023	--
Comments				

► DLI 7 Institutional coordination mechanisms and the regulatory framework for climate and disaster risk management are strengthened. (Outcome, 7,000,000.00, 0%)

	Baseline	Actual (Previous)	Actual (Current)	Year 7
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Value	<p>Absence of an updated and integrated legal framework covering all DRM components. Existence of a 1991 Law focusing on emergency preparedness and response and establishing the National Commission and Regional Commissions for the Fight Against Calamities. Existence of 2018 Local Government Code transferring DRM-related responsibilities to municipalities.</p>	<p>Members of Pillar 4 (representatives from UCP, the Ministry of Agriculture (DGRE, DGBGTH), Ministry of Environment (DGEQV), Ministry of Equipment (DHU), ONPC, Ministry of Transport (INM)) and representatives from Presidency of the Republic, Prime Minister Office, Ministry of Defense and Ministry of Interior agreed on the main orientations of reform on institutional arrangements for DRM. This includes defining the main prerogatives of the Permanent Structure for Resilience (SPR), the National Platform for climate and disaster risk resilience, as well as the Inter-ministerial Steering Committee (CIPS)/ High Instance for Resilience. In addition, the Risk Governance Technical Committee, a multisectoral working group led by UCP in collaboration with ME, involving over 20 institutions has been set up and met twice in June and July 22.</p> <p>A first draft of the regulatory text(s) for the creation of the Resilience Permanent Structure and its organigram is expected to be finalized by December 2022, as well as a technical note on the Platform. These deliverables will form the basis of a broad consultation process expected to take place throughout the first semester of 2023.</p>	<p>A first draft of the regulatory text for the creation of the Permanent Resilient Structure (SPR) was prepared by the pillar IV working group and discussed during the first meeting of the Inter-ministerial Steering Committee (CIPS) in June 2023. The draft decree will be consolidated by the judicial entity of the Ministry of Finance during the month of July 2023 and submitted to a Ministerial Council for approval by December 2023. This will allow the triggering of the verification for DLI 7.1. It is worth highlighting that the Risk Governance Technical Committee, a multisectoral working group led by UCP in collaboration with ME involving over 20 institutions has been taking an active part in the consultations on the creation of SPR that occurred between January and March 2023. Additionally, the pillar IV working group has advanced on the technical note for the creation of the national DRM platform, which will form the basis of DLI 7.2 to be achieved in 2024.</p>	NA
Date	--	18-Nov-2022	19-May-2023	--
Comments				