

United Nations Children's Fund

TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANTS AND CONTRACTORS

Title International Consultant: Climate Change and Nutrition in Indonesia (review of available evidence and UNICEF Nutrition programme)	Duty Station: Home-based
Purpose of Activity/Assignment: <p>The proposed assignment is intended to support UNICEF Indonesia in developing a comprehensive understanding of the available evidence on the links between climate change and nutrition in Indonesia, and of current strengths and weaknesses and possible entry points to mainstream climate change considerations into the Nutrition Section's current and future programmes and activities. The assignment will also help UNICEF Indonesia evaluate the policy environment in Indonesia across sectors in terms of recognition of the links between nutrition and climate change, barriers that hinder this, and possible entry points to promote a stronger integration between the two issues.</p>	
Scope of Work: <p>Climate change represent a significant threat to nutrition and food systems globally. Rising temperatures, frequency of extreme climatic events such as drought and heatwaves, and carbon dioxide levels are expected to cause major disruptions on food systems (including agriculture, fisheries and other sectors), increasing the likelihood of crop failure and livestock loss, threatening fish stocks, and altering the nutritional content of food crops. Due to its geography and climate, Indonesia is considered one of the world's most disaster-prone countries, particularly exposed to the effects of climate change and threatened by a range of natural hazards including for example earthquakes, tsunamis, volcanic eruptions, floods, droughts, landslides and cyclones. Available evidence from modelling scenarios predict significant possible impacts of climate change on Indonesia's food systems—for example, in terms of changing or reduced suitability of some areas to major food crop and decline in their output and quality, and to reduced fish stocks due to increasing sea surface temperatures. These impacts are likely to affect significantly local livelihoods, cause significant socio-economic distress for many Indonesians and will pose a major threat to food security and nutrition.</p> <p>In this context, UNICEF is looking for an International Consultant with a strong background in climate change, food security and nutrition, to develop a state-of-the-art review of current evidence of the links between climate change and food/nutrition security that will support the mainstreaming of climate change in UNICEF Indonesia's nutrition programmes. The review will draw on global academic and grey literature on the direct and indirect impacts of climate change on food security and nutrition, particularly as they affect the 'underlying determinants' (food, feeding practices and environment) and 'immediate determinants' (diets and care practices) of maternal and child nutrition outlined in the UNICEF Nutrition Framework, and include available modelling studies for Indonesia or comparable countries of short, mid and long-term projected impacts. The review will also cover available evidence on individual, household and community responses and coping mechanisms to the impacts of climate change in terms of food and nutrition security, and the implications of these for under- and over-nutrition. Finally, the review will include selected best examples of global policies and programmes that could be adopted in the context of Indonesia.</p> <p>This is expected to be a holistic exercise, covering evidence from nutrition and health sectors but also from other aspects connected with the broader food system, including for example current and projected impacts of climate change on food production and availability, food chains etc., and other relevant sectors. The review will be complemented by an assessment (facilitated by UNICEF Indonesia) of existing national policies and programmes for to mitigate the impacts of climate change on food and nutrition security in Indonesia (or entry points for these) based on desk review and targeted interviews and focus group discussions with key policymakers.</p> <p>A more detailed outline for the review will be defined at the beginning of the assignment in consultation with UNICEF Indonesia. It is expected that the assignment will result in the following deliverables:</p> <ol style="list-style-type: none"> 1. A technical document summarising finding from the review of global data and assessment of relevant policies in Indonesia and other countries, as a full-length version of sufficient quality for publication a UNICEF report and as an 	

adapted version (developed in collaboration with UNICEF Indonesia) suitable for publication in an international peer reviewed journal. The document will cover:

- a. Evidence on the impacts of climate change on food security and nutrition, centred around the determinants outlined in the UNICEF Nutrition Framework
- b. Evidence on climate change coping strategies related to food security and nutrition, and their implications for under- and over-nutrition
- c. Summary findings of the review of global and Indonesian policies and programmes.

2. A separate document presenting

- a. A “climate-nutrition risk profile” for Indonesia in terms of impacts on food and nutrition security (including current status and projected impacts based on available information)
- b. A review of key strengths and weaknesses of UNICEF Indonesia’s Nutrition programme in this respect
- c. A list of proposed climate risk nutrition indicators for inclusion into UNICEF nutrition programming
- d. Recommendations for policies and interventions to enhance capacity and/or mitigate climate change nutrition risk among vulnerable communities in Indonesia.

Supervisor: David Colozza, Ninik Sukotjo, Jee Hyun Rah	Start Date: 25/04/22	End Date: 25/08/22	Number of Days (working): 40
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*Work Assignment Overview (SMART)			
Tasks/Milestone:	Deliverables/Outputs:	Timeline	
Develop a concept note for the review including a detailed outline, clear scope/boundaries, methodology and data sources	Concepts note for the review developed and agreed with UNICEF	2 weeks after start of the assignment	4 days
Conduct desk review as per concept note and scope of the assignment and prepare a first draft summarising main finding	Draft of desk review developed and shared with UNICEF	8 weeks after start of the assignment	15 days
Participate and provide technical input to qualitative data collection (interviews/FGDs) on national policy environment (facilitated by UNICEF Indonesia) and incorporate findings in the desk review.	Revised draft of desk review incorporating policy assessment developed and shared with UNICEF	10 weeks after start of the assignment	4 days
Finalise the review document in the two formats (full length report and journal publication version)	Final draft document developed; UNICEF input incorporated	12 weeks after start of the assignment	7 days
Develop the climate-nutrition risk profile document, including indicators and recommendations for policies/programme and for UNICEF programming	Final draft risk profile document and recommendations developed with UNICEF input	14 weeks after start of the assignment	10 days

