



جامعة النجاة الوطنية

An-Najah National University

المراكز العلمية | مركز التخطيط الحضري والحد من مخاطر الكوارث  
Scientific Centers | Urban Planning and Disaster Risk Reduction Center

**Consulting Services for:**

**Integrating Resilience in Local Governance in West Bank  
and Gaza (WB&G)**

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**Project: Municipal Development Program – Phase III Cycle II**

***Capacity Building for the NDRMC***

**Report: Training Courses Report**

**By:**

***Urban Planning and Disaster Risk Reduction Center (UPDRRC)***

***An- Najah National University***

**To:**

***Municipal Development and Lending Fund (MDLF)***



صندوق تطوير وإقراض الهيئات المحلية  
Municipal Development & Lending Fund



المركز الوطني لإدارة مخاطر الكوارث

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## **1.0 Introduction**

This report is related to phase E of the project. Phase E concentrates on the National Disaster Risk Management Center (NDRMC) capacity building.

This report describes the implemented training workshops, which were designed based on the Capacity Building report and related activities.

As mentioned in the inception report (based on the TOR of the assignment), the assignment will carry out a focused capacity-building intervention for the NDRMC to sustain project gains. The technical capacities of the NDRMC will be built to utilize the results of the multi-hazard risk assessments for planning, policy-making, and technical assistance provision to local governments. A capacity-building component will be implemented to create knowledge and practice for building resilience at the local level. The project will likewise support efforts to institutionalize these efforts through the leadership of the National Disaster Risk Management Council (NDRMC).

## **2.0 Description of the Implementation Phases for Designing and Conducting the CBP**

In order to design and implement a focused capacity-building program, groups of steps were to be applied:

### **2.1 Conducting training needs assessment**

- Existing Capacities of the NDRMC staff
- Identification of gaps

These activities were implemented by designing a data collection form (DCF). This DCF was distributed to all NDRMC staff and national team members. Then all the DCSs were collected and analyzed

- The consultant prepared a diagnostic report, and the existing capacities of the NDRMC staff and gaps were included in the report.

### **2.2 Identification of Training Topics / and Designing the training program**

Based on the analysis of the DCSs a training program was designed, discussed with NDRMC management, finalized, and approved.

The following table contains a description of the approved training program:

<b>Capacity Building Program Description</b>			
<b>Capacity Building Program General Goal</b>		Bridging the gaps and concentrating on the aim for NDRMC to sustain and/or build on the project's gains.	
<b>Capacity Building Topics</b>		<ul style="list-style-type: none"> <li>• <b>Risk assessment and management</b></li> <li>• <b>Global standards for risk management and international frameworks</b></li> <li>• <b>Use and manage platform risks and hazards</b></li> </ul>	
<b>Targeted staff</b>		NDRMC Staff, National Team Members, Geomolg Staff	
<b>Training Workshop</b>	<b>Duration</b>	<b>Main Topics</b>	<b>Intended results/outcomes</b>
<b>Risk Assessment and Management</b>	16 Hours (2 days training course)	<ul style="list-style-type: none"> <li>• Task Analysis and Teaching Objectives:</li> <li>• Accident Issues: (Theory, Investigation and Reporting, Statistics)</li> <li>• Disaster Planning and Risk Management Systems</li> <li>• The Concepts of Risk Reduction (RD) and Risk Management.</li> <li>• Assessing Risk and Resilience</li> </ul>	<ul style="list-style-type: none"> <li>• Examine features of risk/safety management systems;</li> <li>• Conduct job safety analysis and carry out risk assessment;</li> <li>• Recommend and implement risk controls;</li> <li>• Utilize accident theory as an investigative tool</li> </ul>

		<ul style="list-style-type: none"> <li>• Disaster Risk Reduction and Resilience Building.</li> <li>• Post Disaster Damage Assessment (Visual / Rapid Assessment).</li> <li>• The Relief and Sphere Project: Humanitarian Charter and Minimum Standard for Humanitarian Response.</li> <li>• Financing for DRR and Resilience</li> </ul>	<p>in accident causation;</p> <ul style="list-style-type: none"> <li>• Examine various approaches to safety auditing to be able to make appropriate choices;</li> <li>• Use a case study approach to accident investigation and reporting; and</li> <li>• Design and implement a disaster management plan</li> </ul>
<p><b>(Global Standards for Disaster Risk Reduction and Resilience)</b></p>	<p>16 Hours (2 days training course)</p>	<ul style="list-style-type: none"> <li>• Introduction to International Frameworks on DRR.</li> <li>• An overview of Global Goals for Sustainable Development (SDGs).</li> <li>• An overview of Climate Change and the Paris Agreement.</li> <li>• Chart of the Sendai Framework for Disaster Risk Reduction: Scope and purpose, expected outcome,</li> <li>• Goal, targets, priorities for actions, guiding principles, making cities resilient, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide a base framework for participants to better understand risk and resilience, enhance risk governance, and identify available financing mechanisms and opportunities.</li> <li>• Formulate DRR and resilience-building strategies and action plans at local and national levels.</li> </ul>
<p><b>Use and manage web-based map platform (exposure,</b></p>	<p>16 Hours (2 days training course)</p>	<p><b>Day 1 (morning):</b> Introduction to IRLG web-based map platform:</p>	<p>-Familiarize with concepts of geographic</p>

<p><b>vulnerability, hazard and risk)</b></p>		<p><u>Part 1:</u> Introduction map products: hazard, vulnerability, exposure and risk</p> <p><u>Part 2:</u> Exercise on using the platform, navigation and extraction of information.</p> <p><b>Day 1 (evening):</b> Introduction to Geographic Information Systems (GIS) and Software (QGIS, data types, geographic coordinate systems).</p> <p><b>Day 2 (morning - 6 hours):</b> Practicing QGIS software (data classification and styling, query, map layout, web services, consolidate project for the platform). Upon completion, users will be able to create their own maps to be uploaded on the web-based map platform</p> <p><b>Day 2 (evening – 2 hours):</b> Demonstrate how</p>	<p>information systems and open-source GIS Software, i.e., QGIS</p> <ul style="list-style-type: none"> <li>-Autonomous use of the platform frontend</li> <li>- Able to prepare hazard, exposure, vulnerability and risk maps that can be added to the map viewer</li> </ul>
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		to manage the platform: create projects, update maps, control map viewer features and metadata, and manage access.	
<b>Advanced management of the platform backend</b>	3-4 hours training course	A special training session will be delivered to the NDRM and GeoMolg IT experts on the management of the platform backend (dates TBD)	-Specific users (IT experts) will be able to manage the platform backend (manage access, debug, upload new projects, update existing maps and metadata and control the viewer interface).

### 2.3 Preparation of the training materials

Based on the approved training programs/training courses and topics, the consultants prepared a full training material to be used during the training workshops. These training materials include exercises, tools, presentations and other supporting documents that help the successful conduction of the training workshops.

The following Links contain the materials (presentations, Excursuses, demos) that were used in the training workshops:

- Training Course1 – Part 1  
[Uploads/file/First%20TC-/http://sasparm.najah.edu/ar/Jalal.pdf\\_Part%20one%20\\_RAand%20RM20%20%20](http://sasparm.najah.edu/ar/Uploads/file/First%20TC-/http://sasparm.najah.edu/ar/Jalal.pdf_Part%20one%20_RAand%20RM20%20%20)
- Training Course 1 – Part 2  
[-Uploads/file/First%20TC-/http://sasparm.najah.edu/ar/Jalal.pdf\\_Part%20two\\_General%20DRM20%20%20](http://sasparm.najah.edu/ar/Uploads/file/First%20TC-/http://sasparm.najah.edu/ar/Jalal.pdf_Part%20two_General%20DRM20%20%20)
- Training Course 2

[-Uploads/file/Second%20TC/http://sasparm.najah.edu/ar/Jalal.pdf\\_DRR%20and%20Resilience20%Global%20Frameworks%20for20%](http://sasparm.najah.edu/ar/Uploads/file/Second%20TC/http://sasparm.najah.edu/ar/Jalal.pdf_DRR%20and%20Resilience20%Global%20Frameworks%20for20%20)

- Training Course 3  
<https://drive.google.com/dOGvyGcE1cw6I05FmTGWfonPI86fyq-31/drive/folders/https://drive.google.com>
- Training Course 4  
[https://drive.google.com/drive/folders/1dOGvyGcE1cw6I05FmTGWfonPI86fyq-3?usp=share\\_link](https://drive.google.com/drive/folders/1dOGvyGcE1cw6I05FmTGWfonPI86fyq-3?usp=share_link)

## 2.4 Scheduling and Conducting the Training Courses

The following table shows the original schedule (planned dates) and actual conducting dates of the training courses:

No.	Training Course	Planned Dates				Actual Conducting Dates
		January 2023				
		W1	W2	W3	W4	
1	<b>Risk assessment and management</b>					16 + 18 / January 2023
2	<b>Global standards for risk management and international frameworks</b>					31 January + 14 February 2023
3	<b>Use and manage platform risks and hazards</b>					1 + 22 February 2023

It is worthy to mention that the deviation between the planned and actual dates was due to several reasons:

Halls reservation

International delegations visited Palestine (NDRMC and Trainer we engaged in these visits)



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## 2.5 Photos from the Training Courses





## 2.6 Evaluation of the Training Courses

At the end of the training workshop, a training evaluation sheet was distributed to all participants to express their impression and evaluation of the training courses. The following summarizes the results of the evaluation. The Evaluation sheet is included in the annexes.

المحور Field	الرقم	الموضوع Subject	موافق بشدة Totally Agree	موافق Agree	لا رأي No Opinion	أعارض Disagree	أعارض بشدة Totally Disagree
الجوانب الفنية: إدارة مخاطر الكوارث Technical Side: DRM	.1	الورشة التدريبية ساهمت في توضيح مبادئ ومفاهيم الحد من مخاطر الكوارث وتقييم المخاطر وادارتها The training workshop contributed to clarifying the principles and concepts of disaster risk reduction, risk assessment and management	68.5%	31.5%			
	.2	الورشة التدريبية عززت فهمي للمعايير والاطر العالمية للحد من مخاطر والقدرة على الصمود The training workshop enhanced my understanding of global standards and frameworks for risk reduction and resilience	68.5%	31.5%			
	.3	الورشة التدريبية وضحت أهمية المنصة الوطنية لتقييم مخاطر الكوارث وكيفية التعامل معها واستخدامها The training workshop explained the importance of the national platform for disaster risk assessment and how to deal with it and use it	63.2%	36.8%			
	.4	الورشة زادت مهاراتي بتقييم المخاطر The workshop increased my risk assessment skills	47.4%	52.6%			
	.5	الورشة زادت مهاراتي بصياغة خطط إدارة لمخاطر الكوارث	26.3%	68.4%	5.2%		

المحور Field	الرقم	الموضوع Subject	موافق بشدة Totally Agree	موافق Agree	لا رأي No Opinion	أعارض Disagree	أعارض بشدة Totally Disagree
		The workshop increased my skills in drafting disaster risk management plans					
الترتيبات اللوجستية Logistical Arrangement	.6	التحضير للورشة جيد ومناسب Preparation for the workshop is good and appropriate	57.9%	47.3%	5.2%		
	.7	مادة العرض المقدمة كانت سهلة وواضحة The presentation material was simple	68.5%	31.5%			
	.8	الأجندة واضحة والأوقات المقترحة مناسبة The agenda is clear and the suggested times are appropriate	36.8%	63.2%			
الفريق الاستشاري Training Team	.9	الفريق الاستشاري على معرفة ودراية في موضوع الورشة The advisory team is knowledgeable about the subject of the workshop	94.8%	5.2%			
	10	مدى قدرة الفريق الاستشاري على التيسير وإدارة الورشة The extent of the advisory team's ability to facilitate and manage the workshop	94.8%	5.2%			
عام General	11	التفاعل كان جيدا بين المشاركين The interaction was good between the participants	31.5%	68.5%			
	12	كانت الورشة فرصة للتعرف على آراء الآخرين وتبادل الأفكار The workshop was an opportunity to learn about other people's opinions and exchange ideas	31.5%	63.3%A	5.2%		

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It can be concluded from the above table that there was a strong satisfaction about the technical side of the training courses, the logistic arrangements, consultants team and general issues.

## **2.7 Main Recommendations**

During the training courses, the participants and trainers discussed many issues, the following summarizes the main recommendations for future:

- Encourage ministries and institutions participating in the technical team membership to develop their teams' capabilities through continuing education and postgraduate programs related to disaster risk management.
- The need for decision-makers in ministries and governmental and non-governmental institutions to understand and adopt disaster risk reduction concepts and strategies.
- Attention to collecting information, following up its continuous updating, and building a national information database so that all relevant institutions participate.
- Some of the specialized topics covered by the courses need more details.
- Encourage the relevant authorities to develop detailed maps of some hazards and detailed maps of site impact factors, such as landslides, seismic amplification and sand soil dilution.
- It is recommended that there should be coordination between NDRC and MDLF to include the preparation of the DRM Plan as a request for the ranking process of the LGUs.
- It is recommended to spread the knowledge about DRM and DRM Planning to all LGUs staff in West Bank and Gaza.

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## **3.0 Annexes**

### **3.1 Evaluation Form**

### **3.2 Attendance Sheets for all training courses**

### **3.3 Evaluation results**