

Summary

Title	Child-centred climate risk mapping and assessment of children’s access to services in communities in selected provinces and regions in Vietnam.
Purpose	The purpose of the assignment is to: (i) identify children’s and their community’s exposure and vulnerability to various climate and environmental hazards, shocks and stresses; and develop risk maps; (ii) assess the extent to which and how children access essential services (social protection and child protection service, health care centres, schools and WASH including school WASH) when climate change shocks take place; and (iii) provide evidence for increased child-focus in improved multisectoral multi-hazard risk-informed planning in the targeted provinces and the Mekong Delta; (iv) provide training for Viet Nam Disaster Management Authority (VDM), concerned line agencies on the risk mapping and analysis methodology and how to use vulnerability and risk mapping and analysis for making disaster plans child-centred; (v) disseminate the result on the National Committee for Natural Disaster Prevention and Control website and social media platforms, to 63 provinces and in national events such as National and International DRR day.
Location	Ha Noi, Viet Nam
Duration	November 2021 – May 2022
Start Date	19 November 2021
Reporting to	Chief of Social Policy and Governance
Project and activity codes	Child-Centred Disaster Risk Reduction for Resilience Project, Output 1.7 DRR

Background

Viet Nam is ranked the sixth most affected country by climate change globally¹. Under the high emissions scenario, temperatures are projected to rise by 3.3-4.0°C in the North and 3.0-3.5°C in the South². Depending on the emissions scenarios, about 6–12 million people could potentially be affected by coastal flooding by 2070–2100 without effective adaptation action³. Human-induced climate change has significant impacts, especially on the lives of vulnerable children, their families, and communities, jeopardizing hard-earned development gains.

Climate change can lead to the increased risks of vector-borne and infectious diseases, increasing the likelihood of outbreaks and spread of diseases such as diarrhoea, cholera, dysentery, malaria, dengue fever, viral encephalitis, and Japanese encephalitis⁴. As a result of the climatic shifts, there will be an increase in climate-sensitive diseases. It is estimated that there is likely to be about 23-62 per cent increase in diseases burden by 2030 in northern and central areas with dengue fever, and a projected 10-15 per cent increase by 2030⁵ in some areas in the central parts of the country with diarrhoea.

In the past five years, large scale climate change-related disasters hit Viet Nam, including the prolonged droughts in Central Highlands and drought and saltwater intrusion in the Mekong Delta

¹ German Watch (2019). [Global Climate Risk Index](#).

² Government of Viet Nam (2020) [Nationally determined Contributions](#).

³ ADB and World Bank. 2020. [Climate Risk Country Profile - Vietnam - Viet Nam](#).

⁴ ADB and World Bank. 2020. [Climate Risk Country Profile - Vietnam - Viet Nam](#).

⁵ Vietnam: (2020) [Country Report on Children’s Environmental Health](#).

region in 2015-2016 and 2019-2020, causing shortages of domestic water supplies for 2 million people; the loss of livelihoods for 1.75 million people; the risk of water-borne diseases for 400,000 people; malnutrition for 27,500 children and 39,000 women in areas with a low socio-economic development status⁶. In addition, the devastating Typhoon Damrey in 2017 killed more than 107 people. In 2020, within October and November, seven consecutive storms made landfall in the Central Region caused devastating cascading floods that killed 291 people, 66 people missing, more than 330,000 homes damaged, impacting 2,5 million children and 1,5 billion USD in economic losses.

The COVID-19 pandemic has amplified the effects caused by climate change. The pandemic, coupled with the increasing frequency and intensity of climate-related shocks such as the ones in 2020, jeopardises hard-earned development gains and has significant human impacts, especially on children's well being, health, nutrition, education, and WASH services protection⁷.

In Viet Nam, data and information on the risks and the impacts of climate change and disasters on children are incomplete and fragmented. Thus, appropriate interventions cannot be formulated by the decision-makers due to insufficient data on the situation. For example, information and data on the situation of children and climate change are limited in the Mekong Delta and the central coastal region of Viet Nam, which are two areas particularly at high risk of climate change. This assignment will provide Viet Nam Disaster Management Authority (VNDMA) and three provinces with child-centred climate risk maps and will assess how climate change and natural disaster impacts children's access to essential services and how government and communities could provide an appropriate response. This will help strengthen risk-informed planning, investment and policy changes.

Purpose and Objectives

The purpose of the assignment is to: (i) identify children's and their community's exposure and vulnerability to various climate and environmental hazards, shocks and stresses; and develop risk maps; (ii) assess the extent to which and how children access essential services (social protection and child protection service, health care centres, schools and WASH including school WASH) when climate change shocks take place; and (iii) provide evidence for increased child-focus in improved multisectoral multi-hazard risk-informed planning in the targeted provinces and the Mekong Delta; (iv) provide training for Viet Nam Disaster Management Authority (VDMA), concerned line agencies on the risk mapping and analysis methodology and how to use vulnerability and risk mapping and analysis for making disaster plans child-centred; (v) disseminate the result on the National Committee for Natural Disaster Prevention and Control website and social media platforms, to 63 provinces and in national events such as National and International DRR day.

Methodology

In order to complete this assignment, it is advised that the international consultant should, in consultation with Viet Nam Disaster Management Authority (VDMA) and UNICEF, directly hire a national consultant to help her/him in the completion of this consultancy. This will include supporting data mining, compile indicators and information, review GIS hazard data, data processing using excel or appropriate statistical software, translation, fieldwork and associated materials for the assignment.

The proposed methodology is quantitative and qualitative in nature. On the *quantitative side* the consultant shall engage with General Statistics Office (GSO) to access data at all administrative levels from national to commune levels. In addition, the consultant will review and analyse existing datasets, especially the 2019 population census, 2020 Viet Nam Household Living Standard Survey (VHLSS), UNICEF's Multi-Indicators Cluster Survey (MICS) 2021 and conduct a desk review of the relevant research and studies such as Climate Landscape Analysis for Children⁸ (CLAC) and the Children's Climate Risk Index⁹. Furthermore, the consultant will review existing

⁶ Government of Viet Nam (2020) [Nationally determined Contributions](#).

⁷ Government of Viet Nam (2020) [Nationally determined Contributions](#).

⁸ Ministry of Planning and Investment and UNICEF Viet Nam (2021). [Climate Landscape Analysis for Children](#)

⁹ UNICEF (2021). [Children's Climate Risk Index](#)

global methodologies used as part of the Intergovernmental Panel on Climate Change (IPCC) Assessment Report in 2014 and UNICEF’s Children’s Climate Risk Index in 2021.

On the *qualitative side*, the consultant(s) may use participatory techniques such as focus group discussions (FGDs), key informant interviews (KIIs), process mapping, stakeholder analysis as appropriate. The consultant(s) is expected to conduct field visits to meet with the regional, provincial, district, and commune authorities in three selected provinces. In addition, KIIs will be conducted with selected key partners, including ministerial members of the National Committee for Natural Disaster Prevention and Control (NCNDPC) officials, International and local NGOs.¹⁰

While analysing the dataset and the findings from the interviews and consultations, the consultant could refer to the conceptual risk framework introduced in the Intergovernmental Panel for Climate Change (IPCC) 2014¹¹ (Figure 1).¹²

The consultant may suggest and agreed with UNICEF on a revised methodology at the inception phase.

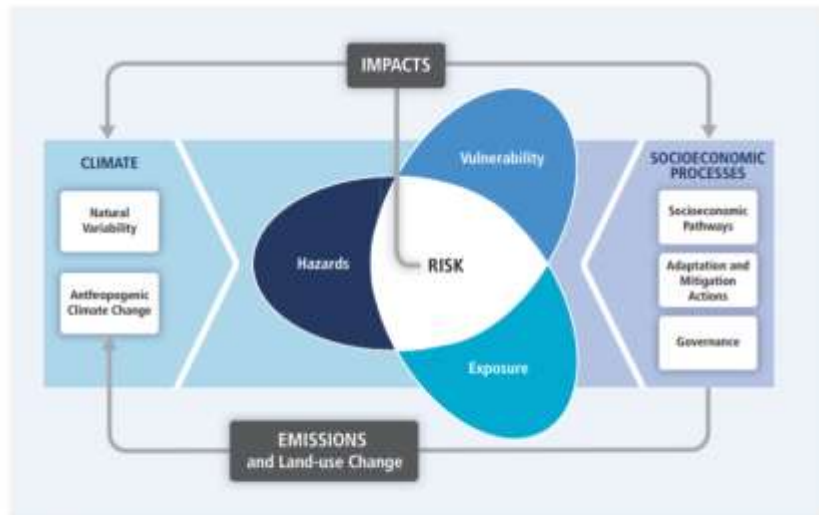


Figure SPM.1 | Illustration of the core concepts of the WGII AR5. Risk of climate-related impacts results from the interaction of climate-related hazards (including hazardous events and trends) with the vulnerability and exposure of human and natural systems. Changes in both the climate system (left) and socioeconomic processes (including adaptation and mitigation) (right) are drivers of hazards, exposure, and vulnerability. (SPM.2, Figure 19-1)

Figure 1: Source: IPCC (2014). Climate Change 2014: Impact, Adaptation, and Vulnerability.

Specific Tasks / Expected Deliverables

Task	Deliverable	Time Frame - Tentative Dates for both International and national consultant
1. Conduct desk review of relevant children and gender-sensitive and disaggregated information and data (Ethnicity, age), research/studies, such as 2019 population census, Vietnam Household Living Standards Survey 2020, Multiple Indicator Cluster Survey (MICS), Multi-Dimensional Child Poverty, sectoral administrative data, hazard information and data. Discuss with GSO availability	Deliverable 1.1: - Availability of the assignment plan (inclusive of scope, work plan, methodology, key data sources, stakeholder mapping). - Availability of the desk review report, including the indication of the availability of key child vulnerability data and indicators at commune level and hazard data.	Timeframe: 30 November 2021

¹⁰ The consultant(s) is advised to gather information from a range of stakeholders, community people with different ethnic and socio-economic background and characteristics, adults, children and young people.

¹¹ IPCC (2014). [Climate Change 2014: Impact, Adaptation, and Vulnerability](#)

¹² The consultant(s) could explore how land subsidence, sand mining, riverbank, coastal erosion, and sea-level rise impact children in the short, medium and long term in Mekong Delta.

and access to data at the commune and or district level.		
Conduct consultation with Viet Nam Disaster Management Authority (VDMA) and UNICEF to finalize the desk review and inception report (including analysis of relevant institutional mechanisms for data and information collection and management, data gap...), availability of research protocols and ethical clearance.	<u>Deliverable 1.2:</u> - Availability of the final desk review report, including the assignment plan endorsed by both VDMA and UNICEF.	Timeframe: final products submitted on 15 December 2021
2. Data collection: - Work with GSO on access to data, especially at commune and district levels. - Conduct consultations/structured interviews with National Committee for Natural Disaster Prevention and Control (NCNDPC) agencies, concerned ministries and ministerial-level organizations; analyze existing information and data on key child indicators at the national and local level. - Conduct field visits to three provinces to consult with concerned stakeholders and local authorities at provincial, district and commune levels, line departments and partners. Particularly, conduct interviews, group discussions with children groups, families and communities as much as possible. - Lead discussions in the consultation meetings on critical findings.	<u>Deliverable 2.1</u> - Availability of data sets for risk mapping and assessment, including hazard data - Field mission reports	Timeframe: 25 January 2022
Refine and finalize datasets of various indicators, develop a simple vulnerability and risk mapping tool using excel.	<u>Deliverable 2.2</u> - Availability of final datasets and vulnerability and risk mapping tool using excel.	Timeframe for final product submission: 28 February 2022
Test run the risk mapping tool with potential users.	<u>Deliverable 2.3</u>	Timeframe for final

Consultations with relevant stakeholders to get final inputs for finalization of the tool and report.	<ul style="list-style-type: none"> - Summary note of the test, and inputs for finalization of the report - Finalization of the tool 	product submission: 15 Mach 2022
<p>3. Consultations with relevant stakeholders to get final inputs for the finalization of the report.</p> <p>Finalize the risk mapping and assessment report and recommendations, including a road map for following up actions.</p>	<p>Deliverable 03</p> <ul style="list-style-type: none"> - Availability of the final report with and key following up actions in both English and Vietnamese. - Availability of a summary report for policymakers, - A well-presented policy brief for dissemination. - A PowerPoint presentation for dissemination to 63 provinces and in national events such as National and International DRR day. 	Timeframe for final product submission: 30 March 2022
<p>4. Conduct short training sessions on inputting data and using the excel tool to do simple vulnerability and risk mapping and analysis for VDMA staff at the national and sub-national levels and how to use vulnerability and risk mapping and analysis for making disaster plans child-centred.</p>	<p>Deliverable 04</p> <p>Four half-day training sessions conducted for VDMA and the three provinces</p>	Timeframe for final product submission: 15 April 2022

Payment Schedule linked to Deliverables

Deliverables	Payment Schedule Payment upon completed deliverables
Deliverables 1.1 and 1.2 of task 1	10% of the contract's total amount
Deliverables 2.1, 2.2 and 2.3 of task 2	30% of the contract's total amount
Deliverables 3 of task 3	25% of the contract's total amount
Deliverables 4 of task 4	35% of the contract's total amount

Management and Reporting

The international consultant will be working under the supervision of the Chief of Social Policy and Governance Programme and in close collaboration with the Chief of Child Survival and

Development. The supervisor of this consultancy will also work closely with the key staff of other UNICEF programme sections as appropriate. The UNICEF Disaster Risk Reduction Specialist will be assigned as the focal point for the consultancy, work with the consultant in all aspects of the assignment, and provide technical inputs and support as needed. Furthermore, the consultant will need to work closely with UNICEF programmes and UN agencies, particularly the Climate Change and Environment Joint Results Group members.

The international consultant will work closely with a national consultant hired by VDMA to develop a joint work plan that will provide a basis for shared tasks and clear responsibilities. The work plan will be reviewed by both UNICEF and VDMA periodically.

VNDMA as the focal agency of Viet Nam on natural disaster prevention and control and the secretariat for the National Committee for Natural Disaster Prevention and Control, will be responsible for the overall management of the work together with UNICEF. VDMA, with support from the consultants, will coordinate and facilitate consultations, discussions with children, communities, Soc Trang, Ca Mau and Quang Tri provinces, Ministry of Natural Resources and Environment (MONRE), Ministry of Education and Training (MOET), Ministry of Labour, Invalid and Social Affairs (MOLISA), Ministry of Health (MOH), other concerned Ministries, MARD's concerned departments and VNDMA at national and sub-national levels.

Performance indicators for evaluation

- The quality of deliverables meets the standards set by UNICEF and specifications outlined in the contract.
- Deliverables are submitted timely as indicated in the contract.
- Technical assistance delivered in a contextualized and tactful manner, drawing on the inputs from the partners.
- Performance evaluation will be completed at the end of the assignment.

Qualification/Specialized Knowledge and Experience

International consultant (s):

- Advanced degree in climate change, disaster risk reduction and other relevant fields.
- Over 15 years of experience in providing advisory support in climate change, disaster risk reduction with Government, development partners and UN agencies. Experience working with UNICEF is an asset.
- Excellent statistical skills, with knowledge of the latest global methodology on child-centered vulnerability mapping, risk assessment and analysis.
- Extensive experience in working with the Government of Viet Nam on this sector; have profound knowledge of Viet Nam's socio-economic context, including the national climate change and disaster risk-management mechanism. In addition, a profound understanding of linkages of climate change and DRR to children and UNICEF position in the relevant areas are essential.
- Good listening skills as well as written and communication skills in English.
- Excellent teamwork skills.

National consultant:

- Advanced degree in climate change, environment, disaster risk reduction and other relevant fields.
- Over 05 - 10 years of experience in climate change, disaster risk reduction at both national and subnational level, especially data processing, excel spreadsheet, statistical and analytical skills.

- Good knowledge and understanding of Viet Nam’s government system, socio-economic context, including the data collection and management system. Knowledge of linkages of CC, DRR to children, as well as UNICEF position in the relevant areas would be a valuable asset.
- Good listening skills as well as written and communication skills in English.
- Excellent teamwork skills.

Assessment criteria

For evaluation and selection method, the Cumulative Analysis Method (weight combined score method) shall be used for this recruitment: Technical Qualification (max. 100 points) weight 70 %

Technical Evaluation (70%)	100 points
Advanced degree in climate change, disaster risk reduction and other relevant fields.	30
Over 15 years of experience in providing advisory support in climate change, disaster risk reduction with the Government, development partners and UN agencies in Viet Nam. Experience working with UNICEF is an asset.	40
Extensive experience in working with the Government of Viet Nam on this sector; have profound knowledge of Viet Nam’s socio-economic context, including the national climate change and disaster risk-management mechanism. In addition, a profound understanding of linkages of climate change and DRR to children and UNICEF position in the relevant areas are essential.	30
Financial evaluation (30%)	100 points

The passing score for the technical assessment is 71.5 or 50%.

The Contract shall be awarded to the candidate obtaining the highest technical scores, subject to the satisfactory result of the verification interview if needed.

Child Safeguarding

- Is this project/assignment considered as “[Elevated Risk Role](#)” from a child safeguarding perspective?
- YES NO If YES, check all that apply:
- **Direct contact role** YES NO
- If yes, please indicate the number of hours/months of direct interpersonal contact with children, or work in their immediately physical proximity, with limited supervision by a more senior member of personnel:

Submission of applications

Interested candidates are kindly requested to apply and upload the following documents to the assigned requisition in UNICEF Vacancies: <http://www.unicef.org/about/employ/>

- Letter of interest and confirmation of availability;
- Technical Proposal which clearly explains the outline on how to deliver the tasks and deliverables (less than 5 pages);
- Performance evaluation reports or references of similar consultancy assignments (if available);
- Financial proposal: All-inclusive lump-sum cost including consultancy fee, travel, accommodation and miscellaneous costs for this assignment as per work assignment.
- CV/P11 form ([UN Personal History Form](#))

General Conditions:

The following general conditions shall apply. The consultant shall:

- Workstation: home-based
- Official travel within the country: Soc Trang, Ca Mau and Quang Tri

Policy both parties should be aware of:

- Consultants are not entitled to payment of overtime. All remuneration must be within the contract agreement.
- No contract may commence unless the contract is signed by both UNICEF and the consultant or Contractor.
- For international consultants outside the duty station, signed contracts must be sent by fax or email. Signed contract copy or written agreement must be received by the office **before Travel Authorization is issued.**
- Consultants will not have supervisory responsibilities or authority on UNICEF budget.
- Consultant will be required to sign the Health statement for consultants/Individual contractor prior to taking up the assignment, and to document that they have appropriate health insurance, including Medical Evacuation.
- The Form 'Designation, change or revocation of beneficiary' must be completed by the consultant.