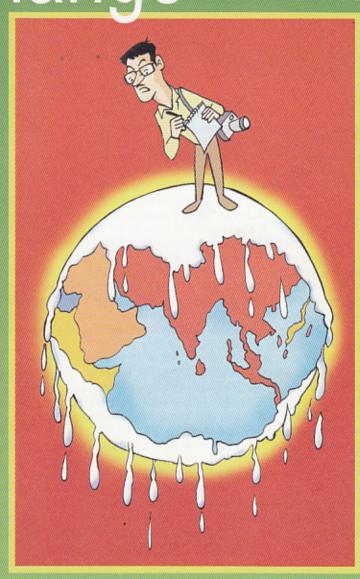
Climate Change Understand and Change Communicate



Preface

The Climate Change stories are complex even for those reporters who regularly cover them and have easy access to the knowledge banks. In the context of Nepal, reporting on scientific issues like Climate Change is quite complicated as most of the literature are available in English or are in complicated Nepali languages. Most of the Nepali reporters write their stories in Nepali, based on their limited knowledge of English and deliver the complicated messages to their desk editors or the editors. And, these editors, who also have limited knowledge on these issues, deliver same complicated messages to the general public. As a result, Nepali public are confused on the issues related to the Climate Change, which have a severe impact on their day to day life.

To change this situation, Nepal Forum of Environmental Journalists (NEFEJ) initiated the publication of a toolkit for the journalists who have limited knowledge on science, Climate Change and English language. NEFEJ, a non-governmental organisation which recently completed 25 years in promoting environmental journalism in Nepal, hope that this toolkit will not only help Nepali Journalists but also others who wanted to understand the issues related to Climate Change. The Ministry of Environment, Government of Nepal (www.moenv.gov.np) and the Asian Development Bank (http://beta.adb.org/countries/nepal/main) provided financial and other support to publish this toolkit.

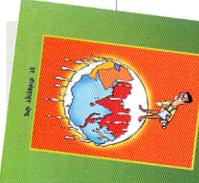
The toolkit, written by renowned Nepali scientist Dr. Tirtha Bahadur Shrestha and edited by senior journalist Rajendra Dahal, contains nine chapters which are described briefly in this booklet. Apart from, nine main chapters, the toolkit also contains chapters on acronym and jargons, references available in Nepali and English languages and list of the organisations which are working in the field of Climate Change.

NEFEJ hopes that the toolkit will be an example for those countries which have large population of journalists who have limited knowledge of the international languages, including English, and encourage the local organisations to write books and other reference materials on their local languages to better understand the issue of Climate Change.

For those who do not have access to the hard copy of the toolkit, NEFEJ has uploaded soft copy on www.nefej.org.np for free download.

About the book

ंजनायु परिवर्तन बुभर्गे र बुभराउँ



Our contribution on Climate

Change is almost nil; but we are one of the most affected countries.

The life on Earth is based on five elements (Panchatatwa), which are Jal (water), Sthal (Earth), Vayu (Air), Prakash (light or fire) and Aakash (space) and is also the basis of our life. After the beginning of the industrial revolution some 260 years ago, humans started to disrupt the balance of these five elements, which gradually resulted in the change in climate.

The new and serious challenges of Climate Change were added in the development of Nepal while we were developing our country in a sustainable manner by conserving the natural resources and environment in our own method. To face these challenges, we are bound to work together with the international community. According to the international evaluation, Nepal is the fourth most vulnerable country because of Climate Change.

Our contribution on Climate Change is almost nil; but we are one of the most affected countries. In this context, the need is to communicate effectively on the realities of Climate Change with all stakeholders including people, planners, political leaders, policymakers, governments, people whose livelihood is based on the natural resources, youth, students and international community. People can only understand the facts about Climate Change when it is presented in simple language and appropriate manner. For this, the challenge of journalists is to report on the issues of Climate Change in simple, interesting and appropriate way through mass media. Thus, this toolkit is designed for journalists to give them the basic knowledge of Climate Change.

Chapter I

Concept

Americas have four seasons, which are spring, summer, auistic of atmosphere. The year-long climate is generally dikeeps changing; whereas climate is a long-term characterwind, temperature, cloudiness, moisture, pressure, etc which is the state of the atmosphere of a region with respect to weather, but there is vast difference in the meaning. Weather When we talk about the climate, we always think abou have only two seasons; winter and summer. soon, post monsoon, autumn, and winter. The Polar Regions vided into different seasons. The countries of Europe and Nepal have six seasons, which are spring, summer, montumn, and winter; whereas South Asian countries including

bate of Climate Change. concern. And, this situation is related to the worldwide despecific location, region or planet is the matter of serious mate of certain region or long-term shift in the climate of a The long-term or widespread change in the pattern of cli-

flood (GLOF), cloud burst, bio-location, carbon cycle, carbon the Himalayas, glaciers, glacial lake, glacial lake outburst climate of the Earth, Greenhouse gas and its sources, snow cloud, carbon neutral, moraine, bio-climatic zone etc sink, carbon trade, carbon sequestering, fossil fuel, brown terms of Climate Change in the context of Nepal including Apart from these two terms, this chapter also describes other

enough time

to wait for it

warming nor

we have

six seasons South Asiar Nepal have Americas countries seasons have tour including whereas

Europe and



spring

summer

Monsoon





Post Monsoon

autum



Winter

Chapter 2 Facts of Climate Change

suddenly high or low that can invite accident. We can feel of space and time in the mass media. Thus the journalists decades ago, global warming was a debatable phenoemena past. And, that has headed towards global warming. Some its characteristic. If the speed of change is unnaturally and should be based on the facts. should maintain objectivity while reporting on this issue and litical arena. Naturally, this debate has occupied large chunks but now global warming and Climate Change are the main dramatic changes in the temperature of Earth in the recent Earth's climate changes naturally and persistent change is issues of concern in the development, environment and po-

able development. from the impact of Climate Change and to lead us to sustain Journalists have bigger roles to play to save Nepal and Nepal the scientific data. Though we don't have any contribution or not new for Nepal, but we don't have enough scientific statis-Climate Change, we are one of the most affected countries tics. Another fact is that we don't have enough time to wait for Nepali journalists should understand that global warming

have enough

Nither we

statistics of scientific

global

phy and mountains and has the risk of landslides. Our liveliered by journalists. For example, Nepal has fragile geograthe impact as well. ters including heavy rain or minimum rainfall, storms, flood Change will be on our glaciers. Frequency of natural disasthe context of Climate Change. The first impact of Climate including water, agriculture and forest and are vulnerable in hood and national economy is based on the natural resources There are some facts about Nepal which should be consid landslides and droughts will increase and that will increase

analyse, then you will find out that second statement is basec cause of growing invasive species? If you seriously think and carefully look at both sides of the coin. For example, let's take tween the cause and result of Climate Change. They should Journalists should able to understand the differences beon the facts vasive species kill Nepali forest or deforestation is the main Nepali forest'. Let's think about this. Do these flourishing inthe popular Nepali news story of 'Invasive species killing



Chapter 3 Issues of concern

we need to understand the balance created by population, human society and their activities on the inter-link between water, land and forest.

Priority has been given to the issues related to livelihood of Nepali people as the numerous issues of Climate Change cannot be incorporated in this small book. To start with, the study of Climate Change from different angles of land use and land management patterns is relevant. For this, sustainable land management should be in focus. Which means, we need to understand the balance created by population, human society and their activities on the inter-link between water, land and forest because change in the environment and climate has direct effect on that balance. Journalists need to understand the core issues of Climate Change in two categories; (a) situation of environmental balance and sustainable development and (b) environmental degradation and indications of disasters.

The situation of environmental balance and sustainable development includes the issues related to the improvement of ecosystem because of sustainable land management, sufficient forest land, wildlife and biodiversity, balance between agricultural land and forest, protected habitat of wildlife, environmental and economic benefits from conservation area, community forest, religious forest (forest conserved for religious proposes) and greasing land, planned urbanisation and easy access to education, health facilities and employment and increasing use of alternative energy.

On the issue of environmental degradation and indications of disasters, journalists should basically focus on environmental and social aspects of the issues. Environmental aspects include scarcity of water (drinking water, water for sanitation and irrigation), flood, drought, forest fire, decreasing number of wild species etc. Social aspects include internal conflict, migration, displacement and forced migration, famine, food shortage, epidemic etc.

special priority should be given to the thoughts expressed by women as they are permanent residence of the area in the context of Nepal.

Chapter 4 Impact Assessment of Climate

Change

serious thinking and open dialogue is needed. Open diament on the traditional knowledge and local experiences no rain. In this situation, it is advisable to base the assesscal condition, for example, Pokhara and Mustang. Pokhara Change in the country like Nepal, which has diverse ecologi-Climate Change impact assessment is normally based or area in the context of Nepal. The hypothesis expressed by expressed by women as they are permanent residence of the age groups. Special priority should be given to the thoughts rather than the findings of international scientists. For this gets regular rainfall whereas Mustang is highland desert with hypothesis. It is very difficult to assess the impact of Climate dialogue should be respected different groups usually varies. All the idea express on open including representatives from all class, ethnicity, castes and logue should include all the stakeholders of the community

Locals may express various ideas including impacts of Climate Change on the agricultural production, productivity, and long and short term impact on agricultural system, food security, issues related to health and disease, impact on transportation, natural disasters etc. Concerns of women may be different: they may express their concern related to family health, nutritious food for children, education, issues of livelihood and security. However, concerns of men and representatives of poor community may be different.

Increase in the temperature, change in the rain pattern and natural disasters are the major indicators of Climate Change in the context of Nepal. While reporting on Climate Change, journalists should read these indicators carefully before writing. Apart from that, issues related to agriculture and livestock, forest, flora and fauna, drinking water, energy, public health, sanitation, tourism, livelihood of vulnerable and marginalised community should be analysed.





Chapter 5 Climate Change and

Public Health

and will increase the cases of asthma, respiratory allergies mate Change is a significant and emerging threat to public carry many infectious diseases including mosquitoes. Climajor cause of increasing population of insects, which cent. It will also increase the cases of heatstroke. It will be a the temperature will increase cases of diarrhea by eight per-Change (IPCC) estimated that average one degree rise in The 2007 report of Intergovernmental Panel on Climate the impact of Climate Change. policy of Nepal, which needs to improve in accordance with and airway diseases. This chapter briefly describes the health mosquitoes in Nepal. Climate Change will affect air quality because of waterborne diseases and diseases carried by landslide, cases of fire etc. In 2009, 462 people were killed cause of Climate Change. Extreme weather also causes flood Health problems related to extreme weather events rise bebecause of heatstroke and 20 died of extreme cold in Nepal ing to official statistic of government of 2008, 75 people died health including diseases related to extreme weather. Accord-

public health ing threat to and emerg-

diseases related to

extreme weather

including

Change is a significant

for NHEICC (www.nheicc.gov.np/home.html) This chapter is based on the report by Dr. Bandana Pradhan

Chapter O International conventions and other initiative

col. It also describes the responsibilities of the Annex I coun-National Authority for Clean Development Mechanism-CDM tries. Nepal has designated the Ministry of Environment as Convention on Climate Change (UNFCCC) and Kyoto Proto-Chapter Six briefly describes the United Nations Framework focal point for UNFCCC and the Ministry is also Designated

Policy, 2011 has been developed and preparation for Loca project related to Clean Development Mechanism. Nationa also developed the action plan to review and approve the Change, Desertification and Biological Diversity). Nepal has Project in order to implement the Rio Conventions (Climate nication Report are on progress. Adaptation Programme of Action-IAPA, and National Commu-Adaptation Programme of Action (NAPA), Climate Change ing under the National Capacity Needs Self Assessment Nepal has prepared the action plan related to capacity build

population of this region is

directly

The liveli-

hood of

Himalayas. area because of Climate Change. It is also important to mention that the livelihood of population of this region is directly world's total poor population live, will be the most affected Asian countries, including Nepal, where the fifty percent of Regional cooperation: Studies have shown that the South relying on monsoon which has close relationship with the

tionship with

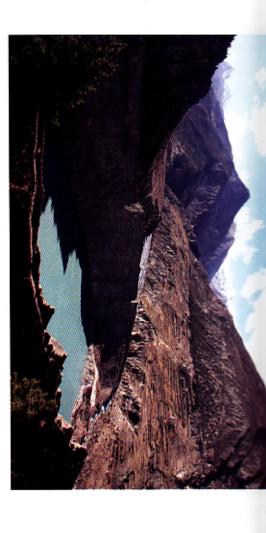
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close relawhich has monsoon relying on

Himalayas

operation (SAARC) are active in this field. Climate Change cooperation is an important factor. Two regional organisations, was the main agenda of SAARC Thimpu Summit in 2010. (ICIMOD) and the South Asian Association for Regional Co-The International Centre for Integrated Mountain Development To handle the global problem like Climate Change, regional





Chapter /

Policy, laws and implementation

servation and promotion of bio-diversity (forest and agriculwater, land, forest and other renewable resources, (b) con-Change, which have three objectives: (a) sustainable use of tion Strategy 1998 is also a milestone in the field of Climate prepares Climate Change Policy, 2011. National Conservaparty to the Convention in 1994. Under this convention, Nepal Climate Change (UNFCC) on 12 June 1992 and became the Nepal signed the United Nations Framework Convention or tural) and (c) protect the eco-system.

resources, to promote public participation, to convert waste Climate Change Policy, 2011 was proclaimed by the Governmote public awareness and capacity building, to develop cli-The policy has strategy and action plan to promote human ment of Nepal to promote climate adaptation and mitigation viding financial and technical support and incentives mate model and to encourage low carbon emission by pro to resources, to prepare for disaster and epidemic, to pro-

the Govern

claimed by was proPolicy, 2011

Change Climate

in order to benefit from Clean Development Mechanism by and monitoring, to prepare a national strategy for carbon trade Centre within one year to conduct Climate Change research various geographical areas and development sectors by 2013 assessment of losses and benefits from Climate Change in mate-resilient socio-economic development by 2014, and 2012. The policy also set timeline to form and implement a The policy also set timeline to establish a Climate Change low carbon economic development strategy that supports cli-

and mitigaadaptation

promote Nepal to ment of

climate

Chapter & Reporting on Climate Change

Journalism is easy if you follow the saying, "The communica-

interacting with the experts and the victims and by directly terials included in this book and other reference materials, by unless they know the subject thoroughly. By reading the ma-Like other issues, journalists cannot report on Climate Change Change reporting. the messages to make the deepest possible penetration into tors should know what to communicate and how to deliver observing the impact of Climate Change, they can know the the minds of the audience." The same is applied to Climate

ssue very well.

dryness on the waterspout of water springs of mid-hills of For example, Climate Change was reported as the cause of the experience of locals, which might not be true all the time. edge on this subject is based on some scientific facts and on entific data on the issues related to Climate Change. Knowllot of scientific data, but journalists might not get enough scishould understand that this field of science is not mature as Nepal, but scientists were unable to find any clue on this other fields of science. Giving any scientific statements needs While reporting on the issues of Climate Change, journalists

general public. porting on the basis of incident is not enough to understand Climate Change reporting is complex issue and simply rethe issue completely. Journalists should develop feature stories/documentaries to provide complete information to

their feelings, for example, a Koshi victim says, "I really like to ing and authentic. Some people are very good at presenting very important for reporting. That will make the story interestreporting on human. Interaction with experts and victims is related to people. In fact, reporting on Climate Change is father, mother, brothers and sisters." kill this river by beating up, this river swallowed my family, my from the human settlements, but these issues are directly related to glacier, snow, mountains, space etc. which are far People have false impression that Climate Change is only

facts collected during the reporting period. This chapter is Journalists also need to reconfirm and recheck the data and written by Mohan Mainali.

brothers and beating up "I really like swallowed my father my family to kill this this river mother, river by

sisters."



Journalism for Sustainability

NEFEJ is a pioneer among the non-governmental organizations promoting the environmental journalism in Nepal. It led its foundation stone on June 1, 1986, and since then it has been providing the forum to debate, study, influence public policy, and raising awareness for conservation and sustainable development.

Throughout its 25-year long journey, NEFEJ, along with its members and stakeholders, has continuously been working in the environment conservation, awareness generation, and sustainable development. There are several instances of achievement of success in these fields. It has played an important role in creating environment for formulation and amendment of the environmental laws and rights. Furthermore, it has also been successful in advocating for the proper management of solid waste generated in the capital.

NEFEJ has been carrying out its activities through its five major departments: Radio Sagarmatha, Community Radio Support Center (CRSC), Media Training Center (MTC), Audio-Visual and Publication Department

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