

 MISSION REPORT		Date: 28 October 2021	
Name: Ievgeniia Rudnytska Title: Project Associate Signature: 		Unit: UNDP Ukraine, Strengthening Disaster Risk Reduction and Recovery in Ukraine Project, Energy and Environment Portfolio List of Annexes / materials to share: PDNA report. Report on the awareness-raising session List of key counterparts Participants of the trainings Saved on SharePoint as: PDNA filed visit report Field visit documents	
Approved Mission Itinerary:			
From	To	Date	Key Counterpart(s) in each location
Kyiv	Ivano-Frankivsk	12/09/2021	Representatives of Ivano-Frankivsk regional authorities: <ul style="list-style-type: none"> • Regional State Administration • Water Resources Management of the Dniester River • Regional Center for Hydrometeorology • Regional Department of the State Emergency Service of Ukraine (SESU) • Center for Forecasting and Preventing Technogenic and Hydrogeological Threats Full list of contacts
Ivano-Frankivsk	Chernivtsi	17/09/2021	Representatives of Chernivtsi regional authorities: <ul style="list-style-type: none"> • Regional State Administration in Chernivtsi • Water Resources Management of the Prut and Siret River Basins • Regional Department of the State Emergency Service of Ukraine (SESU) Full list of contacts
Chernivtsi	Kyiv	22/09/2021	Return to the Duty Station
Purpose/Objective of Mission:			
<p>Heavy rainfalls in June 2020 caused severe damage in five regions of western Ukraine: Chernivtsi, Zakarpattia, Ivano-Frankivsk, Lviv and Ternopil oblasts. The flash floods during this period have resulted in the emergency of national level with human injuries and death, extensive destruction and damage to housing and social infrastructure facilities. According to administrations of these regions, the total amount of damages caused by the flash floods is more than UAH 1.3 billion. In July 2020, an inter-agency UN humanitarian and recovery needs assessment mission was deployed to the affected areas and provided recommendations on recovery and DRR addressing issues related to emergency planning, developing on early-warning system, community engagement and public information, sustainable water and forest management, as well as the management of compensation payments and promoting insurance solutions.</p> <p>UNDP Ukraine within its project "Strengthening Disaster Risk Reduction and Recovery in Ukraine" conducted an interim assessment of post-disaster recovery needs in Ivano-Frankivsk and Chernivtsi Oblasts affected by flash floods in June 2020 in accordance with the methodology adopted jointly by the United Nations Development Group, the European Union and the World Bank, and currently being used by UNDP. To start the process of assessing post-disaster needs across all sectors (social, infrastructure, risk reduction, etc), UNDP Ukraine developed an information collection form (a PDNA form) to be completed by relevant executive authorities at regional level. During the field trip the data was collected through the meetings with relevant regional and local authorities and field visits to the most affected areas, inspection of the riverbeds of Prut, Liuchka, Limnytsia and Sopivka (Ivano-Frankivsk oblast), the Prut and Siret rivers (Chernivtsi oblast) as well as hydrological and riverbank protection facilities.</p>			

Brief Summary of Mission Findings:**Key findings of the Post-Disaster Needs Assessment mission to Ivano-Frankivsk:****1. Flood protection measures:**

Construction of a dam the Prut River, riverbank protection, cleaning of riverbed, leveling the course of the river Liuchka, Sopivka and Limnytsia.

2. Water Supply:

- Damaged infiltration pond № 1, 2 and the Chechva Riverbank (*near the entrance to the infiltration pond at the water intake "Dobrovliany", Kalush district*)
- Damaged water intake structure "Potichok", Sniatyn town, Kolomyia district

3. Social Infrastructure:

- Damaged bridges and river crossings (157) and roads (72)
- Damaged art center "Narodnyi Dim" (floor) in Bilshivtsi village (*5, Tykha Street*)
- Damaged school (roof) in Narayivka village (*1, Shkilna Street*)
- Damaged stadium in Krylos village (*Ivano-Frankivsk district*)

Building resilience to disasters:

- ✓ Upgrading the equipment of 61 local firefighting & rescue departments within the region
- ✓ Infrastructure and equipment upgrade of regional SESU Department
- ✓ Early Warning System extension through the introduction of a modern monitoring and forecasting system with additional automatic hydrometric stations
- ✓ Installation of Early Warning points (loudspeakers) in populated mountainous areas (with poor mobile connection)
- ✓ Material and technical foundation of the Regional Center for Emergency Management Operations Coordination

Adequate compensation mechanism & Insurance (nation-wide issue):

The existing compensation mechanism is funded ONLY from the State Reserve (Emergency) Fund that covers all types of nation-wide emergencies (social, military, man-made and natural ones), and the State Reserve (Emergency) Fund is equivalent to 1 % of the State Budget. Consequently, flood-affected population receives small amounts of compensation for lost housing/monetary assistance for damaged housing (*UAH 300 000/app. USD 11 300 for completely destroyed housing, UAH 50 000/app. USD 1900 for housing required capital repairs/unfit for habitation, UAH 20 000/app. USD 750 for housing damaged because of flooding*)

Need for development of methodological guidelines for assessment of housing destruction as a result of emergencies (*categorization: (1) destroyed/reparation is not possible, (2) reparation is possible, (3) damaged (category of damage)*)
Lack of insurance mechanism for property at risk of flooding

Other needs/issues identified:

High cost of services to develop the cost estimating documentations related to any dam construction (*app. UAH 500 000/app. USD 19 000 that is very expensive for village budgets, but without these documents local authorities (village councils) are unable to request funding for a dam construction from the State budget*).

Usage of the alternative means for warning the population about flood-related danger (high cost of Kyivstar services (*SMS-warning for population – UAH 300 000 for 1 SMS sending for population at risk*) and its refusal to provide contact numbers of population residing in communities at risk of flooding)

Outdated data in the Ukrainian cadastral map (*without taking into account rivers' movements*). Consequently, land for housing/summer houses construction is being provided in the areas very close to rivers – at risk of flooding that is about creation of new risks.

Underfunding (30 %) of the [Basin Council for the Dniester River](#)

Danger from brines in Kalush open-pit mine (*a potential risk of contaminating drinking water supplies*)

Need for scientific research activities at the Kalush open-pit mine and tailings ponds

[Photo report of the mission to Ivano-Frankivsk](#)

Key findings of the Post-Disaster Needs Assessment mission to Chernivtsi:

1. Flood protection measures and facilities:

structural or “passive” flood management:

- Restoration of the dam at the Cheremosh River in Chortoryia village (Vyzhnytsia district) and in Banyliv village (Vyzhnytsia district)
- construction of a dam at the Cheremosh River in Vashkivtsi village (Vyzhnytsia district) and at the Prut River in Marshyntsi-Mamalyga villages (Chernivtsi district)
- construction of new facilities for riverbank protection in 2022 (12- [Annex 6](#)), 2023 (4- [Annex 7](#)), 2024 (16- [Annex 8](#))

non-structural or “active” flood management:

- systematic rivers’ correction measures (*cleaning of riverbeds, rivers course correction*)
Most commonly, dams are being destroyed in places where there’re gravel islands within river courses

2. Building resilience to disasters

- ✓ infrastructure and equipment upgrade of the regional SESU Department
- ✓ Early Warning System extension through the introduction of a modern monitoring and forecasting system with additional automatic hydrometric stations (Installation of 11 automatic hydrometric stations at the tributaries of the Prut and Siret Rivers).
- ✓ modernization of the EWS “Prykarpattia” with its 39 automatic hydrometric stations
- ✓ flood modeling program update which is in use since 2008. Satellite photography of the Prut and Siret Rivers with involvement of Ukrainian Space Agency
- ✓ supply of an emergency and computer equipment, autonomous portable lighting stations for the emergency response team of the Water Resources Management of the Prut and Siret River Basins
- ✓ material and technical provision of the Regional Center for Emergency Management Operations Coordination

Other needs/issues identified:

- Low level of awareness of Sendai Framework for Disaster Risk Reduction 2015-2030 among civil protection practitioners.
- identification of areas vulnerable to nitrate accumulation, environmental monitoring of surface water
- development of a national DRR Strategy for the Carpathian region

[Photo report of the mission to Chernivtsi](#)

The full list of findings of the mission are presented in the [PDNA report](#).

During the field mission UNDP team conducted two **awareness-raising sessions with DRR/Civil Protection practitioners** to increase their knowledge on the Sendai Framework for Disaster Risk Reduction 2015-2030.

It is expected to contribute to the initial process of project’s implementation in Ukraine to prevent the creation of new risks and to reduce the existing ones, as well as to strengthen communities’ resilience to such climate-related emergencies as flash floods in the context of global climate change.

On 15 September 2021 the training in Ivano-Frankivsk was attended by [17 offline](#) and [15](#) online participants. Average level of awareness increase is 8%.

Sex-disaggregated data for the offline participants - Men: 15 (88%), Women: 2 (12%)

On 22 September 2021 the training in Chernivtsi was attended by [22 offline](#) participants. Average level of awareness increase is 25%. Men participants: 16 (73%), Women participants: 6 (23%).

Supporting documents:

[Report on the awareness-raising sessions](#)

[Materials used during the trainings](#)

Recommendations / and Follow-up actions to be Taken and by Whom:	Distribution:
PDNA report.	<ul style="list-style-type: none"> - Anna Anisimova/Anton Shevchenko - Anna Anisimova - Anna Anisimova
Presentation of the PDNA report Set of recommendations for establishment and/or upgrade of the Early Warning System in Ivano-Frankivsk and Chernivtsi Oblast	<ul style="list-style-type: none"> - Anna Anisimova/ Anastasiia Bondarenko/ Anton Shevchenko
Potential DRR Projects	<ul style="list-style-type: none"> - Anastasiia Bondarenko
Presentations on mapping of the current legal and policy frameworks, international obligations and commitments of Ukraine related to DRR, Civil Protection and Climate Change Adaptation and recommendations on improvement of the national frameworks	<ul style="list-style-type: none"> - Anton Shevchenko/ Anna Anisimova/ Anastasiia Bondarenko/
Online presentation of the key findings of the PDNA mission to Ivano-Frankivsk and Chernivtsi and presentation of the project proposals to partners and potential donors	