

UNDP Regional Bureau for Asia and the Pacific

Terms of Reference

Climate Foresight and Anticipatory Policy

Position Title:	International Consultant – Foresight & Scenarios (Climate Foresight) Strategy, Policy and Partnerships (SPP) team, UNDP
Type of Contract:	Individual Contract
Post Level:	International Consultant
Languages Required:	English
Period of Initial Contract:	(Period: 1 December 2021 – 31 May 2022)
Duty station:	Home-based (No travel required)

Climate Foresight Anticipatory Policy

The ways in which climate events and change shape human mobility – whether forced or otherwise – are varied and complex, with gaps in knowledge and data widespread. What is known, however, is that the world is seeing more displacement because of disasters – both sudden- and slow-onset – than ever before. In 2020, of the 40.5 million internally displaced people, over three quarters – 30.7 million – were displaced by disasters.¹ This represents a substantial increase on previous years, with 2018 and 2019 seeing 17.2 million and 24.9 million new internal displacements due to disasters respectively.² Predictions about the impact of climate change on future human mobility vary significantly, with estimates ranging from 50 million to 1 billion ‘climate migrants’ by the end of the century.³ The World Bank’s *Groundswell* report suggests that – without significant action to address climate change – the world could see 143 million internal ‘climate migrants’ by 2050.⁴ More nuanced modelling predicts climate-related human mobility patterns at higher resolution and for specific contexts with more utility for policy formulation, but at present has only been conducted for areas in Central and Latin America and the US.⁵

While displacement risks – and decisions to move in general – derive from a complex interaction between social, political, economic, environmental, and individual factors, the emerging consensus suggests that climate change does exacerbate risks for millions of people around the world and will likely result in more climate-related migration and displacement in the future. Empirical research also shows that climate-related mobility most commonly occurs as long-distance internal migration, rather than international or short-distance movements.⁶ These movements are likely to feed into ongoing patterns of mobility, with most migrants and displaced people moving to cities, often informal urban settlements, in search of livelihood opportunities and access to key services. Without proactive, inclusive urban planning and development, such movements can put a strain on infrastructure and services, and lead to conflict and further exclusion of already marginalized populations.

Given this reality, it is imperative that development actors consider how best to anticipate and prepare for future mobility patterns, especially into cities, to ensure that those who migrate – in part or entirely – due to environmental change have their human rights protected and are enabled to contribute meaningfully to the communities in which they arrive. Large movements of people – of the sort forecasted by many – require a rethink of interventions in spatial planning and development, resilience and adaptation, livelihoods and inclusive growth, social cohesion, and accessibility of key services in urban contexts.

The overall research seeks to model migratory patterns into select urban locations and to examine the anticipated impact of specific policy interventions in those areas. Anticipatory analysis such as this is aimed at mitigating further systemic risks and to better prepare UNDP and our partners for possible mid- and long-term future impacts. To achieve this, predictive analytics and qualitative foresight will be used to model how many people will move to select cities by

¹ IDMC. (2021). *Global Report on Internal Displacement*. Geneva: IDMC.

² IDMC. (2020, 2019). *Global Report on Internal Displacement*. Geneva: IDMC.

³ Ferris, E. (2020). Research on climate change and migration: Where are we and where are we going? *Migration Studies*, 8(4), 612-625.

⁴ World Bank. (2018). *Groundswell: Preparing for Internal Climate Migration*. Washington, DC: World Bank.

⁵ E.g., Jones, B. (2020). *Modeling Climate Change-Induced Migration in Central America & Mexico. Methodological Report*. Retrieved from the ProPublica website <https://assets-c3.propublica.org/Climate-Migration-Modeling-Methodology.pdf>; or Poon, L. (2020, February 3). *Where America’s Climate Migrants Will Go As Sea Level Rises*. Retrieved from the Bloomberg CityLab website <https://www.bloomberg.com/news/articles/2020-02-03/mapping-migration-in-the-face-of-climate-change>.

⁶ Kaczan, J. & Orgil-Meyer, J. (2020). The impact of climate change on migration: A synthesis of recent empirical insights. *Climate Change*, 153(3), 281-300.

2050 accounting for the impact of climate change, and to evaluate what impact this will have across key social and economic variables in these places based on different scenarios.

Based on the analysis, the research seeks to provide anticipatory policy and programmatic recommendations, enabling stakeholders to make informed decisions about adaptive responses to prepare for the potential influx of people in ways that ensure both incoming and host communities are able to contribute to inclusive development in the mid- and long-term.

This Terms of Reference are for the foresight component only, which must be closely coordinated with a separate stream of work utilizing predictive analytics to understand forecasted numbers and projected modelling of impacts.

Consultancy Objectives:

The consultant(s) will be part of a broader partnership on this topic that brings together predictive analytics, climate and human mobility policy as well as qualitative strategic foresight.

The project focus is on three geographic locations: Ho Chi Minh City/Viet Nam, Karachi/Pakistan and Honiara/Solomon Islands – three densely populated and fast-growing urban centres of the Asia-Pacific in some of the world's most impacted countries by climate change and events.

The consultant(s) will draw on modelled data projections and trends of potential population movements *into* these cities within their respective countries by 2050 (accounting for the impacts of climate change) and will design and run participatory scenarios processes with a wide range of constituents within these three locations to map out plausible impacts and implications of these trajectories on economic, social, health, political developments. The consultant(s) will also then be responsible for back casting final scenario outcomes into anticipatory policy and programmatic recommendations.

It is essential that the consultant(s) are experienced in blending quantitative data and modelling with qualitative foresight processes, and importantly have experience in designing rigorous anticipatory policy recommendations.

Deliverables:

Outputs	Due Dates
Drawing on the models and projections provided by the predictive analytics and modelling component of this project, design and run a set of participatory scenarios processes across the three site locations (virtually). The scenarios workshops will need to be run with a wide variety of constituents across government, civil society and multilateral agencies. The aim of the scenarios process is to stress-test the modelling projections, and provide analysis of plausible, possible and probable future impacts and implications across set domains of inquiry.	01 April 2022
Run a back-casting process to analyze and stress-test current gaps between existing UNDP policy frames and provide a range of anticipatory policy and programmatic recommendations for UNDP and partner governments. These back-casted policy recommendations would then be integrated back into the baseline modelling to test potential outcomes with these recommendations.	15 May 2021

Duration

From 1 December 2021 – 31 May 2022 for a maximum of 40 working days

Duty station

The work being contracted under these Terms of Reference is expected to be developed and finalized at the current home-work base of the author(s). **Consultant is not required to travel.**

Institutional arrangements:

The author will report to the Strategic Advisor (Foresight) of the UNDP RBAP SPP team and the Regional Advisor, Recovery, Livelihoods and Human Mobility – UNDP Bangkok Regional Hub, with consultations with the wider teams and other external consultants/stakeholders.

In consultation - and collaboration - with the consultant(s), RBAP may also develop strategies and communication products to effectively disseminate the findings of the brief.

PAYMENT TERMS

Payment will follow the manner set out in the Timeframe above, with

- first payment (50%) on delivery of the participatory scenario workshops and
- final payment (50%) on acceptance of the final policy recommendations and product output. Strategic Advisor (Foresight) of the SPP team will accept and certify for the final product

Required Qualifications

Education:

- Minimum undergraduate in economics, social science, international relations, international development or related fields.

Experience:

- A track record of participatory foresight research experience, with a particular focus on running scenarios workshops and processes with a wide array of constituents for a minimum of 8 years.
- Experience in designing anticipatory policy or programmatic recommendations from utilizing qualitative foresight methodology, with a minimum of 10 policy or programmatic research outputs produced that are coherently written.
- Experience in working with both quantitative data sets and modelling to compliment qualitative foresight processes for a minimum of 5 years

Language requirement:

- Fluency in English; knowledge of other UN languages (French, Spanish, Arabic) an asset.

EVALUATION OF CANDIDATES:

Individual consultants will be evaluated based on the following methodology:

Cumulative Analysis: The candidates will be evaluated through Cumulative Analysis method. When using the weighted scoring method, the award of the contract will be made to the individual consultant whose offer has been evaluated and determined as:

- Responsive/compliant/acceptable; and
- Having received the highest score out of set of weighted combine technical evaluation of desk review (70%), and financial criteria (30%). Financial score shall be computed as a ratio of the proposal being evaluated and the lowest priced proposal received by UNDP for the assignment.

Technical Evaluation – 70% of total score

Criteria A: Minimum undergraduate (with commensurate technical experience) in economics, social science, international relations, international development or related fields. **(15 points)**

- **Criteria B:** A track record of participatory foresight research experience, with a particular focus on running scenarios workshops and processes with a wide array of constituents for a minimum of 8 years. **(30 points)**
- **Criteria C:** Experience in designing anticipatory policy or programmatic recommendations from utilizing qualitative foresight methodology, with a minimum of 10 policy or programmatic research outputs produced that are coherently written. **(35 points).**
- **Criteria D:** Experience in working with both quantitative data sets and modelling to compliment qualitative foresight processes for a minimum of 5 years **(20 points).**

Total Points Obtainable in Technical Evaluation: 70 Points

****Only candidates obtaining a minimum of 70% of the total technical points would be considered for the Financial Evaluation.**

Financial Evaluation (30%)

Financial proposals from all technically qualified candidates will be scored out 30 marks based on the formula provided below. The maximum marks (30) will be assigned to the lowest financial proposal.

All other proposals will receive points according to the following formula:

- $p = y (\mu/z)$.

Where:

- p = points for the financial proposal being evaluated;
- y = maximum number of points for the financial proposal;
- μ = price of the lowest priced proposal;
- z = price of the proposal being evaluated.

APPLICATION PROCEDURE:

Interested individual consultant must submit the following documents/ information to demonstrate their qualifications.

Please group them into one (1) single PDF document as the application system only allows to upload maximum one document.

1. Duly accomplished Letter of Confirmation of Interest and Availability with financial proposal using the template provided by UNDP (Annex III);
 - Consultant shall quote an all-inclusive total lump sum fee for the contract period. The term “all-inclusive” implies that all costs (professional fees, communications, consumables, etc.) that could be incurred by the IC in completing the assignment are already factored into the proposed fee submitted in the proposal.
 - Payments shall be done on **lumpsum basis**, upon verification of completion of deliverables and approval by the IC’s supervisor.
 - If an Offeror is employed by an organization/company/institution, and he/she expects his/her employer to charge a management fee in the process of releasing him/her to UNDP under Reimbursable Loan Agreement (RLA), the Offeror must indicate at this point, and ensure that all such costs are duly incorporated in the financial proposal submitted to UNDP.
2. Curriculum Vitae or P11, Indicating all past experience from similar projects, as well as the contact details (email and telephone) of the Candidate and at least three (3) professional references.
3. Please provide a list of minimum of 10 policy or programmatic research outputs produced that are coherently written

****Failure to submit the above-mentioned documents or Incomplete proposals shall result in disqualification**

****Please group all your document into one (1) single PDF document as the application system only allows to upload maximum one document.**

Only short-listed candidates may be contacted, and the successful candidate will be notified.