

Request for expression of interest:

Short-term consultancy to support the database strengthening and statistical analysis of household energy fuels and technologies and its impact on the health of women and girls.

Geneva Switzerland,

World Health Organization

The Interventions for Healthy Environments (IHE) unit's, of the Department of Public Health, Environmental and Social Determinants of Health, objective is to promote health sector interventions, as well as interventions in economic sectors (e.g housing, transport, energy) that reduce environmental health risks, promote better health, and optimize the health co-benefits of sustainable development /climate change mitigation policies.

As part of its Indoor Air Pollution and Health work, IHE activities seek to improve health in low- and middle-income countries through the sustained adoption of clean household energy fuels and technologies, including through activities that promote:

- Communication to policymakers and the broad public of the most recent data on access to clean and polluting fuels and energy technologies in homes of developing country populations, and elaboration of the related health impacts, with a particular focus on the health of women and girls.
- Increased awareness about the global situation for the sustained adoption of clean fuels and energy technologies in the home; and the role they play in improving the health and equity.

WHO/PHE/IHE is developing a comprehensive report on the current energy access situation in households. The proposed report will analyse and illustrate trends in the uptake of clean household energy and its impacts on the health and livelihoods of women and girls in particular, providing an updated and more comprehensive picture and detailed analysis of the energy access situation in low- and middle-income countries, with a more robust discussion and focus on what these mean for public health and gender equity now and moving forward.

The aim of this consultancy is three-fold: (1) to use the currently available data to analyse and report on household energy use and its impacts on the health and well-being of women and girls and (2) identify data gaps, strengths and weakness of current data collection efforts on household energy use to estimate health impacts, particularly for women and girls and (3) use this information develop a more comprehensive framework for data collection and analysis to be used on household energy surveys and assessment worldwide.

Expected deliverables include:

1. A scoping and gap analysis of current data collection efforts on household energy in place and identify any potential linkages they have or could have in assessing household energy's impact has on the health and well-being of women and girls.
2. A statistical analyses and associated interpretation for a global report which documents the current energy access situation and sustained adoption of clean fuels and devices used for cooking,

heating and lighting, in low and middle-income countries, disaggregated by region, country, income level, age and sex. More specifically this analysis should include:

- (a) a description of the current level of access to energy fuels and technologies by households for the purpose of cooking, heating and lighting;
- (b) a summary of the available data and information systems used for tracking the sustained adoption of clean and sustainable energy in the home ; and
- (c) estimates of the health and livelihood impacts of the current and future energy access situations on women and girls.

The consultant will be expected to contribute to finalization of the global report, e.g. proofreading, information formatting, etc. as well as to related briefings and communication materials for stakeholders and policy makers.

3. Support and contribute to the planning and execution of a of a stakeholder workshop to agree on a framework to assess the impacts of household energy on the health and livelihoods of women and girls, that can guide harmonized surveys tools and/or instruments. This will engage existing efforts to develop health and development indicators that are specific to sustainable development, women and girls (by UN statistics, SDGs, Data2X, etc.) as well as energy and development indicators (SE4All, GACC, etc.).

4. Expand/strengthen the WHO database on household energy use and indoor air pollution (to statistically model the use of specific fuels used in the home, such as kerosene, sex disaggregated information, etc.)

5. Contribute as needed to outreach and engagement of researchers, government agencies(e.g. national census and statistics bureaus); and implementing partners (e.g. Practical Action, Global Alliance for Clean Cookstoves, SE4All).

The World Health Organization Headquarters in Geneva now invites eligible individuals to indicate their interest in undertaking this work. Interested parties must provide information indicating that they are qualified to perform the above tasks: *curriculum vitae*, description of similar assignments, experience in similar conditions, examples of relevant reports or publications, etc. The consultant will be selected through a competitive process in accordance with WHO's operating policies and procedures on hiring consultants.

A total of 120 days have been allocated for this consultancy which has as expected start date of 4 May, 2015 (or as soon as reasonably possible after that). Although much of this consultancy work can be complete remotely, it will require some time spent at WHO HQ in Geneva.

The consultant will be remunerated at a daily rate that is commensurate with his/her experience and based on the UN common salary scale.

Qualifications and Skills required:

- Sound understanding of the health impacts of indoor air pollution,
- Solid understanding of the tools, methods, existing databases, statistics and types of survey data available related to air quality, gender and health;
- Ability to cooperate with international /multi-stakeholder actors engaged with the above issues, including those working with gender, energy, and air pollution statistics;
- Ability to develop estimate health impacts for environmental risk factors (e.g. kerosene);
- Competency in understanding and interpreting reviews, reports and expert opinions on science as they relate to air quality and health;
- Strong communication skills in English, both written and oral;
- Demonstrated understanding of the methods and applications of comparative risk assessments including those used for the Global Burden of Disease;
- Proficient with statistical software, including STATA, and various approaches of data analysis of large datasets;

Experience:

Public health experience including at the international level. Experience with environmental health database management and development and use of indicators.

Contact:

Expression of interest must be received no later than **16:00 (CET) on Tuesday 5 April 2015**. The expressions of interest are to be delivered electronically to Dr. Carlos Dora (dorac@who.int) copied to Ms. Heather Adair-Rohani (adairrohani@who.int).

Further questions about this consultancy can be directed to Dr. Dora and Ms. Adair-Rohani using the above contact information.