

For Submission to the SBSTA request for materials

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Introduction

The following information summarize the most relevant activities that WHO has been carrying out in the area of Climate Change and health, divided in three categories as per requested by SBSTA.

Category: Tools and Methods that are available and implemented for adaptation planning addressing health.

Title: Advanced Learning Package (ALP) on climate change and health

Type of document: Training materials

Description:

This initiative aims to support Member States and development partners in designing and implementing results-oriented and sustainable learning to address climate change. It has two main components related to:

a.) the development of a One (*single*) UN Climate Change training package; and b.) the implementation of pilot country projects.

Under the UN Climate Change training package, health was identified as one out of six initial priority areas to be supported with in-depth learning by the development of an ALP (Advanced Learning Package), which consists of a compilation of available UN resources on climate change and health, as identified by countries, under the following priority learning topics:

1. Health impacts of climate change;
2. Health-related Vulnerability and Adaptation (V&A) Assessments
3. Early Warning Systems for Health Risks;
4. Building Resilience of the Health System ;
5. National Strategies and Action Plans on Health Adaptation to Climate Change;
6. Monitoring and Evaluation of Programmes on Health Adaptation to Climate Change;
7. Engagement with other Health-determining Sectors;
8. Health co-benefits of mitigation and adaptation policies and programmes

Available learning materials include WHO as well as other UN relevant tools and resources. A limited number of key external resources were also included. The process of development of this resource served also to map current gaps in knowledge and technical guidance to building resilient health systems.

Website: <http://www.unclearn.org/>

Partners involved: This product was developed under the UN CC: Learn, an UN initiative financially supported by the Swiss Government and hosted by UNITAR.

Status: Finalized

Title: Vulnerability and Adaptation Assessment (V&A) guidance

Type of document provided: Guidance

Description:

This document is designed to provide basic and flexible guidance on conducting a national or subnational assessment of current and future vulnerability (i.e. the susceptibility of a population or region to harm) to the health risks of climate change, and of policies and programmes that could increase resilience, taking into account the multiple determinants of climate-sensitive health outcomes. The assessment outcome provides information for decision-makers on the extent and magnitude of likely health risks attributable to climate change, and priority policies and programmes targeted to prevent and reduce the severity of future impacts.

Website: <http://www.who.int/globalchange/resources/adaptationresources/en/>

Partners involved: None

Status: Finalized

Title: Atlas on Health and Climate

Type of document provided: Technical Report

Description:

The Atlas of Health and Climate is a product of a unique collaboration between the meteorological and public health communities. It provides sound scientific information on the connections between weather and climate and major health challenges. These range from diseases of poverty to emergencies arising from extreme weather events and disease outbreaks. It also includes environmental degradation, the increasing prevalence of noncommunicable diseases and the universal trend of demographic ageing.

Website: <http://www.who.int/globalchange/publications/atlas/en/>

Partners involved: WHO-WMO

Status: Finalized

Title: Mainstreaming gender in health adaptation to climate change programmes

Type of document provided: Guidance

Description:

This guide targets programme managers who work in climate change and health adaptation, and provides them with practical information and concrete guidance to mainstream gender throughout all four phases of the project cycle: identification, formulation and design, implementation, and monitoring and evaluation.

Website: <http://www.who.int/globalchange/publications/en/>

Partners involved: This is a product of the collaboration between the WMO and the WMO

Status: Finalized

Title: WHO guidance to protect health from climate change through health adaptation planning (H-NAP)

Description:

This guide targets decision makers in charge of planning adaptation actions for health protection from climate variability and change. *Using broadly the UNFCCC, and the NAP process in particular, as a framework*, the present guidance aims to ensure that the health sector works with partners in the environment and other related communities, and follows a systematic process to:

1. Engage in the overall NAP process at the national level
2. Identify national strategic goals for building health resilience to climate change (if countries have not done so through, for example, a National Health Adaptation Strategy).
3. Develop a national plan with prioritized activities to achieve these goals within both a specific time period and given available resources.

The guidance outlines the process to be followed to ensure these goals are achieved. In addition, further guidance on how to plan for building climate resilient health systems at country level is provided.

Website: <http://www.climateandhealthalliance.org/resources/international-guidance>

Partners involved: WHO

Status: Finalized

Title: Update guidance on global funding opportunities on CCH

Type of document provided: Guidance

Description:

This product generates constant mapping and updates of available entry points for health adaptation to climate change funding under the main global climate change funding streams as well as those under bilateral and international donors.

The current guidance can be found through the following link and includes four categories for funding source analysis:

- [For climate change adaptation implementation](#)
- [For adaptation integration in health development](#)
- [For climate and health research](#)
- [For mitigation](#)

Website: <http://www.who.int/globalchange/resources/adaptationresources/en/index3.html>

Partners involved: WHO

Status: Finalized

Title: Training on Climate Change Diplomacy and Health

Type of document provided: Training materials

Description:

This product was developed to train the selected representatives of Ministries of Health and Environment participating as negotiators in the Conference of the Parties to the UNFCCC. The content includes topics such as: health implications of climate change; health issues in the UNFCCC negotiations; general information on the relevant negotiating groups and forums; history of the negotiations under the UNFCCC and their relevance for health; and key issues in recent international climate negotiations and their relevance for health.

Website:

Partners involved: WHO

Status: Finalized

Title: Human Health and Climate Change in the Small Island States of the Pacific

Type of document provided: Technical report-guidance oriented

Description:

This Report summarizes the work carried out by the World Health Organization, in partnership with member states of the Pacific region, during the period 2010-2013, assessing human health vulnerabilities to climate change and the planning of adaptation strategies to reduce those risks. The document highlights key threats to wellbeing, health and physical security and the priorities for action. In relation to the latter, this report provides an evidence-based framework and a clear, feasible and regionally-specific roadmap for the implementation of adaptation measures to protect the health of Pacific island communities from the adverse impacts of climate change.

The aims of this Synthesis Report are to describe the methodology employed to assess the vulnerabilities of Pacific island countries to the health impacts of climate change; summarize the evidence linking climate change with health impacts in the Pacific region; and provide an overview of adaptation strategies to manage those threats to health.

Website:

Partners involved: WHO in partnership with member states of the Pacific region (Partners TBC)

Status: Finalized

Title: Arab environment. Climate Change: impacts of climate change on Arab countries (EMRO)

Type of document provided: Technical Report

Description:

The 2009 AFED report has been designed to provide information to governments, business, academia and the public about the impact of climate change on the Arab countries, and encourage concrete action to face the challenge. The report analyses the Arab response to the urgent need for adaptation measures, and uses the latest research findings to describe the vulnerabilities of natural and human systems in the Arab world to climate change and the impacts on each sector of human activity. The systems selected for this study include: coastal areas, food production, fresh water, human health, bio-diversity, in addition to the consequences on housing, transport, and tourism. In an attempt to help shape adequate policies, the

report discusses options for a post-Kyoto regime and outlines the state of international negotiations in this regard.
Website: http://www.afedonline.org/afedreport09/
Partners involved: UNDP Regional Bureau for Arab States
Status: Finalized

Title: Protecting health in Europe from Climate Change (EURO)
Type of document provided: Guidance
Description: This publication focuses on the current and projected health effects related to climate change and on the challenges they present to health systems in the WHO European Region. It provides up-to-date information and practical guidance on specific actions that can be taken now, at different levels, to protect health from climate change. It also highlights the opportunity of strengthening the links and developing synergy with other instruments, such as those developed to address health security. In doing so, it aims at bringing considerations about climate change on the agenda of health system governance, while bringing health considerations on the agenda of those responsible for addressing climate change in other sectors.
Website: http://www.euro.who.int/_data/assets/pdf_file/0016/74401/E91865.pdf
Partners involved: WHO Europe
Status: Finalized

Title: Climate Change Economics Tool (EURO)
Type of document provided: Guidance
Description: This economic valuation tool can help to analyse these costs and benefits. It comprises three main economic components: <ul style="list-style-type: none"> • the health damage costs associated with a “business-as-usual” (i.e. no adaptation) scenario under climate change; • the costs of undertaking the necessary measures to minimize or prevent the health damage of climate change; and • summary indicators of the economic performance of adaptation measures, in terms of either cost – effectiveness or economic benefits versus costs.
Website: http://www.euro.who.int/_data/assets/pdf_file/0018/190404/WHO_Content_Climate_change_health_DruckII.pdf
Partners involved: WHO Europe
Status: Finalized

Title: Guidance on water supply in extreme weather (EURO)
Type of document provided: Guidance
Description: This Guidance is intended to provide an overview of why and how adaptation policies should consider the vulnerability of and new risk elements for health and environment arising from water services management during adverse weather episodes. This document addresses a broad audience, including policymakers, environment, health and water resources professionals, and water services managers. An integrated environment and health approach steered the development and discussion of the Guidance.
Website: http://www.unece.org/fileadmin/DAM/env/water/whmop2/WHO_Guidance_EWE_Final_draft_web_opt.pdf
Partners involved: WHO Europe
Status: Finalized

Title: Heat-Health Actions plans (EURO)
Type of document provided: Guidance
Description: This publication addresses policy-makers in the health sector as well as medical professionals. It describes the general principles and core elements of national or regional heat-health action plans, gives options and models for interventions and practical examples and tools from various European countries.
Website: http://www.euro.who.int/_data/assets/pdf_file/0006/95919/E91347.pdf
Partners involved: WHO Europe
Status: Finalized

Title: Global Framework for Climate Services (GFCS) Adaptation Programme in Africa-Health component
Type of document: Link to project information
Description: Over 3 years, this project will explore how health actors in Malawi and Tanzania can better use climate information to inform health planning, research, and public health responses to climate-related health risks, such as cholera, malaria, malnutrition, and disasters. Health Project activities fall in 7 categories, and take place at both the national and sub-national level. <ul style="list-style-type: none"> • Mainstreaming Climate Change into Health Policy • Inter-sectoral coordination mechanisms for climate information • Vulnerability and Adaptation Assessment • Capacity Building • Developing and pilot testing 2 different climate services for health at the local level • Awareness raising and risk communication • Operational Research on health sector needs for climate services
Website: http://www.gfcs-climate.org/Norway_2
Partners involved: WMO-WHO, funded by the government of Norway.
Status: Ongoing (completion expected by 2016)

Title: WMO and WHO Joint Office for Climate and Health
Type of document: Link to press release
Description: A new WHO/WMO Climate and Health office has been established in response to the increasing demand from the health community for improved access to climate and weather products like regional climate predictions, hazard warning and seasonal outlooks. The office will ensure that there is in-house health expertise at WMO and a focal point for liaison with WHO to respond to the needs of different departments within WHO. The join office has been created under the auspices of the Global Framework for Climate Services (GFCS) and will contribute to increase awareness, build capacity, and connect meteorological services with experts in the health sector in an active partnership for climate adaptation and risk management.

Website: http://www.wmo.int/pages/mediacentre/press_releases/pr_996_en.html
Partners involved: WMO-WHO
Status: Ongoing

Category: Good practices and lessons learned in relation to adaptation planning, including monitoring and evaluation, addressing health.

Title: UNDP/WHO GEF Project “Piloting Climate Change Adaptation to Protect Human Health”
Type of document provided: Mid-term Review
<p>Description:</p> <p>The Pilot Program on Climate Change Adaptation to Protect Human Health is the first full-size project funded by the Special Climate Change Fund that pilots and demonstrates how adaptation can reduce health vulnerability to climate change (including climate variability).</p> <p>The objective of this mid-term review was to determine progress towards achievement of the four global Outcomes.</p> <ul style="list-style-type: none"> • Outcome 1: Establish early warning and response systems with information on the likely incidence of climate-sensitive health outcomes. • Outcome 2: Improve the capacity of health sector institutions to respond to climate-sensitive health risks based on early warning information. • Outcome 3: Pilot disease prevention measures in areas of heightened health risk due to climate change. • Outcome 4: Promote innovation in adaptation to climate variability and change through facilitating cooperation among participating countries. <p>The mid-term review focused on: the effectiveness, efficiency, and timeliness of program implementation; issues requiring decisions and actions on the strength and weaknesses of the project design; directional and implementation changes that will build on the strengths and correct weaknesses in program design, implementation, and management; and lessons learnt for future monitoring and evaluation of health adaptation projects. The mid-term review was conducted using a participatory approach, consulting with and keeping informed UNDP/GEF Task Managers and WHO and other relevant staff.</p>
<p>Website: http://www.adaptationlearning.net/project/piloting-climate-change-adaptation-protect-human-health http://www.who.int/globalchange/climate/gefproject/en/</p>
Partners involved: Funded by the Special Climate Change Fund. Implementing agency: UNDP, executive agency: WHO.
Status: Ongoing (end date May 2015)

Title: Adaptation to Climate Change to Sustain Jordan’s MDG Achievements *
Type of document provided: Final report
<p>Description:</p> <p>The rationale of this joint programme is to address threats to health, food security, productivity, and human security brought about by aggravated water scarcity that is induced by climate change as key to sustain Jordan’s human development achievements and growth. The strategy of the joint programme is to enhance the capacity to adapt to climate change by addressing Jordan’s long-term adaptation needs. The joint programme seek to develop Jordan’s key government and civil society’s capacities to adapt to</p>

climate change threats to health, food security, productivity, and human security under the conditions of severe water scarcity that is expected to be aggravated by climate change.

- Outcome 1: Sustained access to improved water supply sources despite increased water scarcity induced by climate change
- Outcome 2: Strengthened adaptive capacity for health protection and food security to climate change under water scarcity conditions

Website:

<http://www.mdgfund.org/es/program/adaptaci%C3%B3nalcambioclim%C3%A1ticolosodmmantenerjordaniaologros>

Partners involved: funded by the Government of Spain and implemented by 4 UN agencies (UNDP, UNESCO and WHO), five main national partners (Ministry of Planning and International Cooperation, Ministry of Health, Ministry of Agriculture, Ministry of Education and Ministry of Environment) and several other stakeholders such as IUCN - an international NGO - and a water supply company.

Status: Finalized

Title: Climate Change and Health in the Western Pacific Region Synthesis of Evidence, profiles of Selected Countries and Policy Direction

Type of document: Synthesis report

Description:

This document is a unique collaboration between climate change and health stakeholders from many Member States in the WHO Western Pacific Region. It describes the efforts and initiatives of dedicated experts in the field, and it contains lessons for policy-makers and scientists across the Region. This report, as well as an accompanying Synthesis of Climate Change and Health in the Pacific, document the climate change and health adaptation plans and activities of several countries in the region and can be referenced by governments, researchers and the public as resources that will increase awareness of the health impact of climate change and encourage similar initiatives elsewhere.

Website:

Partners involved: WHO with Member States in the WHO Western Pacific Region.

Status: Finalized (to be launched soon)

Title: Lessons learned from the first five years of implementation of health adaptation projects in low and middle income countries (2008-2013)

Type of document provided: Lessons learnt

Description:

A Synthesis report on lessons learned from the first five years of implementation of health adaptation projects in low and middle income countries (2008-2013) is under development, coordinated by WHO HQ. The synthesis report will draw from successful practices¹ and effective interventions identified in evaluation reports from health adaptation projects that have either been completed (e.g. those funded by

¹ The document intends to highlight successful interventions for potential scale-up, but also “what did not work” as difficulties encountered during the various project cycles.

the MDG-F in Jordan and China, and the Philippines, and by the German Government in Central Europe and Asia) or that are nearing completion (the WHO/UNDP Global project on health adaptation, funded by the Global environmental Facility). It will also try to draw on experience in scaling up interventions in other areas of health, with a focus on other environmental health areas, such as water and sanitation.

Website:

Partners involved: Funded by the Special Climate Change Fund. Implementing agency: UNDP, executive agency: WHO.

Status: Under development

Title: Adaptation to Climate Change: A Vulnerability Assessment for Sudan (EMRO)

Type of document provided: Vulnerability assessment and lessons learnt

Description:

This study assesses Sudan's vulnerability to climate change. By overlaying maps of population distribution, poverty, rainfall distribution and variability, and incidence of environmental hazards, it has been possible to identify the states which are most vulnerable to climate change. It also outlines some of the actions being taken to help the country to adapt to a changing climate, and makes recommendations for how such actions could become more effective.

Website:

<https://dlc.dlib.indiana.edu/dlc/bitstream/handle/10535/5850/14855IIED.pdf?sequence=1>

Partners involved: IIED

Status: Finalized

Title: Climate Change Adaptation options and good practices for the Arab region(EMRO)

Type of document provided: Lessons learnt

Description:

The study examines current evidence provided by earlier studies and research in order to provide the UNDP-Arab Region Office with an improved understanding of the potential adaptation to climate change impacts for the Arab region. It provides an overview of the options for adaptation in order to minimize potential negative effects.

Website: http://www.arabclimateinitiative.org/knowledge/background/Balgis_CC_Adaptation-AG-Clean2.pdf

Partners involved: UNDP Regional Bureau for Arab States

Status: Finalized

Category: Good practices and lessons learned in relation to linking national and local adaptation planning.

Title: Building adaptation to climate change in health in least developed countries through resilient WASH

Type of document provided: Evaluation Report

Description:

The impact of this project is expected to be greater health protection from climate change for the poorest

populations, with a target that 25% of Low Income Countries (LICs) and Low-Middle Income Countries (LMICs) have health adaptation plans and policies in place by 2017.

The outcomes directly attributable to this programme are:

- i) An improvement in health adaptation practice and a reduction in vulnerability for the four pilot countries (Tanzania, Bangladesh, Ethiopia and Nepal)
- ii) Improvements in adaptation in the health sector in a wider set of low and low-middle income countries
- iii)

The specific outputs will relate to international level guidance, national level policies, utility management level, and household and community level.

Website: <http://www.who.int/globalchange/projects/wash/en/>

Partners involved: WHO and DFID

Status: On-going (to be finished in 2017)

Title: Adaptation to climate change in the health sector: Improving engagement, evidence and action in sub-Saharan African countries

Type of document provided: Link to project information

Description:

The overall objectives of the programme 'Adaptation to Climate Change in the Health Sector' focus on a strengthened positioning of health issues in the international debate on adaptation to climate change and a higher prioritization at a national level. This project aims to concentrate on the health sector in African and South-East Asian countries by improving Engagement, Evidence and Action

Website: <http://www.who.int/globalchange/projects/adaptation-climate-change/en/>

Partners involved: WHO and GIZ

Status: On-going (to be finished in 2015)