

Action Plan for Climate Change Health Adaptation Strategy (2016-2020)

SO 1: Raise public awareness about climate change and its effect on health

Actions	Measures	Time frame	Responsible institutions	Monitoring and evaluation (Indicators)
1.1 Education on and provision of regular information to the public on climate change health effects	Preparation, printing and distribution of information, education and communication (IEC) leaflets and brochures about impact of climate change on health and protection measures	2016-continuously	National Health Education , Information and Communication Center (NHEICC)	Annual production and distribution of IEC materials
	Regular media briefing	2016-continuously	NHEICC	Number of media briefings
	Participation in audio/visual (appropriate methods and media) shows about the effects of climate change on health (Advocacy, social mobilization and BCC) based on target	2016-continuously	NHEICC	Number of TV shows

	population needs and demand.			
1.2 Introduce/update climate change and health related modules into school and university curriculum	Update/revision of curriculum	2016-2020	NEHICC in collaboration with Curriculum Development Center (CDC) of schools and universities	Course contents of climate change and health in the School and University curriculum
1.3 Capacity development of health professional and other related stakeholder at all level.	Regular training programmes to health professionals	Since 2016-regularly	National Health Training Centre (NHTC)	Number of trained participants
1.4 Integrating content of health impacts of climate change in informal sector	Development of audiovisual materials and dissemination in non-formal education sector	2016-2020	NHEICC in collaboration with non-formal education center	Production of audio-visual materials on climate change and health

SO 2: Generate evidences on health effects of climate change at national and sub-national level

Actions	Measures	Time frame	Responsible institutions	Monitoring and evaluation (Indicators)
2.1 Improving the recording and reporting of climate sensitive health risks	Training to health professionals on diagnosis, data recording format and reporting	2016 – regularly	Management Division/HMIS and D (P)HOs	Data base of climate sensitive diseases/risks
	Development of training manual on climate change and health research	2016	NHTC	Training Manuals
	Institutional based research activities in all level (give targets for hospital and district office)	2016-2020	NHRC	Research reports
2.2 Enhancing the capacity on data analysis in particular to climate and health data	Training on data management and analysis	2016-2020	Nepal Health Research Council (NHRC) / Universities	Number of trained participants on data analysis and management
2.3 Mapping of research institutes/Experts working on climate change	Institutional mapping and developing roster of experts	2016-2017	NHRC	Research report/Roster/Da tabase

and health				
2.4 Develop and maintain a database of past and current research projects related to climate change and health	Development of online data base of health research bibliography in Nepal	2016-regularly	NHRC	Health Research Data base
2.5 Institutional linkage and co-ordination about generated evidences	Regular interaction through meetings/ publications/ dissemination	2016-regularly	NHRC/ Universities	Database of institutions/ research reports/published articles
2.6 Strengthen translation of evidences generated in climate change and health to appropriate policy and program actions	Regular interaction between researchers and policymakers	2016-regularly	NHRC/ Ministry of Health	Number of evidence based policies and programs
2.7 Enhance institutional and individual capacity on developing policy briefs and doing systematic reviews on climate change	Training workshops	2016-regularly	NHRC/ Universities	Number of policy briefs and published systematic reviews on climate change

on health				and health
2.8 Mapping of distribution of medicinal plants above 3000 m	Conduction of regular survey to spatio-temporal distribution of medicinal plants above 3000m in Nepal	2016-2020	Department of Aurveda/Aurv eda Research and Training Center	Survey reports and distribution maps
2.9 Conduct multi-sectors surveys on health impacts of climate change on health	Research studies and surveys	2016-2018	NHRC	Research and Survey Reports
2.10 Conduct and promote Research on health risks related to extreme climatic events and advocate for implementation of evidence based recommendation	Conduction of scientific research and research communication via appropriate channel	2016	NHRC/NAST/ Universities/ Research Institutions	Research reports and policy briefs
2.11 Improving Recording and reporting of epidemic and extreme events risks	Revising/developing electronic data base for compiling disaggregated data	2016 and regularly	MoH/MoHA and related institutes	Reports

SO 3: To reduce morbidity and mortality of infectious diseases (vector, water, air and food-borne diseases) and malnutrition attributed to climate change

Actions	Measures	Time frame	Responsible institutions	Monitoring and evaluation (Indicators)
3.1 Strengthen and establish surveillance system of climate related/sensitive infectious diseases	Training to health professionals on diagnosis, data recording format and reporting	2016 – regularly	Epidemiology and Disease Control Division (EDCD)	Data base of climate sensitive diseases/risks
3.2 Implement climate resilient water safety plan	Supply of sufficient safe drinking water	2016 – regularly	Ministry of Drinking Water and Sanitation d/Department of Water Supply and Sewerage (DWSS)	Percentage of population covered of safe drinking water and sanitation
3.3 Strengthen water quality surveillance	Training to technicians of local bodies/District Public Health Office on water quality surveillance	2016 – regularly	EDCD/MoH	Data generated from water quality assessment
3.4 Protect water source and promote open	Raising awareness	2016 – regularly	DWSS	Number of ODF declared districts/VDCs

defecation free (ODF)				
3.5 Improve air quality and monitor air quality and air borne diseases	Raise awareness on air pollution and air borne diseases	2016 – regularly	Ministry of urban development/ Ministry of federal affairs and local development, MoHP	Hospital data on air borne diseases/ survey reports
3.8 Advocate to ensure food safety	Awareness and monitoring on food safety	2016 – regularly	Ministry of Agriculture	Reports
3.9 Promote appropriate feeding practices	Awareness raising and behaviour change programmes	2016- regularly	Child Health Division/MoH	Reports
3.10 Environmental sanitation and Hygiene promotion	Awareness raising and behaviour change programmes	2016- regularly	NHEICC/ DWSS	Percentage of households practicing environmental sanitation and hygiene promotion
3.11 Strengthen surveillance on vector,	Review and scale up of programmes	2016- 2017	EDCD	Changes in or scale up of diseases control programmes

water and food borne diseases and scale up of diseases control programs as per the need				
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SO 4: To manage the risks of extreme climatic events

Actions	Measures	Time frame	Responsible institutions	Monitoring and evaluation (Indicators)
4.1 Strengthen Institutional arrangement for addressing environmental health and climate change issue	Strengthening institutional capacity in the relevant ministries and institutions by assigning working groups for implementation of activities in the area of environmental health and climate change	2016	MoH/MoPE/MoLD/MoUD and other government bodies	Signed decisions for responsible people appointed to the working groups
4.2 Establish early warning system	Develop early warning alert system regarding the quality of the ambient air and epidemic of	2016-regularly	MoHP/MoSTE/MoHA/MoLD and other government bodies	Functional alert system for early warning regarding the quality

	communicable diseases to protect health			of the ambient air, water, extreme events such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health
4.3 Set up Rapid Response Team Awareness	Formation of rapid response team at central, federal state, district and local level	2016	MoHP/MoHA/MoSTE	Meeting minutes and formation of functional working groups
Development of environmental friendly health institutions	Construction of environmental friendly health institutions	2016-2020	MoH in collaboration with DUDBC	Number of environmental friendly health institutions
4.5 Preposition of logistics	Preparation of contingency plan	2016 and regularly	MoH/MoF/MoHA/MoD	Contingency plan
4.6 Strengthen legal framework	Review and update of legislation to suit present context	Regularly		Legislations in actions

SO 5: To protect human health from climate change through multispectral response ensuing health in all policies

Actions	Measures	Time frame	Responsible institutions	Monitoring and evaluation (Indicators)
5.1 Formation of Multi-sectoral co-ordination committee	High level committee, steering and working committee	Sep 2015	NPC/MOHP	No. of meetings of the committee
5.2 Advocacy and awareness for stakeholders	Orientation to stakeholders, IEC/BCC	By Dec 2015	NPC/NHEICC/MOH	No. of stakeholders oriented, No. of IEC/BCC material produced
5.3 Incorporate Health in all Policies	Incorporate Health issues in all sectoral policies of	2016 onwards	NPC/MOH/ all sector	No. of sector/Policies incorporated the health issues in relation to climate change
5.4 Multi-stakeholders Surveillance of health risks related to climate change	Surveillance body/site/process	2016 onwards	EDCD/MOH	No. of Health risks Identified