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

	population needs and			
	demand.			
1.2 Introduce/	Update/revision of	2016-2020	NEHICC in	Course
update climate	curriculum		collaboration	contents of
change and health			with	climate
related modules into			Curriculum	change and
school and			Development	health in the
university			Center (CDC)	School and
curriculum			of schools and	University
			universities	curriculum
1.3 Capacity	Regular training	Since 2016-	National	Number of
development of	programmes to health	regularly	Health	trained
health professional	professionals		Training	participants
and other related			Centre	
stakeholder at all			(NHTC)	
level.				
1.4 Integrating	Development of	2016-2020	NHEICC in	Production of
content of health	audiovisual materials		collaboration	audio-visual
impacts of climate	and dissemination in		with non-	materials on
change in informal	non-formal education		formal	climate
sector	sector		education	change and
			canter	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	Training to health	2016 -	Management	Data base of
the recording	professionals on diagnosis,	regularly	Division/HMIS	climate sensitive
and reporting of	data recording format and		and D (P)HOs	diseases/risks
climate sensitive	reporting			
health risks				
	Development of training	2016	NHTC	Training Manuals
	manual on climate change			
	and health research			
	Institutional based research	2016-	NHRC	Research reports
	activities in all level (give	2020		
	targets for hospital and			
	district office)			
2.2 Enhancing	Training on data	2016-	Nepal Health	Number of
the capacity on	management and analysis	2020	Research	trained
data analysis in			Council	participants on
particular to			(NHRC) /	data analysis and
climate and			Universities	management
health data				
2.3 Mapping of	Institutional mapping and	2016-	NHRC	Research
research	developing roster of experts	2017		report/Roster/Da
institutes/Experts				tabase
working on				
climate change				

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

on health				and health
2.8 Mapping of	Conduction of regular	2016-	Department	Survey reports
distribution of medicinal plants	survey to spatio-temporal	2020	of	and distribution
above 3000 m	distribution of medicinal		Aurveda/Aurv	maps
	plants above 3000m in		eda Research	
	Nepal		and Training	
			Center	
2.9 Conduct	Research studies and	2016-	NHRC	Research and
multi-sectors surveys on health	surveys	2018		Survey Reports
impacts of climate change				
on health				
2.10 Conduct and	Conduction of scientific	2016	NHRC/NAST/	Research reports
promote Research on	research and research		Universities/	and policy briefs
health risks	communication via		Research	
related to extreme climatic	appropriate channel		Institutions	
events and				
advocate for implementation				
of evidence				
based recommendation				
2.11 Improving	Revising/developing	2016	MoH/MoHA	Reports
Recording and	electronic data base for	and	and related	rieports
reporting of	compiling disaggregated	regularly	institutes	
epidemic and	data	, couldity	sticates	
extreme events	data			
riks				
11/2				

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

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

water and		
food borne		
diseases and		
scale up of		
diseases		
control		
programs as		
per the need		

## SO 4: To manage the risks of extreme climatic events

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

Landslides, floods etc, epidemic preparedness to protect health		communicable			of the ambient
such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health  4.3 Set up Rapid Response Team response team at Awareness central, federal sate, district and local level Development of environmental construction of friendly health environmental friendly institutions health institutions Preparation of 2016 and MoH/MoF/ Contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health MoH/MoF/ Contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health MoH/MoH/MoF/ Contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan such as cold wave, heat wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of contingency plan wave, landslides, floods etc, epidemic preparedness to protect health mother and formation of etc.		diseases to			air, water,
wave, heat wave, landslides, floods etc, epidemic preparedness to protect health  4.3 Set up Rapid Response Team response team at central, federal sate, district and local level  Development of environmental response team at friendly health institutions  Construction of environmental friendly institutions  4.5 Preposition of logistics  wave, heat wave, landslides, floods etc, epidemic preparedness to protect health  MoHP/MoHA/  Meeting minutes and formation of functional working groups  MoH in Number of environental friendly institutions  Collaboration environental friendly health institutions  4.5 Preposition of Preparation of contingency plan regularly MoHA/MoD		protect health			extreme events
Landslides, floods etc, epidemic preparedness to protect health					such as cold
4.3 Set up Rapid Response Team Awareness  Development of environmental friendly institutions  Construction of environmental health institutions  Exponse Team  Development of environmental friendly institutions  Construction of environmental friendly institutions  Contingency plan  Contingency plan  Contingency plan					wave, heat wave,
4.3 Set up Rapid Formation of rapid Response Team response team at Awareness central, federal sate, district and local level Development of environmental response team at friendly health environmental friendly health institutions health institutions Preparation of Logistics contingency plan preparedness to protect health health institutions protect to protect health protect to protect health health health institutions protect health institutions protect health institutions protect health institutions protect health institution protect health institutions p					landslides, floods
4.3 Set up Rapid Response Team Awareness  Development of environmental friendly institutions  Construction of environmental health institutions  4.5 Preposition of logistics  To protect health  MoHP/MoHA/ Meeting minutes and formation of functional working groups  MoSTE  MoH in Number of collaboration environental friendly health institutions  MoH in Number of collaboration environental friendly health institutions  MoH/MoF/ Contingency plan  To protect health  MoHP/MoHA/  MoHA/MoD  To protect health  MoHP/MoHA/  MoHA/MoD  To protect  Nealth  MoHP/MoHA/  MoHA/MoD  To protect  Nealth  MoHA/MoD  To protect  Nealth  MoHA/MoD  To protect  Nealth  MoHA/MoD					etc, epidemic
4.3 Set up Rapid Formation of rapid Response Team response team at central, federal sate, district and local level Development of environmental environmental friendly institutions health institutions health institutions  4.5 Preposition of logistics  Preparation of contingency plan   Development of contingency plan   Development of central, federal sate, district and local level   Development of functional working groups   Development of central, federal sate, district and local level   Development of functional working groups   Development of central, federal sate, district and local level   Development of functional working groups   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and formation of functional working groups   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central, federal sate, district and local level   Development of central federal sate, district and local level   Development					preparedness
4.3 Set up Rapid Formation of rapid response Team response team at central, federal sate, district and local level Development of environmental riendly health institutions health institutions  4.5 Preposition of logistics  Formation of rapid 2016 MoHP/MoHA/ Meeting minutes and formation of functional working groups  MoSTE and formation of functional working groups  And the proposition of environmental friendly and collaboration environental friendly health institutions  And the proposition of preparation of contingency plan regularly MoHA/MoD					to protect
Response Team Awareness  Central, federal sate, district and local level  Development of environmental institutions  Construction of environmental friendly institutions  Construction of environmental friendly institutions  Construction of environmental friendly institutions  MoSTE  and formation of functional working groups  MoH in Number of collaboration envrionental with DUDBC friendly health institutions  4.5 Preposition of logistics  Preparation of contingency plan regularly MoHA/MoD					health
Response Team Awareness  Central, federal sate, district and local level  Development of environmental institutions  Construction of environmental friendly institutions  Construction of environmental friendly institutions  Construction of environmental friendly institutions  MoSTE  and formation of functional working groups  MoH in Number of collaboration envrionental with DUDBC friendly health institutions  4.5 Preposition of logistics  Preparation of contingency plan regularly MoHA/MoD					
Awareness central, federal sate, district and local level functional working groups  Development of environmental Construction of friendly health environmental friendly institutions health institutions health institutions  4.5 Preposition of logistics contingency plan functional functional working groups  MOH in Number of collaboration environental friendly health institutions  With DUDBC friendly health institutions  Contingency plan regularly MOHA/MOD	4.3 Set up Rapid	Formation of rapid	2016	MoHP/MoHA/	Meeting minutes
Development of environmental friendly health institutions  Construction of environmental friendly institutions  Construction of environmental friendly 2020 collaboration environmental with DUDBC friendly health institutions  4.5 Preposition of logistics  Preparation of contingency plan regularly  MoHA/MoD	Response Team	response team at		MoSTE	and formation of
Development of environmental Construction of 2016- MoH in Number of friendly health environmental friendly 2020 collaboration envrionental institutions health institutions with DUDBC friendly health institutions  4.5 Preposition of Preparation of contingency plan logistics contingency plan  Roy Contingency plan  Roy Contingency plan  Roy Contingency plan	Awareness	central, federal sate,			functional
environmental Construction of friendly health environmental friendly health institutions health institutions health institutions with DUDBC friendly health institutions  4.5 Preposition of Preparation of logistics contingency plan regularly MoHA/MoD		district and local level			working groups
environmental Construction of friendly health environmental friendly health institutions health institutions health institutions with DUDBC friendly health institutions  4.5 Preposition of Preparation of logistics contingency plan regularly MoHA/MoD					
friendly health environmental friendly institutions health institutions health institutions with DUDBC friendly health institutions  4.5 Preposition of logistics contingency plan regularly MoHA/MoD	Development of				
institutions health institutions with DUDBC friendly health institutions  4.5 Preposition of Preparation of logistics contingency plan regularly MoHA/MoD	environmental	Construction of	2016-	MoH in	Number of
4.5 Preposition of Preparation of Preparation of Contingency plan regularly MoHA/MoD	friendly health	environmental friendly	2020	collaboration	envrionental
4.5 Preposition of Preparation of 2016 and MoH/MoF/ Contingency plan logistics contingency plan regularly MoHA/MoD	institutions	health institutions		with DUDBC	friendly health
logistics contingency plan regularly MoHA/MoD					institutions
	4.5 Preposition of	Preparation of	2016 and	MoH/MoF/	Contingency plan
A 6 Strongthon Dovious and undate of Dogularly	logistics	contingency plan	regularly	MoHA/MoD	
4.6 Strengthen   Review and update of   Regularly   Legislations in	4.6 Strengthen	Review and update of	Regularly		Legislations in
legal framework legislation to suit actions	legal framework	legislation to suit			actions
present context		present context			

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