

Nepal Climate Change Knowledge Management Center

In Partnership with Ministry of Environment



FINAL REPORT

Sep-Dec 2010

Nepal Academy of Science and Technology Khumaltar, Lalitpur

CONTENTS

Background	1
Inauguration	3
Project Management	3
Project Team	4
Activities	4
Room Allocation and Facilities	4
Acquisition of Resource Materials	5
Visits and Contacts	6
Interaction with Young Climate Researchers	8
Climate Talk	8
Mobile Library	9
NCCKMC Visitors	15
Center Sustainability	16
Educational Material Production	16
Acknowledgements	7
Annexes	
List of Purchased Books	19
Media Coverage	23
Brochure	34
Certificate of Appreciation	36
Certificate of Participation	37
Bookmark	38

BACKGROUND

Climate change, mainly the global warming due to green house gases produced by industries and other human activities, has been a global concern today. No habitat under-water, nor any eco-tone in the mountain belts, is being spared by the effects of impeding global warming in recent decades. Glaciers are melting, plains inundating, and vegetation zones shifting, while the food scarcity is looming around- all at once and at alarming and unprecedented rate. Obviously, nations around the world are much alarmed seeking measures of adaptation and/or mitigations. For its fragile mountain ecosystem and widespread poverty, Nepal is among the most vulnerable countries to the climate change. Its institutional capacity to adapt this vulnerability is yet to strengthen.

Knowledge is *sin qua non* to cope up with the challenges posed by climatic factors. All around the globe, scientists, managers and policy makers are generating information. These, however, are inadequate and scattered that demands persistent efforts in building our knowledge system based on empirical data as well as indigenous wisdom and managing them for effective storage and dissemination. There also lacks coordination in between working institutes on climate change and issues related to this matter. Addressing this weaknesses and gaps to deliver required knowledge and information, establishment of a dedicated institute is, thus, not only relevant but an essential requirement.

Nepal Climate Change Knowledge Management Center (NCCKMC) has been established at the Nepal Academy of Science and Technology in partnership with the Government of Nepal-Ministry of Environment (GoN-MoE). The NCCKMC Project is a part of the expanded process of National Adaptation Program of Action (NAPA) for Climate Change in Nepal (2008-2010), which is being supported by DANIDA (Embassy of Denmark), Department for International Development (UK), Global Environment Facility (GEF) and United Nations Development Program Nepal (UNDP). On August 27, 2010, a Letter of Agreement was inked between NAST and GoN-MoE, which formally facilitated in launching the project.

The initial phase of the project (September- December 2010) providing NAST with a grant fund of US\$ 30,000 (NPR22,32,000.00) aimed at enhancing public access to climate change information through the establishment of climate change information center. The Center is to carry out the following long-term activities relating to the climate change and its impacts:

- Documentation, research, training and capacity development;
- Facilitate access to information;
- Provide policy and development planning advisory services;
- Formulate and implement strategies to sustain the Center; and
- Spearhead the establishment of regional centers.

Nepal Climate Change Knowledge Management Center

Mission

To serve as a dedicated institutional arrangement for managing climate change knowledge in Nepal.

Goal

To serve as a platform for coordinating and facilitating the regular generation, management, exchange and dissemination of climate-related knowledge and capacity building services to a multi-stakeholder climate change community of practice in Nepal.

Vision

To establish a strong and effective knowledge management centre which will ensure the production and dissemination of climate change knowledge information in the country, strengthen the capacity of various stakeholders by providing them with the required information to respond to challenges posed by climate change.

Objectives

- i. To enhance public access to climate change and related information in order to build their capacities to address the challenges posed by climate change.
- ii. To strengthen collaborative and inter-disciplinary climate change research in Nepal.
- iii. To facilitate interface between scientific research and policymaking, decisior making processes and development planning.

Services

- Conduct an inventory of available collection at the climate change resource centers.
- Coordinate with a network of climate change knowledge providers and users.
- Organize learning events that encourage knowledge sharing and awareness raising.
- Popularize and/or translate materials/ documents into local language.
- Develop tocal points for climate change.
- Providing clearing house service for climate change related research and dissemination.
- Build capacity of different institutions professionals through training/ workshop/ research grants/ fellowship visiting experts program etc.
- Regular update new research to address knowledge gap.
- Provide advisory services for policy and development planning
- Organize workshop, forums and other interaction program.
- Facilitate access to climate change related data and information on climate change.

INAUGURATION



On November 29, Prime Minister Mr Madhav Kumar Nepal inaugurated the Nepal Climate Change Knowledge Management Center (NCCKMC) amidst special gathering at Nepal Academy of Science and Technology. Marking the Center important base as advance the climate study and also to bring awareness on its impeding impacts to the livelihood and ecosystem as a whole, the Prime Minister who is also the Chancellor of the Academy, expressed his happiness for the initiation of the Center as a process of NAPA and thanked all

the supporting organizations, DANIDA, UK DFID, GEF and UNDP Nepal. On his remarks in the Visitor's Book, the Prime Minister has written (the inception of the Center as) *good beginning*, all the best.

Present during the inauguration were State Minister for Science and Technology Mr Indra Prasad Dhungel, Vice Chancellor of NAST Professor Dr Surendra Raj Kafle, NAST Secretary Professor Dr Prakash Chandra Adhikary, Academicians and Government Officials of Nepal. From NAPA team, Ms Anupa Lamichhane was present on the occasion.

PROJECT MANAGEMENT

For the smooth operation of the Project NCCKMC, NAST formed a Project Monitoring Committee at the coordination of its Vice Chancellor Professor Dr Surendra Raj Kafle. The committee included the Secretary of NAST Professor Dr Prakash Chandra Adhikary, Academician Dr Madan Lall Shrestha, Faculty Chief (Technology) Dr Chiranjivi Regmi and Division Chief (Planning) Mr Shekhar Shah as Members, and Faculty Chief (Science) Dr Dinesh Raj Bhuju as Member Secretary.

Likewise, a Joint Management Committee was formed by the Ministry of Environment and Nepal Academy of Science and Technology in order to oversee implementation, including fund disbursement and procurement. The composition of the management is as follows:

Chair : National Project Director of NAPA and Joint Secretary of MoE

Co-Chair : Chief, Faculty of Science, NAST

Members:

- Chief, Planning Division of NAST
- Representative, NAPA Project Team/MoE
- Representative, UNDP Nepal
- Representative, DFID Nepal Office

Project Team

To carry out the activities of the Project NCCKMC and look after the day-to-day affairs, NAST appointed its Science Faculty Chief Dr Dinesh Raj Bhuju as the Team Leader and Ms Ramila Shrestha Raut as its Deputy Team Leader. Dr Bhuju is an ecologist by training with a wide experience of scientific research including climate change and science popularization in Nepal. Ms Raut, Chief of the Promotion Division, is a senior official at NAST with master's degrees in science and also in library and information. Similarly, two experienced staff of the Academy, Mr Bhoj Raj Adhikary and Mr Pradeep Dhodari, were also appointed to look after the managerial and communication-networks of the Center respectively. These officials were to work on part-time basis.

NAST also appointed Academician Dr Madan Lall Shrestha as the Consulting Expert for the Project NCCKMC. A climate expert Dr Shrestha is former Director General of Department of Hydrology and Meteorology.

NCCKMC recruited three full-time staff, viz. two Assistant Researchers and one Office Assistant. The Center published a public notice of vacancies in a national daily on Sept 16, 2010 and the applicants were selected on the basis of their merit and interviews. A committee also including a NAPA representative took the interviews and recommended the candidates for appointment. The newly appointed staff started working from October 1, 2010. The appointed staffs were as follows:

TABLE 1. PROJECT STAFF AT NEPAL CLIMATE CHANGE

SN	Name	Qualification	Responsibility
1	Mr Ashok Thapa	MS in Library and	Assistant Researcher
		Information Science	Library and Information
2	Ms Manju Sapkota	MSc in Environmental	Assistant Researcher
	Shrestha	Science	Environment and Climate
			Change
3	Mr Umesh Adhikary	+2 (Management)	Office Assistant

PROJECT ACTIVITIES

Room Allocation & Facilities

For the NCCKMC, the NAST provided with a room (area:149.35 sqm) in its newly built research laboratory at its premises in Khumaltar, Lalitpur, which is easily accessible by public transport at Saat-Dobato cross-road in ring-road. Situated in the south-west corner in the

ground floor of the building, the Center is quiet with enough day-light and easy to get to the visitors. Ms Anu Shrestha, an interior designer affiliated with a reputed company, was consulted for lay-out design of the room. Keeping view the available budget, a medium size with 20-person capacity was selected. Following furniture and amenities were procured from a local supplier for the room.

TABLE 2. FURNISHINGS AT NCCKMC

SN	ITEM	SET/NUMBER
1	Books racks	Seven
2	Sofa	One Set (5-seats)
3	Reading Tables	Three
4	Working Tables	Two
5	Tea Table	One
6	Meeting Table	One
7	Chairs	19
8	Curtains (Vertical Blank)	Four Windows
9	Carpet (Floor)	Main Entrance
10	Plants & Metal Vase	15

Beside the above mentioned items, most required office machineries were also procured. They were: i) Photo Copy Machine (one), ii) Desk-top Computers (six, for official use and visitors), and Printer (one). Similarly, two maps (Nepal and World), and globe (one) were also bought for display in the Center.

Acquisition of Resource Materials

During the period (Sep-Dec, 2010), over 1,200 tiles of book and booklets, reports, thesis etc. were collected. Many of the collections were received complimentary from research organizations such as Intergovernmental Panel for Climate Change (IPCC), International Center for Integrated Mountain Development (ICIMOD), Institute for Social and Environment in Transition- Nepal (ISEWT-N), World Wildlife Fund Nepal, and Small Earth Nepal. The Center also received books and reports from individual experts. The



Ideal Model School provided a show-piece of South Asia for display in the Center. Over 125 books in digital form were also collected and made available for the users by the Center.

TABLE 3. COLLECTION OF RESOURCE MATERIALS AT NCCKMC

SN	CATEGORY	NUMBER
1	Books	700
2	Booklets	75
3	Thesis/Dissertation	35
4	Reports	25
5	Journals	40
6	Brochures	35
7	Periodicals	20
8	Calendars	12
9	Maps	9
10	CDs	60
11	Others	159

For publicity, the Center has produced an introductory brochure, both in English and Nepali. It prepared book-marks containing the address of the Center on one side and essential information on climate change on the other side.

NCCKMC started providing its services to the users from the beginning of November, 2010.

Visits and Contacts

During the period, the project staff visited various organizations in Kathmandu to develop rapport and also to collect essential materials on climate change issues. NCCKMC sent letters to various organizations in Nepal and abroad informing about the establishment of the Center and requesting to provide with climate related publications and other materials.

TABLE 4. MAJOR INSTITUTIONS VISITED BY NCCKMC STAFF

SN	Institution	Date	Remarks
1.	International Center for Integrated Mountain Development (ICIMOD)	Oct	 Discussion on collaboration and keeping in mailing list for exchange of publications 36 items of related literature are received with 2 CDS General introduction about INVENIO (a open source software of Library Management)
2.	Center for Constitutional Dialogue (CCD)	Oct	Discussion on lay-out and services of resource centersSome brochures were collected
3.	WWF Nepal Program	Oct	 Collection of the recent issues publication and documents.
4.	Institute for Social and Environment in Transition-Nepal (ISET-N)	Oct	Books acquiredCollection of the recent issues publication and documents

5.	Book Distributors 1> Mandala 2> Ratna 3> Bhrikuti 4> Ekata	Oct	Collection of climate change related books25 books were purchased
6	Central Departments of Tribhuvan University (Botany, Environmental Sc, Hydrology & Met, Geography, Geology, Library & Information Sc) at Kirtipur	Nov	 Information delivery and rapport for cooperation
7	Small Earth Nepal	Nov	 Collection of climate change related materials
8	Dept of Hydrology & Meteorology	Nov	 Collection of climate change related information
9	College for Applied Sciences	Nov	 Information delivery and rapport for cooperation

TABLE 5. LIST OF CORRESPONDENT INSTITUTES

		ESPONDENT INSTITUTES
SN	ORGANIZATION	CONTACT ADDRESS
1	Overseas Development Institute (ODI) London	Lindsey Jones Research Officer - Climate Change Adaptation and Water Policy Climate Change, Environment and Forestry Programme/ Water Policy Programme 111 Westminster Bridge Road London SE1 7JD; UK Tel: +44 (0) 20 7922 8226 Mobile: +44 (0)7776089746 Email: I.jones@odi.org.uk Web: www.odi.org.uk
2	International Institute for Environment and Development (London)	Jessica Ayers jess.ayers@gmail.com;Jessica.ayers@iied.org
3	Asian Development Bank	Mr. Barry J. Hitchcock Country Director Asian Development Bank Kathmandu, Nepal
4	UNDP Asia-Pacific Regional Centre 3rd Floor, UN Service Building Rajdamnern Nok Avenue, Bangkok, Thailand Tel.: +66 (0) 2288 2644 Fax: +66 (0) 2288 3032 URL: http://asia-pacific.undp.org	Gernot Laganda Regional Technical Advisor Climate Change Adaptation
5	World Resources Institute Washington DC	Aarjan Dixit Research Analyst Email: adixit@wri.org +1 (202) 729-7878
6	Office of the Regional Director & Representative UNEP/ROAP, UN Building, 2nd Floor Block A Rajdamnern Avenue, Bangkok 10200, Thailand Telephone: +662-2816101 (DL), +662- 2881893 (w/ voicemail) Fax: +662-2803829 or +662-2881057	Young-Woo Park Regional Director & Representative for Asia and the Pacific

7 Stockholm Environmental Institute
Deputy Director and Asia Centre Director
15th Floor, Witthyakit Building
Chulalongkorn University
254 Chulalongkorn Soil 64
Phyathai Road Pathumwan
Bangkok 10330, THAILAND

Dr. Li Lailai Email: lailai.li@sei.se

Copy Dr. Sabita Thapa sabita.thapa@sei.se

8 Intergovernmental Panel for Climate Change

9 Global Change Impact Studies Centre (GCISC) National Centre for Physics (NCP) Complex

Quaid-i-Azam University Campus Islamabad, Pakistan

Tel: 92-51-2077458 Fax: 92-51-2077385 Mr Muhammad Munir Sheikh Head, Climatology Section Global Change Impact Studies Centre (GCISC)

E-mail: munir.sheikh@gcisc.org.pk, mmunirsheikh@yahoo.com

Interacted with Young Climate Researchers



On 18 November, NCCKMC conducted an interaction program with the young climate researchers at the seminar hall of NAST Research Lab. The objective of this was to asquint the young climate researchers with the facilities of NCCKMC and seek their perspectives on climate change and its impacts on various aspects. At the outset, Dr Dinesh Raj Bhuju gave a brief introduction of the Center and its purposes. There were over 35 participants representing the countries in South Asia. The young researchers actively interacted

on the topic of materials collection and knowledge dissemination from the center to the worldwide users. A participant from Bangladesh handed over his publication on climate change for the use in the Center.

Climate Talk

On 19 November, a special talk program was organized by NCCKMC. Professor Dr. Rafiqul Islam, a guest speaker from of Bangladesh made a presentation on *Prospects of Collaborative Research on Energy and Environment in the Context of Climate Change with South Asia and Europe*. The theme of the presentation was that the people should recycle the carbon dioxide rather than the sequestration of carbon. He said, intensive research was ongoing on the deposition of carbon; however, still waiting for the results. About 25 persons including scientists, researchers of NAST and University students participated in the talk.

Mobile Library

Nepal Climate Knowledge Change (NCCKMC) Management Center spearheaded a three-week long Mobile Library for Climate Change Awareness (MLCCA) covering 25 districts out of 75 in country. The campaign inaugurated by the Vice Chancellor of Professor Dr Surendra Raj Kafle amidst a special function at Amar Singh Higher Secondary School in Pokhara on Dec 17, 2010. The first of its kind in Nepal, the campaign hired a bus and travelled over 3,500 km of mountainous roads in Nepal and reached the climate message from Kanchanpur to Kakadbhitta, the western borders and eastern of Nepal respoectively. During its campaign, the ML team organized programs in 25 districts, viz. Kaski (Pokhara), Shyangja (Waling), Palpa (Burtung), Rupandehi (Butwal), Dang (Lamahi), Banke (Kohalpur), Kanchanpur (Mahendra (Silgadhi), Nagar), Doti Dadeldhura (Amargadhi), Kailali (Dhangadhi), Bardiya (Katarnia), Kapilvastu (Chanauta), Nawalparasi (Rambapur), Chitwan (Bharatpur), Makawanpur (Hetauda), Bara (Pathlaiya), Rauthat (Chapur), Morang (Biratnagar), Jhapa (Kakadbhitta), Sunsari (Haripur), Saptari (Bhardah), Siraha (Lahan), Dhanusha (Dhalkewar), Mahottari (Bardibas), and Sarlahi (Lalbandi).

In the program, over 60 schools and local clubs/libraries got actively involved and direct beneficiaries were over 12,000 people, mainly the school children and the teachers. In Pathlaiya Rauthat, the ML team organized the program among a special group of deaf students, while in Haripur Sunsari, the participating students included flood victim children.













The mobile library programs were organized at the premises of public schools and coordinated by local schools, mostly the school principals. Such schools were informed in advance and requested for coordination by NCCKMC. The coordinating schools would inform their teachers and students and arrange program. They would also inform nearby schools to send their students in quiz contest where required.

The campaign contained three major programs, viz. (i) exhibition of selfexplanatory posters on climate change and landscape photographs, (ii) school level climate quiz, and (iii) climate talk and interaction with the students. teachers and general public. Organizations such as ICIMOD, Small Earth Nepal (SEN) and WWF Nepal have provided with books, booklets and posters for display and also The distribution. landscape photographs of Changing Himalaya, produced by ICIMOD, have catching eyes of many visitors. The MLCCA also organized climate quiz in at five major spots, where nearby high schools actively took part in the completion. The winner schools were given prizes of materials educational such microscope, models of human systems, and the winner students were given stationary such as copies, instrument box, maps and pencils.

The target group of the programs was mainly the high school students, who could bring multiplier effects in disseminating the information. Besides explaining them about climate change with the help of posters and photographs, the team members organized climate talk and interaction

with the students. In many instances, teachers and media people were also found taking keen interest and participating actively in the program. Where available, the team also organized





Climate talk & interaction

TABLE 6. PROGRAMS ORGANIZED BY MOBILE LIBRARY OF NCCKMC

DATE	DISTRICT PLACE	VENUE & CONTACT	DIRECT BENEFICIRIES	REMARKS
16 th Dec	Departure from Kathmandu			Dr Dinesh Bhuju, Mr Bhojraj Adhikary, Mr Mahendra Kapali, Mr Ashok Thapa, Mr Narayan Gaire, Mr Umesh Adhikary Mr Omni K Acharya, Mr Om Baral Driver Mr Ajay Lama Helper Mr Vijay
17 th Dec	Kaski Pokhara	Amar Singh Higher Secondary School Chairman Mr Biswo Prakash Lamichhane Principal Mr NR Poudel Science In-charge: Dr Eliyama Jones	400	Inauguration amidst a special gathering by NAST VC Prof. Dr SR Kafle
18 th Dec	Shyanjya Waling	Conference Hall of FNCCI and Waling Bazaar Principal Mr Dhruva Sharma	150	Radio Discussion: Radio Annapurna Information distributed to the participants of IT Workshop; Flexes
	Palpa Bartun	Tea Shop Chairman of School Management Committee Janpriya Secondary School	25	displayed on bus in bazaar Interaction with visiting graduate students and local people at tea shop
19 th Dec	Rupandehi Butwal	Kalika Higher Secondary School Principal Mr Ghana Shyam Pathak	600	Program organized coinciding Golden Jubilee of Kalika HS School 7 schools in quiz contest Radio Discussion: Radio Namaste, Radio Janjagaran TV Show: Buddha TV, Lumbini TV
20 th Dec	Dang Lamahi	Adarsha Higher Secondary School Principal Mr Shashidahr Gyawali	400	Students of Grades 8,9,10 are participated

21 st Dec	Banke	Gyanodaya Public Library		Specially children are oriented
21 500	Kohalpur	Librarian Ms Tulasi Devi Dhakal	150	opeoiding official and official
22th Dec	Kanchanpur Mahendra Nagar	Mahendra Nagar Higher Secondary School Principal Mr Shiva Dutta Joshi	850	Students of Mahendra Nagar HSS and Radiant HSS students participated
		Prof. TK Bhatta		Live commentary by Mahakali FM TV coverage by New 24
23th Dec	Doti Silgadhi	Padma Public Mukti Narayan Higher Secondary School Chairman Mr Siddha Nath Joshi	500	Climate Talk to Grade IX students Climate Quiz: 6 schools Chief Guest CDO Mr BP Parajuli
24 th Dec	Dadeldura Amargadi	Mahendra Adarsha Namuna Higher Secondary School	350	Climate Talk and Orientation to students, teachers and media;
		Principal Mr Gajendra Joshi		Radio Discussion: Radio Sudur Awaj, Radio Amargadhi
25 th Dec	Kailali Dhangadhi	Sharada Higher Secondary School Principal Ms Bimala Pant	650	Climate Talk to students, teachers; exhibition
				Radio Discussion: Kantipur FM
	Bardiya Katarniya	Drama Bhakta High School Principal Mr Nain Singh Tharu	650	Climate Talk to students, teachers; exhibition
27 th Dec	Kapil Bastu Chanauta	Shree Rastiya Higher Secondary School Asst. Principal Mr Narayan Belbase	700	Students queued to observe the displays and exhibition
27 th Dec	Nawal Parasi Rambapur	Rambapur Higher Secondary School Principal Mr Rama Kant Upadhya	500	
28 th Dec	Chitwan Bharatpur	Shree Chitwan Higher Secondary School Principal Ms Rampyari Pradhan Sharma	500	Exhibition, Climate Talk Quiz 8 schools; Volunteers of SEN Ms Sangita Maharjan and Mr Jeeban Panthi joined the program; Ms Ramila Raut, Ms Manju Sapkota and Mr Sudip Pandey join the team; Mr NP Gaire, Mr M Kapali and Mr A Thapa return Kathmandu
29 th Dec	Makawanpur Hetauda	Shree Sramik Higher Secondary School Principal Mr RP Sah	350	Exhibition and orientation organized for special group of deaf students and explained with the help of
	Bara Pathlaiya	Shree Nepal Rastriya Community Secondary School Mr Surendra P Chaursia	175	interpreters
	Rauthat Chapur	Shree Janjyoti HS School Principal Mr Y P Yadav	700	
		Shree Deaf School Interpreters Ms Sita Khatiwada and Ms Renu Kumari	32	

30 th Dec		Arrived in Biratnagar		Stayed at MM Polytechnic School
31 st Dec	Morang Biratnagar	Shree Adarsha HS School Principal Mr Rama Nath Bhattarai	900	NAST Secretary Prof. Dr PC Adhikary participated the program; Chief Guest: Regional Education Director Mr Hira Prasad Dhakal Mr Quiz contest: 9 schools
1 st Jan	Jhapa Kakarbhitta	Kakarbhitta Club Chairman Mr Balibir Rai	70	
2 nd Jan	Sunsari Haripur	Shree Koshi Janata Secondary School Principal Mr Trilochan Yadav	700	School included Koshi flood victim children at Haripur
	Saptari Bhardah	BP Smarak Secondary School Principal Mr Prakash Gupta	800	
	Siraha Lahan	Shree Laxman Lalita Kushwaha HS School Principal Mr Shiv Shanker Mahato; Math Teacher Mr Upendra Mahato	90	
3 rd Jan	Dhanusha Dhalkewar	Shree Mahendra HS School Principal Ram Dayal Mahato	300	Curfew in Sarlahi; Technical problem in bus; Reached Hetauda late night
	Mahottari Bardibas	Nawa Chitij HS School Principal Mr Mohan Khatri Chhetri	700	
	Sarlahi Lalbandi	Shree Janjyoti HS School Principal Mr Umesh Lal Das	500	
4th Jan		Departure from Hetauda Arrived Kathmandu		
5 th Jan		Welcome Program at NAST		
	Total Districts: 25 (out of 75 in Nepal)	Total participating schools, libraries and local clubs (direct beneficiaries): 60	11742	Traveled about 3,500 Km from western border Kanchanpur to eastern border Kakarbhitta

discussion over radio (FM) and television stations. Local reporters of print media were found reporting the event with priority, many of them have brought out the stories as well.

On their return, the staff organization of NAST organized a welcome program in appreciation of the service furnished by the Mobile Library.

TABLE 7. CLIMATE QUIZ CONDUCTED BY MOBILE LIBRARY

DATE	DISTRICT VENUE	Coordinating School	PARTICIPA- TING SCHOOL	REMARKS
17 th Dec	Kaski Pokhara	Amar Singh Higher Secondary School	8	Winner: Amar Singh HS School (Group A) Runner: Amar Singh HS School (Group B) Runner up: Shree Chandi Sec School
19 th Dec	Rupandehi Butwal	Kalika Higher Secondary School	8	Winner: Sidhartha Boarding School Runner: Deep HS School Runner up: Butwal Sec School
23th Dec	Doti Silgadhi	Padma Public MN Higher Secondary School	6	Winner: Maglek HS School Runner: Delpeshower HS School Runner up: Padma Public HS School
28 th	Chitwan	Shree Chitwan Higher Secondary School	7	Winner: Laxmi Ma.Vi Runner: Balkumari HS School Runner up: Naya Kiran HS School
31Dec,20 10	Biratnagar	Shree Adarsha HS School	9	Winner: Pokhariya H.S.S. Runner: Satya Narayan H.S.S. Runner up: Radha Krishna S.S.

TABLE 8. INTERACTION/DISCUSSION WITH RADIO & TV

DATE	DISTRICT	MEDIA	ANCHOR/PROGRAM	PARTICIPANT
17 th Dec	Kaski	Radio Barahi FM	Mr Ramesh Pant	Dr DR Bhuju
	Pokhara		Harit Sansar	
		Gandaki TV		Dr DR Bhuju
				Mr Krishna Lamsal
18 th Dec	Kaski	Annapurana FM	Mr Dipendra Shrestha	Dr DR Bhuju
	Pokhara		Bihani Chintan	Mr Krishna Lamsal
19 th Dec	Rupandehi	Radio Namaste	Mr Mukti Gaire	Dr DR Bhuju
	Butwal		Samaya Shandarv	Mr GS Pathak
		Radio Jagaran	Mr Binod Pariyar	
			Bishesh Prasanga	Dr DR Bhuju
		Lumbini TV		
		Buddha TV	Mr Khem	
21 st Dec	Bhaktapur	Bhaktapur FM	Ms Jasmine Diwakar	Dr DR Bhuju
22 nd Dec	Kanchanpur	Mahakali FM		
	Mahendra	News 24		
	Nagar			
24 th Dec	Dadeldura	Radio Sudur Awaj	Mr Ram Dhami	Dr DR Bhuju
	Amargadi		Sarokar	
		Radio Amargadi	Mr Keshav and Ms	
			Gauri Nepali <i>News</i>	
- th -			Express	
26 th Dec		Kantipur FM	Mr Chitranga Thapa	Dr DR Bhuju
		Kanchanpur Diary		

NCCKMC Visitors

During the project period,67 readers visited the Center.

TABLE 9. INTERACTION/DISCUSSION WITH RADIO & TV

SN	Date	Name	Address
1	18 th Nov 2010	Abhimanyu Magrati	Nepal
2	11	Khashing Chandra Rai	Nepal
3	11	Subhasis Mohnaty	India
4	11	Subash Duwadi	Nepal
5	11	Salik Ram Neupane	Nepal
6	11	Sameera Zaib	Pakistan
7	11	Kareff Rafisura	Nepal
8	11	Ramesh Gautam	Nepal
9	11	Rajan Subedi	Nepal
10	11	Jadhav Ramanand	India
11	11	Nisha Shakya	Nepal
12	11	Tahera Akter	Pakistan
13	11	Samia Shamim	Bangladesh
14	11	Kanchan Ojha	Nepal
15	11	Achyut Parajuli	Nepal
16	11	Govinda Lamichhane	Nepal
17	11	Mohan Chand	Nepal
18	11	Dilli Ram Bhattarai	Nepal
19	11	Nisha Amatya	Nepal (SEN)
20	11	Sudarshan Rajbhandari	Nepal (SEN)
21	11	Faisal Akbar	Bangladesh
22	11	Shamimul Islam	Bangladesh
23	11	Arun Prasad Bhattarai	Nepal (SEN)
24	11	Sachin Pant	Nepal
25	11	Krish D Hengaju	Nepal
26	11	Pranav Pokharel	Nepal
27	11	Mithun Bista	Nepal
28	11	Achala Gupta	India
29	11	Simmi Rana	India
30	11	Gopal Khanal	Nepal
31	11	Nurul Kabir	Bangladesh
32	11 at	Mohammad Abdur Rahim	Bangladesh
33	21 st Nov 2010	Mohammad Anifur Rahman	Bangladesh
34	11	Md. Masum billah	Bangladesh
35	11	Madan K. Suwal	Nepal
36	11	Narayan D Gaire	Nepal
37	11 (th D 0010	Avash Poudel	Nepal
38	6 th Dec 2010	Mitsushi Kanlide	Japan
39	iii	Dr Jagadish C Baral	Nepal
40	29 th Nov 2010	Madhav K Nepal (Prime Minister)	Nepal

41	11	Indra P Dhungel (Minister)	Nepal
42	11	Anupa Lamichhane	Nepal
43	11	Prof Dr Ram Man Shrestha	Nepal
44	11	Prof Dr Mangala Devi Manandhar	Nepal
44	11	Prof Dr Ganga Shrestha	Nepal
45	11	Prof Dr Jib Raj Pokharel	Nepal
46	2 nd Dec 2010	Mohan Singh Lama	Nepal
47	3 rd Dec 2010	Dr Dibya S. Malla	Nepal
48	11	Madan Gautam	Nepal
49	10 th Dec 2010	Dr Mark Watson	UK
50	11	Dr Colin Pendry	UK
51	11	Dr. Anil K Anal	Thailand
52	14 th Dec 2010	Prof Stephen Blackmore	UK
53	11	Prof Hideaki Ohba	Japan
54	15 th Dec 2010	Steve Adkins	Australia
55	11	Dr Udo Schichbojj	German
56	11	Dr Kalidas Shethi	Massachussetts
57	20 th Dec 2010	Bikram Dhimal	Nepal
58	22 nd Dec 2010	Imelda Abanquez	
59	26 th Dec 2010	Pratibha Duwal	Nepal
60	3 rd Jan 2011	Snehalata Sainjoo	
61	11	Pradip Shrestha	Nepal
62	4 th Jan 2011	Prof Madan Koirala	Nepal
63	6 th Jan 2011	Dr Linda Smita	
64	9 th Jan 2011	Achut Parajuli	Nepal
65	11	Giri Raj Khatri	Nepal
66	10 th Jan 2011	Anish Sharma	Nepal
67	11 th Jan 2011	Rajiv Ghimire	Nepal

Center Sustainability

NCCKMC with the support of NAPA at MoE, developed two project proposals and submitted. The first proposal was prepared for Elsevier Grant and a program proposal amounting US\$ 50,000 (for one year activities) has been submitted. The second proposal entitled Support to Strengthening the Nepal Climate Change Knowledge Management Center Project has been submitted to Climate and Development Knowledge Network (CDKN) based in Pakistan. It amounts US\$ 100,000 for one year program, activities. Both the proposals are under screening at present.

Educational Material Production

Introductory Brochure. NCCKMC has produced its introductory brochure both in English (2,000) and Nepali (10,000). The Nepali version of the introduction was distributed mainly during the mobile library campaign. Similarly, Book Marks were developed and produced (5,000 copies). It contains short introduction of NCCKMC on one side in English with photograph and on the other side information on climate change with basic data in Nepali

language. An article on the climate change and knowledge management in Nepali has been prepared, while a public note (*Jankari Patra*) containing important information and data for general public is in progress.

Climate Quiz. NCCKMC team has prepared a set of over 100 question answers for quiz contest. The materials are mainly based on climate change science and related information.

Flex and Photographs. A total of 23 flexes have been prepared and printed for display. These contains information on climate change, its causes and possible impacts. The information is based on college level books and are in English, which the team is planning to translate in Nepali. ICIMOD has provided with a complimentary set of 13 large photographs showing landscape change in time series in the Himalaya.

MS Thesis

NCCKMC has awarded a thesis grant to Mr Bijay Kumar Pokharel, who will be preparing an MS thesis on the Bibliographic Review of Media Coverage on Climate Change from 2001 to 2010. Mr. Pokharel is an MS student at the Central Department of Library and Information Science, Tribhuvan University, Kirtipur. The thesis will include six major broad-sheet newspapers of Nepal, viz. the Gorkhapatra, the Kantipur, the Nepal Samacharpatra, the Rising Nepal, the Kathmandu Post, and the Himalayan Times.

ACKNOWLEDGEMENTS

The project of Nepal Climate Change Knowledge Management Center has been launched by Nepal Academy of Science and Technology (NAST) with the assistance of Ministry of Environment, Government of Nepal as a part of National Adaptation Program of Action for Climate Change. The program is supported by Embassy of Denmark (DANIDA), Department for International Development (UK DFID), Global Environment Facilities (GEF) and United Nations Dvelopment Program (UNDP) Nepal. The NCCKMC/NAST thanks to all the institutions and individuals who have generously supported and provided with materials to the Center. The Center is thankful to all those schools and local communities who cooperated in organizing Nepal's first Mobile Library for Climate Change Awareness.

Nepal Climate Change Knowledge Management Center

Nepal Academy of Science and Technology In partnership with Ministry of Environment

FINANCIAL REPORT

ITEM	EXPENSES (NPR)	COMMITTED (NPR)
Furniture (chairs, tables, shelves, racks) &	410,382.00	
Minor Refurbishment		360,000.00
Collection (book, report) Purchase and Acquisition	209,334.73	# ## #### #
		140,000.00
Journal Subscription	9	175,000.00
Preparation of Metadata and Digitization of	117,500.00	
Catalogue		35,000.00
Computers	228,547.00	
Photocopier	130,000.00	
Printer	49,720.00	
Supplies	55,094.00	110,000.00
Logistics and Transportation	145,200.00	·
Publicity & Outreach with Knowledge	25,350.00	
Providers & Users		
Learning Events and Meetings	261,033.50	
Total	1,632,161.23	820,000.00

Dr Dinesh R Bhuju Project Coordinator

Yubaraj Pandey Accountant Prof. Dr Prakash C Adhikari

Secretary

Balmurti Pandit Senior Account Officer

Annex I

Purchased book on NCCKMC

Ac. No.	Title	Author	Publisher	Date of Pub.	Price
1	Global Climate & Sustainable Development	Dr. Sujata K. Dass	Isha Books, Delhi	2004 AD	Rs. 2560
2	Weather & Climate Modeling	Ed.S.V. Singh Swati Basu T.N. Krishnamurti	New age international P. Ltd. Delhi	2003 AD	Rs.1450
3	Principles of Pale climatology	Thomas M. Cronin	Columbia University Press New York	1893 AD	Rs.3400
4	Flexibility in Climate Policy	Tim Jackson, Katie begg, Stuart parkisson	Earthscan Publication Ltd. london	2001 AD	Rs.1272
5	Elemental Geo system	Robert W. Christopherson	Prentice Hall Englewood cliffs, New Jersy	1995 AD	Rs. 4500
6	Atmosphere, Weather and climate	Roger G. Barry, Richard J. Chorley	Routledge, London	1968 AD	Rs 5700
7	Global Challenge	Alistair McNaught, Michael Witherick	Longman	2001 AD	Rs. 2550
8	Global Warming	Douglas Long	Viva Books P. Ltd.	2005 AD	Rs.632
9	Introducing Global Issue	Michael T. Sanrr, D.Neil Snarr	Viva Books P. Ltd.	2007 AD	Rs.1592
10	Climatology and Oceanography	D.S. Lal	Sarda pustak Bhawan, Allahabad	2010 AD	Rs.480.00
11	Global Warming (there is still time to act)	Alok Bhattacharya	Rupa Co.	2008 AD	Rs.568
12	Fixing Climate (the Story of climate science)	Robert Kunzig & Wallace Broecker	Green profile	2009 AD	Rs.568
13	Surviving the Century(Facing climate chaos & other global challenges)	Herbert Girardet	Earthscan	2008 AD	Rs.1288

14	Environment and Climate	Prof.(Dr.) Sawalia Bihari	Pentagon press,	2009 AD	Rs.1761.20
	Change,	Verma	Delhi		
		DR. Anand Bhusan Sharan			
		Dr. Sunil K. Verma			
15	Global Climate	A.N. Sakar	Pentagon Earth	2010 AD	Rs.1700.00
	Change:Beyond Copenhagen				
16	Global Crises, Global Solutions	Bjorn Lomborg	The Press Syndicate of the University of Cambridge, US	2004 AD	Rs.2528.75
17	Global Environmental	James Gustave Speth	Island Press	2007 AD	Rs
	Goverance	Peter M. Haas			\.306.00
18	Global warming and Climate Change(International Legal process)	T.K. Dhawan	Mohini Publishers and Distributers	2010 AD	Rs.945.20
19	Global Warming: Looking Beyond Kyoto	Earnesto Zedillo	Pentagon Press, U	2009 AD	1081.20
20	Global Warming and Environment	Vishwa jit Gupta	S.S PublishersDelhi	2006 AD	Rs.884.00
21	Global Warming and Environmental laws	H.V. Jadhav Dr. S.H. Purohit	Himalaya Publish House	2007 AD	Rs.510.00
22	Green Globe Yearbook	Helge Ole Bergesen	The Fridjof Nansen Institute	1994 AD	Rs.1217.20
		Georg parmann	Nansen Institute		
23	The Global Environment (Institution, Law and	Norman J. Vig	Earthscan Publication ltd.	1999 AD	Rs.539.75
	Policy)	Regina S. Axelrod	T donounon nu.		
24	General Climatology(Fourth Edition)	Howard J. Critchfield	PHI Learning pvt.	2009 AD	Rs.312.00
25	Climatology	D.S. Lal	Sarda Pustak Bhawan	2010 AD	Rs.384.00
			Allahabad		
26	Vegitation, Water, Humans and the Climate	Ed.Pavel Kabat, Martin Claussen & at. Al. (10)	Springer	2004	169.95 (Euro)

27	Renewable Energy & Climate Change	Volker Quaschning	WILEY & IEEE	2010	\$ 95
28	A Compendium on Environment Statistics 1998 Nepal	His Majesty's Government National Planning Commission Secretariat CBS, Ktm.	His Majesty's Government National Planning Commission Secretariat CBS, Ktm.	1998	Rs. 300
29	Climate Change Mitigation and European Land-use Policies.	Ed. W. Neil Adger Davide Pettenella and Martin Whitby	Center for Agriculture and Biosciences International	1997	Pd75.00
30	Distributional Impacts of Climate Change and Disasters(concepts and Cases)	Ed. Matthias Ruth and maria E. Ibararan	Edward Elgar Publishing Limited	2009	Pd59.95
31	Global Biochemical Cycles in the Climate System	Ed. Ernst- Detlef Schulze Martin Heimann	Academic Press	2001	\$137.00
32	Anthropogenic Climate change	Ed Hans von Storch And Gotz Floser	Springer-Verlag Berlin Heidelberg	1999	Euro139.95
33	Climate Variation, Climate Change, and Water Resources Engineering	Ed jurgen D. Garbercht, ph.D. Thomas C. Piechota, Ph.D.,P.E.	American Society of Civil Engineering	2006	\$67.00
34	Global Warming and Climate Change(Past, Present and Future)	Dr. S.K Agrawal	S.B Nangia APH Publishing Corporation, Delhi	2010	Rs895.00
35	Flexible Mechanisms for an Efficient climate Policy(Cost saving Policies and Business Opportunities)	Karl Ludwig Brockmann . Marcus Stronzik (Eds.)	Center for European Economic Research (ZEW) Mannheim, Germany	2000	Euro44.95
36	Global Warming and Global Cooling Evolution of Climate on Earth	O.G. Sorokhtin, G.V. Chilingar and L.F. Khilyuk	ELSEVIER	2007	\$181.00

37	Carbon Sinks and Climate Change(Forest in the Fight Against Global Warming)	Colin A.G. Hunt	Edward Elgar Publishing Limited	2009	Pd59.95
			UK		
38	Man-Made Climate Change(Economic aspects and policy options)	O. Hohmeyer . K. Rennings(Eds.)	Center for European Economic Research	1997	Euro82.95
39	Fundamental of weather and Climate	Robin McIlveen	Oxford University Press	2010	Pd34.99
40	Climate Change in Contrasting River Basins(Adaption Strategies for Water, Food and Environment)	Ed. J.C.J.H.Aerts and P.Droogers	CABI Publishing UK	2004	Pd59.00
41	Adapting Building and Cities for Climate Change(A 21 st Century Survival Guide)	2 nd Ed Sue Roaf David Crichton and Fergus Nicol	ELSEVIER and Architectural press	2005 1 st 20092 nd	\$57.95
42	Global Climate Change and pedogenic Carbonates	Ed. Rattan Lal John M. Kimble H. Eswaran B.A. Stewart	LEWIS Publisher UK	2000	Pd50.99
43	Changing Climate, Changing Economy	Ed. Jean-Philippe Touffut	Edward Elgar Publishing Limited UK	2009	Pd19.95

Annex II

Media Coverage

THE HIMALAYAN TIMES, THURSDAY, DECEMBER 2, 2010

Global treaty on climate change under thick cloud

• Japan refuses to help extend Kyoto Protocol accord beyond 2012 • LDCs to be the worst hit

Cancun, December 1

Japan has said it won't help ex-tend the Kyoto Protocol accord tend the Kyoto Protocol accord to curb greenhouse-gas emis-sions after it expires in 2012, saying instead that a new glob-al agreement is necessary to combat climate change. The Kyoto treaty is "outdat-ed" because it only regulates 27 per cent of global emis-

sions, Kuni Shimada, special adviser to Japanese Environ-ment Minister Ryu Matsumo-to, said yesterday in an inter-view at United Nations climate talks in Cancun, Mexico.

talks in Cancun, Mexico.
The Kyoto Protocol was the outcome of the global meeting on climate change in Japan in 1997. It binds 37 developed nations and the European com-munity to cut emissions from 1990 levels by a collective 5.2

per cent through 2012.

per cent through 2012.

Japan is against placing its emission reduction target under the protocol.

Japan's move will please the USA, which has not ratified the Kyoto protocol and has been against extending it. Developing countries like In-dia and China are not included

in the treaty.

Efforts are underway to Efforts are underway to legal and environment adviser forge consensus among 192 ,The Third World Network, told

countries to extend the proto-col with stiffer targets to lower

the greenhouse-gas emissions.
The civil society, NGOs and
government delegates have
condemned Japan's move. "We
are shocked to hear such things from Japan, whose baby Kyoto Protocol is. This has put the climate change treaty un-der a thick cloud," Lim Li Lin,

The Himalayan Times.
The developed nations want to bring rapidly growing economies like India and China under the treaty's ambit and have been demanding that they should come up with clear targets to reduce green-

house-gas emissions. Lin of TWN alleged that Japan and USA had teamed up to derail the Kyoto protocol. The least developed countries and African group have sought an extension to the treaty, so has the European

Union.
"It is unlikely that something will happen instantly. Appabently, the world will be without a global treaty for a long time, "said Batu Krishna Uprety, key negotiator from Nepal, which is a member of the Least Developed Countries group that comprises 49 nations.

राजधान

राजधानी समाचारदाता काठमाडौं, २१ मंसिर

नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नास्ट)मा जलवायु परिवर्तन सूचना व्यवस्थापन केन्द्र स्थापना गरिएको छ।

जलवाय परिवर्तनको विषयमा जानकारी उपलब्ध गराउने उद्देश्यले सो केन्द्र स्थापना गरिएको हो ।

नास्टले जलवाय परिवर्तनको प्रभावको जानकारी दिन र यसलाई सार्वजनिक चासोको विषय बनाउन केन्द्र स्थापना गरिएको केन्द्रका प्रमुख डा. दिनेश भुजूले बताए।

जलवायु परिवर्तनका कारण हिमाली क्षेत्रमा तापक्रम वृद्धि हुँदा हिमालहरू पग्लिँदै गएको, हिमतालहरू फ्ट्ने अवस्थामा प्रोको, पानीका महान सक्दै गएको र उत्पादित बालीनालीमा पनि प्रभाव परेको बताइन्छ ।

डानिडा, डीएफआईडी, जीईएफ, तथा यूएनडीपीको सहयोगमा स्थापित यस केन्द्रलाई पहिलो चरणमा तीन महिनाका लागि ३० हजार अमेरिकी डलर (करिव २२ लाख रुपैयाँ) बजेट छुट्टचाइएको छ ।

जलवायु परिवर्तनका बारेमा बृहत्तर जानकारी दिन स्थापना गरिएको केन्द्रले पहिलो चरणमा २० जिल्लामा घुम्ती पुस्तकालय सञ्चालन, विद्यार्थीहरूसँग हाजिरीजवाफ प्रतियोगिता. सञ्चारकर्मीसँग अन्तर्त्रिया र स्थानीय बासिन्दासँग छलफल गर्ने केन्द्र प्रमुख डा. भुजूले बताए।

- CLIMATE CHANGE

Mobile library campaign kicks off

Himalayan News Service Kathmandu, December 16

Nepal Academy of Science and Technology (NAST) today started the mobile library campaign, which will travel across the nation in the next three weeks.

The team led by NAST Vice Chancellor Prof SR Kafle left for Pokhara today to launch the campaign, which will start tomorrow. "It is the first time such a massive campaign has been initiated from a government institution,"said Dr Dinesh Raj Bhuju,Chief, Science Faculty, NAST.

The team will take library to materials, climate lectures interaction programmes to the grassroots.

The mobile library will stop at fifteen different places where it will disseminate information on climate

According to NAST, the Climate Change Mobile Library Campaign is one of the activities of Nepal Climate Change Knowledge Management Centre (NC-CKMC). Entrusted to NAST, NCCKMC will serve as centre for providing climate change knowledge management and learning support

policymakers, searchers, students, and the general public

The mobile library journey that began from Kathmandu will halt at Pokhara, Dang, Rupandehi, Banke, Bardiya, Kallali, Dhangadi, Doti, Kanchanpur, Nawalparasi, Chitwan, Makwanpur, Rautahat, Biratnagar, Sunsari and Jhapa.

"Programmes are too Capital-focused and there is need to educate people at the local level. So, being a national academy for science and technology, we have initiated the campaign,"added Bhuju.

The Kathmandu Post January 9, 2011

Experts all praise for climate change management centre

POST REPORT

KATHMANDU, JAN.18

EPAL. Climate Change Knowledge Management Centre. established in December last year by the government as a conduit for research and literature

on climate change Nepal, will help

generate and disseminate ideas on climate change to people, experts said.

Being under National Academy of Science and Technology (NAST) the centre will facilitate scientific research on climate change. NAST aims to initiate a "bottom-up advocacy campaign" through the centre, said Dinesh Raj Bhuju, chief of NAST's science faculty. The centre has so far collected more than 1,000 books and booklets from India and other countries. The centre is also trying to reach out to ordinary Nepalis interested in climate change issues.

A team from the centre visited 25 districts with a National Adaptation Programme of Action (NAPA) in Nepal (2008-2010), which is supported by DANIDA, DFID, GEF and UNDP-Nepal.

"The centre aims to serve as a platform to coordinate and facilitate management, exchange and

spread information on climate-

based issues," said Bhuju.

"Talks on climate change should not be only limited in urban areas as its impact is more visible on rural and poor people. The topography of the Himalayas as well as poor economy makes us more prone to the disaster compared to many other countries that are at climate change risk," he said.

TING CLIMATE CHANGE

mobile library to create massive awareness month ago. "The centre will come

up with more attractive programmes in its second and third phases," said NAST's Bhuju.

The centre—the result of joint effort of NAST and Ministry of Environment (MoE)-is part of an extended process

जलवायु परिवर्तन शिखर सम्मेलन

हरित जलवायु कोष स्थापनामा सहमति

क्यानकुन, २५ मंसिर : मेक्सिकोको क्यानकुन सहरमा जारी जलवायु सम्मेलनमा जलवायु परिवर्तनको असर न्यूनीकरणका लागि मिलेर काम गर्ने सहमति भएको छ। बोलिभियाले भने यसमा असहमत हुन सकेन।

सहमतिअनुसार जलवायु परिवर्तनको असर न्यूनीकरणका लागि गरिब मुलुकलाई सहयोग गर्न विशेष कोष 'ग्रिन क्लाइमेट फन्ड' अर्थात् हरित वातावरण कोष अर्थात् स्थापना गरिनेछ। यस कोषमा आगामी सन् २०२० भित्र एक सय अर्ब अमेरिको डलर जम्मा गरिनेछ। उक्त रकम गरिब मुलुकको वातावरणीय सुधारका लागि खर्च गरिनेछ।

'जलवायु परिवर्तनका क्षेत्रमा नयाँ अन्तर्राष्ट्रिय युगको सुरुआत भएको छ', सम्मेलनको अन्त्यमा मेक्सिकोको विदेशमन्त्री प्याट्टिसिया एस्पिनोजाले भनिन्। सम्मेलनमा गरिव र धनी मुलुकबीच निकै तातो बहस भएको थियो।'हामी निर्णयमा पुग्यौं', क्यानकुन सम्मेलनको छलफल सत्रकी अध्यक्ष मागरिट मुकाहानाना सांगावेंले भनिन्। उनी जिम्बाबेकी राजदूत हुन्। बोलिभियाका प्रतिनिधिले सम्मेलनको यस सत्रलाई बहिष्कार गरेका थिए। सम्मेलनमा धनी र गरिब मुलुकले कार्बन उत्सर्जनका लागि चाल्नुपर्ने कदमबारे सन् २०११ मा विस्तृत छलफल गर्ने भएपिछ हाललाई मिलेर काम गर्ने सहमति भएको हो। यस सहमतिमा क्योटो अभिसन्धि लागू गर्ने मात्र सहमति भएको छ।

क्योटो सन् २०१२ मा समाप्त हुँदैछ। उक्त अभिसन्धिमा धनी मुलुकले मात्र कार्बन उत्सर्जनमा कटौती गर्नुपर्ने उल्लेख छ। यस सहमतिमा सन् २०१२ पछि पनि क्योटोलाई लम्ब्याउने वा समाप्त गर्ने भनेवारे केही उल्लेख छैन। गतवर्ष कोपनहेगनमा भएको दुई साता लामो सम्मेलनसमेत एमेलन पनि त्यसै खर्म गए जलवायु वार्ता बन्द हुनसक्ने आशंका थियो। यस सहमतिका लागि आयोजक मुलुक मैक्सिकोले मध्यस्थकर्ताको भूमिका निर्वाह गरेको छ। प्रारम्भिक सहमतिअनुसार गरिब मुलुकलाई वायु तथा सौर्य ऊर्जाको प्रयोगमा धनी मुलुकले सहयोग गर्ने उल्लेख छ। बनजंगलको संरक्षणमा गरिब मुलुकलाई धनीले सहयोग गरी बाढी, पहिरो तथा महासागरको सतहमा भएको वृद्धि न्यूनीकरणमा सहयोग गर्ने सहमित भएको छ। गरिब मुलुकहरूले आफ्नो बनजंगलका लागि धनीले ठूलो धनराशि सहयोग गर्नपर्ने माग राख्दै आएका छन्। यसैगरी, बनजंगललाई व्यावसायिक खेतीका रूपमा विकास गर्नुपर्ने उनीहरूको माग छ। बोलिभियाका राजदूतले भने पुँजीवादी मुलुकले ल्याएको यस प्रस्तावलाई आफ्नो मुलुकले अस्वीकार गर्ने बताए। धनी मुलुकले सन् १९९० का तुलनामा सन् २०१७ भित्र कार्बन उत्सर्जनलाई आधा पार्नेपर्ने आफ्नो अडान रहेको बोलिभियाका राजदुत पाब्लो सोलोनले बताए। 'बोलिभियाको असहमतिलाई पनि फुट नोटका रूपमा राखिनेछ', संरक्षणवादी संस्था प्राकृतिक स्रोत रक्षापरिषद्का अधिकारी ज्याक स्मिडले भने। प्रस्ताव निर्णयार्थ राख्दै कुनै पनि मुलुकले विरोधमा हात नउठाएकाले प्रस्ताव पारित भएको उनले बताए।

गरिब मुलुकहरूले आफ्नो अर्थतन्त्रको मेरुदण्डका रूपमा कृषिलाई लिँदै आएका छन्। कृषि फार्मबाट सबैभन्दा बढी कार्बन निष्कासन हुने वैज्ञानिकहरूको तर्क छ। तर गरिब मुलुकले भने सबैभन्दा पहिले खान पाउनुपर्ने तर्क गर्दै आएका छन्। बितेका दुई शताब्दीमा धनी तथा औद्योगिक मुलुकले उत्सर्जन गरेको कार्बनका कारण हाल विश्वको जलवायु परिवर्तन चक्रलाई असर पारेको पनि वैज्ञानिकहरूले बताएका छन्। धनी मुलुकले लाभका लागि गरिब मुलुकलाई विपत्तिको सिकार बनाएको गरिब मुलुकहरूको आरोप छ। जलवायु परिवर्तनका कारण माल्दिभ्स डुब्दै गएको छ भने बंगलादेश पनि यसको मारमा फसेको छ। हिमालय तथा ध्रवीय क्षेत्रमा हिउँ पग्लिने ऋम बढेकाले अर्को शताब्दीमा एसियालगायका क्षेत्रमा खानेपानीको हाहाकार हुने वैज्ञानिकहरूको तर्क छ। - रोयटर्स

गोरखापत्र



नास्टलाई अनुसन्धानमूलक बनाउन प्रमको आग्रह

लितपुर, महसिर १३ गते। नेपाल विज्ञान तथा प्रविधि प्रजाप्रतिष्ठान (नास्ट) को ३०औं प्रजसमाले आर्थिक २०६७/६८ को कार्यक्रम सञ्चालनका लागि रुं ११ करोड ६९ लाख ७० हजारको वजेट पारिन गरेको छ। प्रधानमञ्जी एवं नास्टका कुलपित नाधवकुमार नेपालको अध्यक्षतामा सोमवार यहाँ सम्मन्त समाले नास्टको लागि सरकारवाट प्राप्त अनुदान रु. १० करोड ३० लाख, वेटीयार्क स्रोतबाट रु. ३२ लाख र अन्य स्रोतबाट रु. एक करोड बजेट पारिन गरेको हो।

यस्ते सभालं नास्टबाट विज्ञान तथा प्रविधिका क्षेत्रमा उन्कृष्ट योगदान दिने व्यक्ति-सस्थालाई प्रोत्साहित गर्दै जाने उद्देश्यवसीजिम आर्थिक र ६६/६७ को प्रजाप्रतिष्ठान विज्ञान तथा प्रविधि प्रमापुरस्कार एक्त्वनीलाई, प्रविधि प्रवर्डन पुरस्कार दुईजना र नेत्रो विश्व विज्ञान संतिष्ठान पुरस्कार द्यारजनालाई प्रदान गर्ने निर्णय गरेको छ ।

यसरी पुरस्कार प्राप्त गर्नेमा क्रमरा विज्ञान तथा प्रविधि प्रज्ञापुरस्कार नेसनल जुनोसिस एन्ड फुड हाडीजन रिसर्च सैन्टरका डा. दुर्गादत जोशी. प्रकृति संरक्षण पुरस्कार राष्ट्रिय प्रकृति संरक्षण कोपका पूर्वकार्यकारी निर्देशक विश्वनाथ उप्रेती, प्रजाप्रतिष्ठान विज्ञान तथा प्रविधि प्रवर्द्धन पुरस्कार वीर अस्पतालका इ. सुधीशु केसी, युवा विज्ञान तथा प्रविधि पुरस्कार 'विमुवन विश्वविद्यालय केन्द्रीय वनस्पति विभागका सन्देश भट्टराई, यिभुवन विश्वविद्यालय रिप्तलण अस्पतालका इ. प्रकाश अधिकारी, इ. टीपक पुडासेनी, इ.। गोकर्म गीतन, त्रिचन्द्र क्याम्मस भूगर्म विभागका इ. सुनिलकुमार द्विवेदी रहनुभएको छ।

त्यसँगरी तेस्रो विश्वविज्ञान प्रतिष्ठान पुरस्कार विश्वविद्यालय जापानका डा. प्रशंसा सिंह, डा. मनोज थापा. डा. न्दोन्द्रप्रसाद ढकाल र त्रिव केन्द्रीय प्राणीशास्त्र विभागका डि. महेन्द्र महर्जनसे प्राप्त गुर्नुभएको छ। सो अवसरमा सभालाई सम्बोधन गर्दै प्रधानमन्त्री नेपालसे जनआकाङ्क्षाब्याजिम स्थापित नास्टले अनुसन्धानमूलक काम गरी जनमानसमा राम्रो प्रभाव पार्न सक्नुपर्ने बताउनुभयो।

उहाँले नीति क्षेत्रसित सहकार्य र अन्य स्रोतहरू समेतको व्यवस्था गरी अनुसन्धानात्मक कार्य अगाडि बढाउन आग्रह गर्नुभयो। उहाँले नास्ट र निजी क्षेत्रबीचको समन्वय अभिवृद्धि गर्न सकेमा विज्ञानग्रविधिको क्षेत्रमा थप विकास गर्न सिकने विश्वास पनि व्यक्त गर्नुभयो ।
साँही अवसरमा विज्ञान तथा प्रविधि
राज्यमन्त्री एवं नास्टका सहकृतपति
इन्द्रप्रसाद बुङ्गेलले नास्टबाट
सञ्चालित कार्यक्रमहरू सराहनीय
भएको उल्लेख गर्दै यसलाई सम्बन्धित
सबै निकायबीच समन्वयका साथ अधि
बद्द आग्रह गर्नुभयो । नास्टका
उपकृतपति ग्रा.डा. सुरन्दराज काफ्लेले
नास्टको क्रियाकलापलाई अफ बढी
प्रभावकारी र सराक रूपले देशव्यापी
बनाउन आफ्हुरू प्रयासरत रहेको
बताउनभयो ।

यसैबीच सोमबारै प्रधानमन्त्री नेपालले नास्ट र बाताबरण मन्त्रालयको राष्ट्रिय अनुकूलन योजना कार्यक्रमको सहकार्यमा नास्ट परिसर, खुमलंटारमा स्थापना गरिएको नेपाल जलवायु परिवर्तन सूचना व्यवस्थापन केन्द्रको उद्घाटन गर्नुमयो।

सो अवसरमा प्रधानमन्त्री नेपालले जलवायु क्षेत्रमा रहेका जल्दोबल्दा समस्यालाई समाधान गर्नेतर्फ केन्द्रबाट सहयोग पुन्याउन आग्रह गर्दै केन्द्रलाई नमुना सूचनाकेन्द्रको रूपमा विकास गरी नेपालको मात्र नभई सार्क क्षेत्रकार अगुवा केन्द्र चनाडनुपर्नेमा खेड दिनभयो।

नास्टको प्राज्ञसभा सम्पन्न

साढे ११ करोडको बजेट स्वीकृत, पुरस्कार घोषणा

नेपाल समाचारपत्र

काठमाडौं

नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नास्ट) को ३०औं प्राज्ञसभा प्रधानमन्त्री एवस् नास्टका कुलपित माधवकुमार नेपालको अध्यक्षतामा पेमबार सम्पन्न भएको छ।

सभाते आर्थिक वर्ष २०६७/०६८ का कार्यक्रम् सञ्चालन गर्नका लागि नेपाल सरकारबाट प्राप्त अनुदान १० करोड ३० लाख रुपियाँ, वैदेशिक स्रोतबाट ३२ लाख रुपियाँ र अन्य स्रोतबाट १ करोड ७ लाख ३२ हजार रुपियाँ गरी जम्मा ११ करोड ६१ लाख ७० हजार रुपियाँको कार्यक्रम बजेट स्वीकृत गरेको छ।

यस्तै, सभाले नास्टबाट विज्ञान तथा प्रविधिका क्षेत्रमा उत्कृष्ट योगदान दिने व्यक्ति-संस्थालाई प्रोत्साहित गर्दै जाने उद्देश्यवमोजिम आ.व. २०६६/०६७ सालको प्रज्ञा प्रतिष्ठान विज्ञान तथा प्रविधि प्रज्ञा पुरस्कार एक जनालाई, प्रकृति संरक्षण पुरस्कार एक जना, विज्ञान तथा प्रविधि युवा पुरस्कार पाँच जना, प्रज्ञा प्रतिष्ठान विज्ञान तथा प्रविधि प्रवर्द्धन पुरस्कार दुई जना र तेस्रो विश्वविज्ञान प्रज्ञा प्रतिष्ठान पुरस्कार चार जनालाई दिने निर्णय गरेको छ।

यसरी पुरस्कारका लागि छनोट हुनेमा विज्ञान तथा प्रविधि प्रज्ञा पुरस्कारतर्फ नेसनल जुनोसिस एन्ड फुड हाइजिन रिसर्च सेन्टरका डा. दुर्गादत जोशी हुनुहुन्छ। उहाँलाई पशुबाट मानिसमा सर्ने रोग तथा भाइरल इन्सेफ्लाइटिसबारे विस्तृत अध्ययन-अनुसन्धान गरी निदान, उपचार तथा रोकथाममा विशेष योगदान पुऱ्याएबापत पुरस्कार प्रदान गर्ने निर्णय गरिएको नास्टले जनाएको छ।

त्यस्तै प्रकृति संरक्षण पुरस्कार राष्ट्रिय प्रकृति संरक्षण कोषका कार्यकारी पूर्वनिर्देशक विश्वनाथ उप्रेतीलाई नेपालमा जैविक विविधता संरक्षण रू संवर्द्धनका लागि संरक्षित क्षेत्रहरूको स्थापना, संरक्षण तथा व्यवस्थापनमा प्रमुख भूमिका निर्वाह गरी असूल्य योगदान पुन्याउनुका साथै नेपालको प्रकृति संरक्षणको अभियान र सफलतालाई अन्तर्राष्ट्रिय स्तरमा समेत पुन्याउन उल्लेखनीय योगदान पुन्याएबापत प्रदान गर्ने निर्णय भएको जनाइएको छ।

प्रज्ञा प्रतिष्ठान विज्ञान तथा प्रविधि प्रवर्द्धन पुरस्कार वीर अस्पतालका डा. सुधांशु केसीलाई कलेजोजन्य रोगको अध्ययन-अनुसन्धान गरी सोको रोकथामका लागि प्रचारप्रसारमा योगदान पुन्याएबापत, फाउन्डेसन फर सस्टेनेबल टेक्नोलोजिजका सानुकाजी श्रेष्ठलाई खेर जाने वस्तुबाट वैकल्पिक इन्धन बनाउने उपयुक्त प्रविधि विकास गरी प्रचारप्रसारमा योगदान पुन्याएबापत प्रदान गर्ने निर्णय भएको जनाइएको छ।

युवा विज्ञान तथा प्रविधि पुरस्कार क्रमशः त्रिभुवन विश्वविद्यालय केन्द्रीय वनस्पति विभागका डा. सन्देश भट्टराईलाई हिमाली क्षेत्रमा वनस्पतिको

परम्परागत ज्ञानलाई वैज्ञानिक अध्ययन-अनुसन्धान गरी योगदान पुऱ्याएबापत, त्रिभुवन विश्वविद्यालय शिक्षण अस्पतालका डा. प्रकाश अधिकारीलाई नाक, कान, घाँटीका रोगहरूको विस्तृत अध्ययन अनुसन्धान गरी तिनको निदान, उपचार तथा रोकथाममा महत गरी योगदान पुन्याएबापत, योन्सी विश्वविद्यालय दक्षिण कोरियाका डा. दीपक पुडासैनीलाई काठमाडौं उपत्यकामा भू-सतुहनजिकको आजीनसम्बन्धी अनुसन्धान गरी सीको प्रदूषणको रोकथामका लागि योगदान पुच्यापबापत, होक्काइडो जापानमा अनुसन्धानरत डा. गोकर्ण गौतमलाई गर्भवती होलेस्टाइन गाईमा प्रजननसमस्यासम्बन्धी अध्ययन-अनुसन्धान गरी योगदान पुऱ्याएबापत र त्रिचन्द्र क्याम्पस भूगर्भ विभागका डा. सुनीलकुमार द्विवेदीलाई अफ्रो-अरेबियन क्षेत्र र एनाटोलियन क्षेत्रको टेक्नोनिक्स र स्ट्रेस सञ्चित तथा त्यसबाट उत्पन्न हुन सक्ने भूकम्पीय जोखिमको 'न्युमेरिकल मोडेलिङ' प्रविधिको अध्ययन-अनुसन्धानका साथै प्रयोग गरी योगदान पुऱ्याएबापत प्रदान गर्ने निर्णय भएको जनाइएको छ।

प्रमबाट उदघाटन

यसैबीच प्रधानमन्त्रीले वातावरण मन्त्रालयको राष्ट्रिय अनुकूलन योजना कार्यक्रमको सहकार्यमा नास्टपरिसर खुमलटारमा स्थापना गरिएको नेपाल जलवायु परिवर्तन सूचना व्यवस्थापन केन्द्र उद्घाटन गर्नुभएको छ।

वातावरणमन्त्रीद्वारा हिमाल जोगाउन आग्रह

पिताम्बर सिग्देल

कानकुन (मेक्सिको), २३ मंसिर: जलवायु परिवर्तनसम्बन्धी संयुक्त राष्ट्रसंघीय सोहौं विश्व सम्मेलन (कोप १६) मा नेपालका तर्फबाट

रणमन्त्री ठाकुरप्रसाद शर्माले बिहाबार सम्बोधन गरेका छन्। जलवायु परिवर्तनका असरसँग जुध्न नेपाललाई विशेष सहयोगको खाँचो रहेको मन्त्री शर्माले बताए। जलवायु परिवर्तनका कारण नेपालका हिमाल संकटमा परेको भन्दै शर्माले हिमाल जोगाउन अन्तर्राष्ट्रिय समुदायसमक्ष सहयोगको अपिल गरे।

मन्त्री शर्माले नेपालमा जलवायु परिवर्तनका कारण हिउँ पग्लने क्रम अकल्पनीय रूपमा बढेको विभिन्न अध्ययनबाट पृष्टि भएको बताए। अन्तर्राष्ट्रिय समुदायले हिमाली क्षेत्रमा आफ्नो ध्यान केन्द्रित नगरे तल्लो क्षेत्रमा बस्ने विश्वका करोडौँ जनताका लागि खानेपानीको समेत अभाव हुने दाबी पनि उनले गरे।

जलवायु परिवर्तनका असरबाट क्लित हुनका लागि सञ्चालन कार्यक्रम (नापा) तयार पारिएको जानकारी दिँदै मन्त्री शर्माले त्यसको कार्यान्वयनका लागि जुटिरहेको उल्लेख गरे। हिमाली देशका साझा समस्या एउटै मञ्चबाट उठाउने उद्देश्यले हिमाली सञ्जालको अवधारणा अघि बढाइएको जानकारी पनि उनले दिए। अति कम विकसित देशले थोरै कार्बनडाइअक्साइड उत्सर्जन गरे पनि धेरै असर भोगिरहेको बताउँदै उनले हरितगृह ग्यास उत्सर्जनमा कटौती गर्न प्रतिबद्धता आउनुपर्ने धारणा पनि शर्माले व्यक्त गरेका थिए।

सम्मेलनमा एक सय ९४ देशका मन्त्री तथा केही सरकारी प्रतिनिधि उपस्थित छन्। यसपटकको सम्मेलनमा आयोजक देश मेक्सिकोबाहेक कुनै पनि देशका राष्ट्रप्रमुख उपस्थित छैनन्। सम्मेलनमा नेपालसहित ६५ देशका मन्त्रीले सम्बोधन गरेका थिए।

यसैबीच वातावरण मन्त्रालयले बिहीबार नै कानकुनमा पत्रकार सम्मेलन आयोजना गरी नेपालले सम्मेलनमा उठाएका मुद्दाका बारेमा जानकारी गराएको छ। सम्मेलनस्थलमा आयोजित पत्रकार सम्मेलनमा वातावरणमन्त्री शर्मा, वन तथा भूसंरक्षणममन्त्री दीपक बोहोरा, राष्ट्रिय योजना आयोगका सदस्यद्वय डा. दिनेशचन्द्र देवकोटा र रामकुमार शर्मा पनि उपस्थित थिए।

पत्रकार सम्मेलनमा हिमालका अतिरिक्त अनुकूलन तथा रेड (रिंड्युसिङ इमिसन थ्रु डिफरेस्टेसन एन्ड डिग्निटेसन) कार्यक्रमका बारेमा विशेष चासो देखाइरहेको जानकारी दिइयो। मन्त्री बोहोराले नेपालको वनजंगलले कार्बन उन्सर्जन नियन्त्रण गरिरहेको बताउँदै रेडले नेपाललाई विशेष फाइदा पुग्ने बताए। उनले जलवायु परिवर्तनका कारण दुर्लभ वन्यजन्तुमा परेको असर कम गर्ने कार्यक्रमको खाँचो पनि औल्याएका थिए।

योजना आयोगका सदस्य डा. देवकोटाले साना देशले उठाएका मुद्दामा विकसित देशले चासो दिने क्रम बिढरहेको बताए। वातावरण मन्त्रालयका सचिव डा. गणेशराज जोशीले जलवायु परिवर्तनकां बारेमा नेपालले गत वर्ष कोपनहेगनमा राखेका विचारमा अडिग रहेको जानकारी दिए।



२०६७ मंसिर १४ मंगलबार 2010 November 30, Tuesday

जलवायु परिवर्तनसम्बन्धी साइकलयात्रामा दुई युवा

जनदिशा संवाददाता

कैलाली, १३ मङ्सिर

जैविक विविधताको संरक्षण तथा जलवायु परिवर्तनसम्बन्धी जनचेतना जगाउने उद्देश्यका साथ दुई युवाले कञ्चनपुरको गड्डाचौकीबाट महाकाली-मेची साइकलयात्रा सुरु गरेका छन ।

बन विज्ञान अध्ययन संस्थान पोखरा क्याम्पसमा अध्ययनरत कैलाली जोशीपुरका गोपाल खनाल र कञ्चनपुर भालारीका दीपेन्द्रनाथले सो यात्रा प्रारम्भ गरेका हुन्।

मङ्गलबारदेखि मेक्सिकोको क्यानकृत सहरमा हुने जलवायु परिवर्तनसम्बन्धी विश्व सम्मेलन (कोप-१६) र अन्तर्राष्ट्रिय जैविक विविधता वर्ष सन् २०१० को अवसर पारेर सुरु गरिएको सो यात्राको उद्घाटन सिद्धनाथ विज्ञान क्याम्पसका प्रमुख डा. भवानीचन्द ठकरीले गरेका थिए।

तराईका २० जिल्लामा गरिने सो यात्राको पहिलो दिनको यात्रा कञ्चनपुरबाट सुरु भई कैलालीको अत्तरियासम्म गरिएको छ भने आज अत्तरियाबाट चिसापानीसम्म पुग्ने साइकलयात्री खनालले बताए।

यात्राले जलवायु परिवर्तन र वातावरणीय विनासको समस्या, बाध, गैंडा, गिद्धलगायत दुर्लभ जैविक विविधता सरक्षण, वैकल्पिक ऊर्जाको प्रयोगलगायतका विविध विषयमा प्रोत्साहन गरिने जनाएको छ ।

यात्राका लागि विश्व वन्यजन्तु कोष नेपाल, विश्व प्रकृति संरक्षण सङ्घ नेपाल, नेपाल पक्षी संरक्षण सङ्घ, केयर नेपाल, सामुदायिक बन उपभोक्ता महासंघ, नेपाल बन प्राविधिक संघ, नेपाल विज्ञान तथा प्रविधि प्रतिष्ठान, लिवर्ड, पश्चिमी तराई भू-परिधि विकास आयोजनाको सहयोग रहेको बताइएको छ ।

SAARC to be climate talks observer

Ramesh Prasad Bhushal

Cancun, November 30

The 16th Conference of 194 Parties to the United Nations Framework Convention on Climate Change kicked off here today with a plea to commit and compromise for tackling climate change. As in the past, the speakers urged the countries to come up with specific and clear solutions to check degradation of the environment.

However, general opinion here is that the meeting is unlikely to come up with anything concrete. "I am not much hopeful. However, the meeting can be fruit-

ful in keeping negotiations on track after they were derailed in Copenhagen last year due to the interruption by world leaders," said Purusottam Ghimire, Chief Negotiator from Nepal.

Close to 15,000 participants, including government delegates from 194 Parties to the UNFCCC and representatives from business and industry, environmental organisations and research institutions, are attending the gathering in Cancun. Copenhagen had seen 30,000 participants.

Climate change is an issue that affects life on a planetary scale. There are billions of human beings humanity, "said Felipe Calderon, President of Mexico, addressing the opening session of the meeting.

It is learnt that 20 heads of government will be attending the closing session of the climate change talks on December 10. Last year's meeting in Copenhagen was attended by more than 120 heads of government.

The Copenhagen meet had failed to forge consensus on climate change treaty with specific target to reduce carbon emissions to lower global warming.

Warming of the climate system is now evident from increase in global average

expecting you to work for air and ocean temperature, widespread melting of snow and ice and rising global average sea-level, "said Rajendra Kumar Pachauri, Chief of Inter-governmental Panel on Climate Change, a scientific body to assess climate change signs.

The meeting held shortly after the plenary session decided to provide South Asian Association for Regional Cooperation the status of observer organisation in the climate talks. The proposal from Bhutan as the chair of SAARC was supported by India and Pakistan. Climate change was a major agenda in the 16th SAARC meeting held in Thimphu in April.

THE KATHMANDU POST | TUESDAY, NOVEMBER 30, 2010

Cycling to raise awareness

KAILALI: Two youths have embarked on Mahakali-Mechi bicycle journey in a bid to increase awareness about biodiversity conservation and climate change. Gopal Khanal of Kailali and Dipendra Nath of Kanchanpur of Kanchanpur, both students of Institute of Forestry (Pokhara), are on the cycle tour. The tour coincides the 2010 United Nations Climate Change Conference starting in Cancún of Mexico from Tuesday. (RSS)

- CANCUN NEGOTIATIONS

Climate talks end on optimistic note

Unlike Copenhagen, leaders did not stymie talks this time

Ramesh Prasad Bhushal

Cancun, December 11

The two-weeks climate talks held in Cancun of Mexico ended with some

Unlike last year's Copenhagen talks where more than 110 heads of government were blamed for derailing negotiations on a climate deal, the talks this time stayed on track.

"A new era in international cooperation in climate change has begun," said Mexican Foreign Secretary Patricia Espinosa chaired the meeting.

Governments agreed to boost action to curb emission resulting from deforestation and forest degradation in developing countries with technological and financial support. "Governments have given a clear signal they are headed to-

wards low-emissions future , they have agreed to be accountable to each other for actions taken to get there, and have set it out in a way that encourages countries to be more ambitious over time,"said Christina Figueres, Chief of UNFCCCclimate change wing.

The countries agreed to a total of \$30 billion as starting finance from industrialised countries to support climate action in the developing world up to 2012. They aim to raise \$100 billion in long term funds by 2020.

The major outcomes are: creation of Green Climate Fund; support for developing countries to adapt to climate-change impacts; and the foundations of systems that will protect forests and transfer climate-friendly technologies to developing nations

Despite these, the big issue of carbondioxide emission reduction (and legal commitments to make them real) has not been resolved but merely kept in play to be tackled at a later date," said Dr Saleemul Huq, senior fellow in the climate change group at the International Institute for Environment and Development, a UK-think tank.

Unlike Copenhagen, the talks moved smoothly here and major economies like the USA, China, Japan, India, Canada, Russia and European Union appreciated the document that came out after two weeks negotiations. "Cancun may have saved the process but it did not yet save the climate," said Greenpeace International Climate Policy Director Wendel Trio. "Some on track and keep on called the process dead, but negotiating about the future governments have shown of the protocol.

they can cooperate and move forward to achieve a global deal.

At the beginning, Japan opposed a second commitment period for the Kyoto protocol whose first phase ends in 2012, pointing out that the treaty covers only 30 percent of global emissions because top polluters including China, India and the US are not part of it. The Kyoto protocol mandates developed countries to cut carbon dioxide emissions, but countries like China and India, which are now emerging economies are not in that net as they fall in the list of developing countries. Besides, the US has not signed the protocol.

Removing fear of the Kyoto Protocol's death, the countries agreed to move

परिवतनबाट उत्पन्न

कानकुन, मङ्सिर २५ गते। मेक्सिकोको कानकुनमा जारी जलवाय परिवर्तनसम्बन्धी विश्व सम्मेलनका ऋममा यसको असरबाट उत्पन्न समस्यालाई कम गर्न गरिब राष्ट्रलाई क्षतिपूर्ति दिन खबीं डलस्को ग्लोबल फन्ड स्थापना गर्ने विषयमा क्राकानी भएको समाचार छ।

दुई हप्तादेखि जारी सो सम्मेलनमा शनिबार यो फन्डको परिचालन गरी औद्योगिक राष्ट्रका तर्फबाट त्यसमा जम्मा गरिने रकमवाट जलवायु परिवर्तनको मारमा परेका गरिव राष्ट्रलाई क्षतिपूर्ति दिइने सम्बन्धमा पनि क्राकानी भएको थियो।

साथै क्योटो अभिसन्धिको अनमोदनका लागि पनि कुरा उठेको छ । जलवाय् परिवर्तनको असर कम गर्नका लागि सहयोगीसिद्ध हुने यो अभिसन्धिको म्याद आगामी दुई वर्षमै

हामीले पछिल्ला केही दिनमा आएर निके ने महत्त्वपूर्ण प्रगति गरिरहेका छाँ-मेक्सिकाकी विदेशसचिव प्यादिसिया एस्पिनोसाले भनिन्।

जलवाय् परिवर्तनको असर कम गर्ने सम्बन्धी विश्वव्यापी कानुन निर्माणका लागि विश्वले हामीलाई हेरिरहेको छ भन्दै राष्ट्र सङ्घीय जलवायुसम्बन्धी प्रमुख टोड स्टर्नले त्यसतर्फको यात्रा अभी तय नभइसकेको भए पनि सम्मेलन प्रगतिउन्मुख नै रहेको

वताए।

गतवर्षः यसी डेनमार्कको कोपेनहेगनमा जलवाय परिवर्तनसम्बन्धी १४औं सम्मेल्न भएको र यसले परिवर्तनको असर कम गर्नकः लागि कान्न नै निर्माण गर्न भनेपछि परेको थियो।

अहिले पनि यस्तो कान्न निर्माणका लागि क्राकानी उठिरहेकी तर सहमित भने हुन नसकेको प्राप्त समाचारमा उल्लेख छ।

यसपटक भने यस्तो ग्लोबल फन्डको स्थापना गरी यसको असरका कारण मारमा परेका राष्ट्रलाई क्षतिपूर्ति दिनका लागि सो फन्डको परिचालन गर्ने विषयमा क्राकानी भइरहेको बताइएको छ।

हेटौंडा, १८ पुस/ नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नाष्ट)ले जलवाय परिवर्तन सम्बन्धी जानकारी गराउन संचालन गरेको देशव्यापी अभियानको ऋममा बुधवार हेटौँडामा कार्यक्रम गरेको छ।

'जलवाय परिवर्तन चेतनाका लागि घुमित पुस्तकालय' अभियानका साथ नाष्टको टोली पूर्व मेचीदेखि पश्चिम महाकालीसम्म जनस्तरमा चेतना अभिवृद्धि गर्न अग्रसर भएको हो।

गत पुस २ गते पोखराको अमरसिंह उच्च माविवाट औपचारिक उद्घाटन गरी अभियान शुरु गरेको अभियान व्यवस्थापन अधिकृत भोजराज अधिकारीले बताए। अभियान टोली कास्की, स्याङ्जा, पाल्पा, रुपन्देही,



जलवायु परिवर्तन सम्बन्धी पोप्टर प्रदर्शनी अवलोकन गर्दै श्रीमक माविका विद्यार्थी तथा शिक्षकहरू । तस्वीरः विमत श्रेष्ठ हेटौं डाबाट बारा,

कैलाली, कञ्चनपुर, डोटी, समेत सञ्चालन गरेको थियो।

सम्बन्धी पोष्टर प्रदर्शनी, फोटो राउतले बताइन्। पदर्शनी, अन्तिर्क्तिया तथा कपिलवस्तु, दाङ, बाँके, बर्दिया, विज्ञहरुद्धारा अनुशिक्षण कक्षाहरु समस्याले नेपाललाई पनि असर

डडेलधुरा, नवलपरासी तथा अभियानबाट जलवायु परिवर्तन चितवन जिल्लामा कार्यक्रम गरी सम्बन्धी जनस्तरमा सचेतना मकवानपुरको हेटौंडा आइपुगेको हो । अभिवृद्धि गर्नका साथै विद्यार्थी, हेटौंडा-४ कर्रामा रहेका शिक्षक तथा बुद्धिजीवीको धारणा

श्रमिक माध्यमिक विद्यालयमा बुभून प्रभावकारी भएको नाष्ट नाष्टको टोलीले जलवाय परिवर्तन प्रवर्द्धन महाशाखा प्रमुख रिमला

जलवाय परिवर्तनको

पानें बताउँदै नाष्टका वातावरणवीद रौतहट, सर्लाही हुँदै मंगलबार स्विप पाण्डेले यस समस्या न्यूनीकरणमा आजैदेखि विद्यार्थीलाई सचेत गराउन सके बढी प्रभावनकारी हुने बताए।

नाष्ट्रका विज्ञान संकाय प्रमुख डा. दिनेशराज भुजुको जानकारी प्रदान गर्ने उद्देश्यले नेतृत्वमा संचालित अभियान टोली नेपाल जलवाय परिवर्तन ज्ञान पुर्विक्षेत्र जाने ऋममा हेटौंडा आएको व्यवस्थापन केन्द्र समेत सञ्चालन हो । टोलीले विभिन्न विद्यालयमा गररहेको छ ।

जञ्ज सापकोटाले बताईन। टो लीले भापामा पुगी कार्यक्रम समापन गर्नेछ। टोलीमा नाष्ट्रका हरिराम श्रेष्ठ तथा उमेश अधिकारीको पनि सहभागिता छ । नाष्टले जलवायु परिवर्तन सम्बन्धी सम्पूर्ण

विद्यार्थीबीच विज्ञान व

जलवायु परिवर्तन

सम्बन्धी हाजिरीजवाफ

प्रतियोगिता पनि

सञ्चालन गरेको

जनाएको छ। हालसम्म

दशौँ हजार विद्यार्थीलाः

जलवायु परिवर्तनबारे

जानकारी दिइएको

नाष्ट्रका वातावरण विव

जलवायु परिवर्तनबारे सचेत गराउँदै नास्ट

-पश्चिम ब्रेपाल संवाददाता महेन्द्रनगर, ७ पुस

नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नाष्ट)ले जलवायु परिवर्तन र यसले पारिरहेको असरका बारेमा जनचेतना अभिबृद्धिका लागि जयवायु परिवर्तन घुम्ति पुस्तकालय मेचि महाकाली अभियान २०६७ कार्यक्रम अन्तरगत बुधबार महेन्द्रनगरमा प्रदर्शनी गरिएको छ ।

महेन्द्रनगरस्थित स्थानीय
महेन्द्रनगर उच्च माविमा प्रतिष्ठानले जलवायु
परिवर्तनका विषयमा प्रदर्शनी सहित यसका
बारेमा विद्यालयमा रहेका विद्यार्थीहरूलाई
जानकारी गराएको छ । अहिले वायुमण्डलमा
भइरहेको जलवायु परिवर्तनले पारेको असरका
बारेमा जानकारी दिन पश्चिमाञ्चलको
पोखराबाट सुरू गरिएको अभियान
महाकालीसम्म पुगेको हो । अभियानले विभिन्न
स्थानहरूमा गएर जलवायु परिवर्तनले

पारिरहेको असरका बारेमा जानकारी गराएको छ । मुख्य गरी विद्यालयमा अध्ययन गरिरहेका विद्यार्थीहरू माँभन केन्द्रीत रहेर कार्यक्रम गरिरहेको अभियानमा सहभागी अशोक थापाले बताए ।

'हामीले पहिले विद्यालयमा अध्ययन गर्ने विद्यार्थीहरूलाई यसका बारेमा जानकारी गराउन सक्यों भने धेरे सहज हुन्छ उनले भने यस सम्बन्धी जानकारी पाएका विद्यार्थीहरूले आफ्नो टोल छिमेकमा समेत यसका बारेमा जनचेतना फैलाउँदै जानेछन ।' विश्वमा भइरहेको जलवायु परिवर्तनवाट नेपाल समेत प्रत्यक्ष प्रभावित भइरहेको अवस्थामा सबैलाई यसका बारेमा जानकारी गराउनका लागि देशक्यापी अभियानका रूपमा बढाइनुपर्ने नास्टको उद्येश्य रहेको जनाएको छ । नेपाल कमलो प्रकृतिको पर्वतमाला र गरिबिका कारण जलवायु परिवर्तनको मारबाट धेरै सताइने राष्ट्रहरूमा सुचिमा रहेको छ ।



नास्टले जलवायु परिवर्तनका विषयमा अध्ययन गर्नका लागि नेपाल जलवायु परिवर्तन ज्ञान न्यवस्थापन केन्द्रको समेत स्थापना गरेको छ । अभियान अर्न्तगत हाजिरी जवाफ प्रतियोगिता, फोटो प्रवर्शनी तथा अन्तरिक्रया समेत गर्दे आइरहेको छ । जयवायु परिवर्तन चेतनाका लागि मेची महाकाली घुम्ति पुस्तकालय कार्यक्रमको नेतृत्व नास्टका मुख्य वैज्ञानिक ढा.दिनेश राज भुजुले गरेका छन भने उक्त टोलीमा भोजराज अधिकारी, महेन्द्र कलापी, नारायण गैरे, अशोक थापा र उमेश प्रसाद अधिकारी रहेका छन ।

पुस २ गतेबाट सुरू भएको उक्त कार्यक्रम पोखरा, स्याङ्जा, पाल्पा, बुटबल, वाङ, बाँके हुवै कञ्चनपुरमा आयोजना गरिएको हो । यसपिष्ठ पुस ट गते डोटी, १० गते डडेल्धुरामा कार्यक्रम गरिने भएको छ । यस्तै पुष ११ गतेबाट पूर्वि नेपालका १० जिल्लामा उक्त कार्यक्रम आयोजना गरिने नास्टले जनाएको छ ।

= [आजको सिर्जना/जलवायु परिवर्तन, असर र समाधान] =

पंकज ढुंगाना

'जलवायु' परिवर्तन भनाले जल र वायुको प्राकृतिक स्वरूप परिवर्तन हुनु हो। राष्ट्रिय र अन्तर्राष्ट्रियस्तरमा यो चिन्ताको विषय बनेको छ। जलवायु परिवर्तनका कारण पृथ्वीका हरेक जीवजन्तु र वनस्पतिको अस्तित्व संकटमा पर्देछ। मानवजीवनमा आउने समस्याभ्यं जलवायु परिवर्तन यस्तो समस्या हो; जसले मानव, जीव, जनावर तथा सिंगो वातावरणमै नकारात्मक असर पुऱ्याइरहेको छ।

वायुमण्डलमा हावाका विभिन्न तह हुन्छन्। तीमध्ये ओजोन ग्यासको पनि एउटा तह हुन्छ। ओजोत तहले सर्यबाट आउने परावैजनी किरण छेकेर त्यसलाई पृथ्वीमा भित्रन दिँदैन। साथै ओजोन तहले लामो 'वेभलेन्थ' भएका सूर्यका किरणलाई छोटो वेभलेन्थमा परिवर्तन गरेरमात्र पृथ्वीमा छिर्न दिन्छ, जुन जीवका लागि हानिकारक हुँदैन। तर, ओजोन तहलाई सीएफसी ग्यास, क्लोरोफर्म, नाइट्रोजन अक्साइड, नाइट्रोजन डायोअक्साइड जस्ता हानिकारक ग्यासले विनाश गर्छन्। सीएफसी (क्लोरोफ्लोरो कार्बन) ले ओजन ग्यासको ५० लाख परमाणु विनाश गर्छ। हरितगृह ग्यासले पृथ्वीको वायुमण्डलमा तहका रूपमा रहेर छोटो वेभलेन्थ भएको किरणलाई वायमण्डल बाहिर जान दिँदैन। फलस्वरूप पृथ्वीको तापक्रम वृद्धि हुन्छ। पहिलेपहिले हरितगृह ग्यासले पृथ्वीमा जीवहरूलाई ठिक्क तापऋममा राख्ने गर्थ्यो । तर, अठारौँ शताब्दीको औद्योगिक क्रान्तिपश्चात् हरितगृह ग्यासको मात्रा पृथ्वीमा बढन गयो र वायमण्डलको तापक्रम पनि बढ्न थाल्यो। तापक्रम बढेको त हामीले अनुभव गरेकै छाँ।

अहिलें उद्योगको मात्रा बढिरहेको छ, घरघरमा सीएफसी ग्यास निकाल्ने रैफ्रिजिरेटरको संख्या पनि बढ्दो छ। तर, वैकल्पिक ऊर्जाको प्रयोग भने त्यति कासलारा छैन। जलवायु परिवर्तन यस्तै कारणले उक्जिपको समस्या हो। यसका कवाँ



नकारात्मक असर धेरै

बेफाइदा छन्। कहिलेकाहीँ यो फाइदाकारी पनि रहेको पाइन्छ। ध्रवीय क्षेत्र या जाडो हुने ठाउँमा

बुपांच कर वा आहा हुन ठाउमा आडों घटकों छ। फलफूल तथा तरकारी चिसो ठाउँमा पनि राम्ररी फल्न थालेको पाइन्छ। इन् कहिल्खें आँप नपावने काठमाडौँमा भखरें दुईं वर्षदेखि आँप पावन थालेको छ। त्यसँगरी फलफूलहरू छिट्टै पावन थालेका छन्। यो जलवायु परिवर्तनका सकारात्मक असर हुन्। कारात्मक असरको कुरा गर्दा अहिले रोग फैलिने कम बढेको छ। गर्मी बढेकाले रोगहरू बढी मात्रामा फैलिएको पाइन्छ: दराचुरुंगी पनि वस्तारैं जाडो ठाउँतर्फ जाने गरेको पाइन्छ। समयमा पानी नपने, पानी परे पनि कि त अतिवृष्टि हुने कि त अल्पवृटि हुने गरेको छ। खडेरीले गर्दा बालीनालीमा त झनै प्रत्यक्ष असर

परेको छ। त्यसैगरी अतिवृष्टि भएको ठाउँमा बाढीपहिरो गएर धनमाल तथा जनधनको नास हुने गरेको छ। हाम्रो देशमा हिमालहरू नांगा भएका छन्। केही दशकमा सब्से हिमाल छ। वर्सीन हिउँ पर्ने ठाउँको उचाइ ५० मिटरले बढ्दैछ। समुद्रको तह बढेकाले गर्दा टापुहरू डुळो कम बढ्दो छ। वर्सीन केही मिटरले समुद्री सतह बढिरहेको छ। माल्टिस्म, श्रीलंकाजस्ता देश डुळो खतरा बढेको छ। त्यसैगरी स्तामीले समुद्रछेठको बस्तीलाई डुबाउने कम बहिरहेको छ। यस्ता विभिन्न प्राकृतिक प्रकोपले मानव, जीवजनु तथा सबै चीजलाई असर गरेको छ। जलवायु परिवर्तनको नकारात्मक असर कम गर्ने हामील वातावरणमा हानि नगर्ने ऊर्जा प्रयोग गर्नुपर्छ।

जलविद्युत, सौर्य, बायोग्यासजस्ता कर्जा प्रयोग गर्नुपर्छ । जलिव्द्युत् उत्पादन गर्न धनी राष्ट्रले गरिब राष्ट्रलाई सकेसम्म सहयोग गर्नुपर्छ ; जसले गर्दा अन्य कर्जाको प्रयोग घटोस् र हरितगृह ग्यासको उत्पादनमा पनि रोक लागोस् । अझ सम्पूर्ण सवारीसाधन पनि विद्युत्वाटै चल्नुपर्छ । त्यसो गरेमा मात्र हाम्रो पृथ्वीमा मानव तथा जीवको आयु लामो हुन्छ र सफा पृथ्वी निर्माण हुन्छ ।

पृथ्वी नै खतरामा

रुवेश प्रधान

प्रदूषण, धुलो, विभिन्न ग्यासले पृथ्वीको तापक्रम बढाउँदैछ। वातावरणमा परिवर्तन गराउँदै लागिरहेको छ। जलवायु परिवर्तनका विभिन्न कारण छन्। तीमध्ये मुख्य कारण हो, कलकारखाना एवं के कहिकवाट

नस्कर्त विषाक्त ग्यास नाइट्रोजन अक्साइड, नाइट्रोजनमोनोअक्साइड, सल्फरडाइअक्साइड इत्यादि ग्यास अर्थात हरितगृह ग्यास।

यसाा ग्यासले पृथ्वीको तापकम बढाइरहेको छ। जलवाय परिवर्तनले मानिसलाई दूलो असर पुऱ्याइरहेको छ। यसले अम्ल वर्षाजस्ता

पुन्याइरहेको छ। यसले अम्ल वर्षाजस्ता प्राकृतिक प्रकोप निम्त्याइरहेको छ। अम्ल वर्षाले छालाको रोगका साथै खेतीमा पनि असर पुन्याउँछ। साथै यसको असर बिरुवामा पनि देखन सकिन्छ। तिहारमा फुल्ने सयपत्री पहिल्यै फुल्न थालेको छ। समय नै नपुगी फूलहरू फुल्ने गर्छन् र समय आउँदा ओइलाइसक्छन्। तराईमा फल्ने ऑप, पहाडमै फल्न थालेको छ। त्यस्तै कालवायु परिवर्तनले विभिन्न जीवजन्तमा ठूलो असर पारेको छ।

जलचर र पानीमा बसोबास गर्ने माछा, ध्यापुताको फुललाई लाभा समयमा नै नष्ट पारिदन्छ। साथै त्यसले जैविक विविधतामा भी अध्यक्त स्वादेश साथी त्यसले जैविक विविधतामा भी अध्यक्त स्वादेश प्रकृतिका प्राणी र वनस्पति पाइनु हो। त्यस्तै, जलवायु परिवर्तनले प्राकृतिका अरात्रक कुयाकलाप कम गरेको खण्डमा र हरितगृह ग्यास, प्रदूषण आदि नियन्त्रण गरेको खण्डमा प्रत् जलवायु परिवर्तनको असर नियन्त्रण गरेको खण्डमा प्रत जलवायु परिवर्तनको असर नियन्त्रण गरेको खण्डमा मात्र जलवायु परिवर्तनको असर नियन्त्रण गरेको खण्डमा मात्र जलवायु परिवर्तनको असर नियन्त्रण गर्न सिकन्छ। जलवायु परिवर्तनको असर नियन्त्रण गर्न स्वकृत्रो जीवन नै खतरामा पार्न सल्छ।

रोक्न प्रयास गरौं

श्रीकृष्ण घिताल

जलवायु परिवर्तन भन्नाले प्रकृति र वातावरणको सामान्य अवस्थामा परिवर्तन आउनु हो। प्रकृतिको सामान्य रचनामा आउने परिवर्तन घातक वा विनाशकारी हुनसक्छ। त्यही - परिवर्तिव वातावरणीय

अवस्थाको मूल परिणाम नै जलवायु परिवर्तनको असर हो। जलवायु परिवर्तनको मूल कारक एवं खलनायक हामी मानिस नै हों।

सूर्यको किरणबाट निस्कर्ते विनाशकारी अल्ट्राभ्वाइलेट रे अर्थात् परावजनी किरणबाट पृथ्वीलाई औजात तहले बचाउँछ। मानिसले त्यही ओजान तहको विनाश गरिरहेका छन्। औद्योगिक रसायन एवं विनाशकारी धुवाँको मुस्लोले ओजोन तहको विनाश गर्छ। ओजोन विनाशक कारण पृथ्वीमा जलवायु परिवर्तनको असर देखिन थालेको हो। जलवायु परिवर्तनका असर थुप्रै छन्। त्यसले मानिसलाई मात्र नपई सम्पूर्ण जीवमा नकारत्मक प्रभाव पारिरहेको छ। मूल असर धुवीय क्षेत्रमा बढी देखिन्छ।

पृथ्वींको बढ्दो तापऋमले हिमाल पिक्लुङ र समुद्री सतह बढ्छ। जलवायु परिवर्तनले जीवअन्तु र अनस्पतिको जीवनवक्लाई पिन असन्तुलित बनाइदिन्छ। उदाहरणका लागि आडो मीसममा फल्ने तरकारी एवं फलफुल गर्मामा फल्ने थाल्छ। यो असन्तुलनको कारक हामी मानिस ने हो। ल्यसेल सुधाने जिम्मा पिन हामै हो। आचरण सुधाने हो भने जलवायु परिवर्तनका असरवाट बच्च सर्चप्रधम 'हरितगृह ग्यास' को उत्पादन कम गर्नुपर्छ। सुब्बा फाँटहरूमा वृक्षरोपण गर्नुपर्छ। गोबरग्यास, हावापानी, जीवक ग्यासजस्ता बैकल्पिक कर्जा प्रयोग गर्ने हो भने जलवायु परिवर्तनका असर कम गर्न सब्ब्छा। २०६७ पुष १५ गते

चेतनाका लागि घुम्ती पुस्तकालय

9 नारायणी सम्वाददाता

लागि मानवीय दायित्व विषयमा छलफल भएको थियो।

हेटौंडा जलवायु परिवर्तन भएको थियो। चेतनाका लागि बुधवार हेटौडामा घुम्ती पस्तकालय सञ्चालन भएको छ।

पुस २ गतेदेखि शुरु भएको अभियान नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नाष्ट) ललितपुरले कार्यक्रम आयोजना गरेको हो।

हेटौंडाको श्रीमक माविमा भएको कार्यक्रममा कक्षा द, ९ र १० मा अध्ययनरत विद्यार्थीहरूसंग अन्तरिक्रया पनि भएको थियो। कार्यक्रममा मञ्जु सापकोटा.र सुदिप पाण्डेले सहजीकरण गरेका थिए। कार्यक्रममा जलवायु परिवर्तन, परिवर्तनबाट परेको असर, वातावरणीय ग्रभाव, वातावरण संरक्षणका

Monday, January 3, 2011 सोमबार, १९ पुस २०६७

हेटौंडा सन्देश

जलवायू परिवर्तनको

सन्देश बोकेर नाष्ट

टोली हेटौंडामा

• सन्देश संवाददाता '

हेटौंडा, १४ पुस विश्व के चासो बनेको जलवाय परिवर्तन सम्बन्धि जानकारी दिने उद्देश्यले नेपाल विज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठानको टोली बुधबार हेटौंडा आइपगेको छ ।

गत पुस २ गते पोखराबाट सुरु भएको देशव्यापी अभियानका कममा १५ औं जिल्लाको रुपमा नाष्ट टोली हेटौंडा आइपुगेको हो । टोलीले हेटौंडा-४ करां स्थित श्रमिक उच्च माविमा अन्तरिर्वियात्मक कार्यक्रम गरी बिद्यार्थीहरुलाई जलवायू परिवर्तनसम्बन्धि जानकारी प्रदान गरेको छ ।

नाष्ट अन्तर्गतको नेपाल जलवायू परिवर्तन ज्ञान व्यवस्थापन केन्द्रले घुम्ती पुस्तकालयको नाम दिएर देशव्यापि। अभियान सुरु गरेको नाष्ट प्रवर्द्धन महाशाखा प्रमुख रिमला राउतले बताइन् । टोलीले हरेक जिल्लाका एक सरकारी विद्यालयमा जलवायू परिवर्तनवारे जानकारीका लागि अन्तर्कियात्मक कार्यक्रम गरेको हो ।

टोलीमा नाष्ट्रका मनज् सापकोटा, सुदीप पाण्डे र हरिराम श्रेष्ठ सहभागी छन्। नाष्टले जलवायू परिवतन सम्बन्धि जनचेतना फैलाउने उद्देश्यले देशव्यापी कार्यक्रम गरको सापकोटाले वताह्य ।

टोलीले विभिन्न सरकारी विद्यालयमा जलवाय परिवर्तन सम्बन्धि फ्लेक्स प्रदर्शनी तथा हाजिरीजवाफ प्रतियोगितासमेत संचालन गरेको थियो।

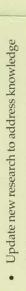


जलवायु परिवर्तन चेतनाका लागि घुम्ती पुस्तकालय

हेटौँ डा / मे चीदेखि महाकाली अभियान अन्तरगत जलबायु परिवर्तन चेतनाका लागि घुम्ती पुस्तकालय बुधवार हेटौँडामा सञ्चालन गरिएको छ ।

पुष २ गतेदेखि शुरु भएको अभियान अन्तरगत नेपाल बिज्ञान तथा प्रविधि प्रज्ञा प्रतिष्ठान (नाष्ट)लिलतपुरले कार्यक्रम आयोजना गरेको हो । हेटौँडाको श्रमिक माबिमा आयोजित कार्यक्रममा कक्षा ८, ९ र १० मा अध्ययनरत बिद्यार्थीहरुसँग अन्तरिक्रया समेत गरिएको थियो । कार्यक्रममा मञ्जु सापकोटा र सुदिप पाण्डेले सहजिकरण गर्नुभएको थियो ।

कार्यक्रममा जलवायु परिवर्तन, परि वर्तनबाट परेको प्रत्यक्ष-अप्रत्यक्ष असर, वातावरणीय प्रभाव, वातावरण संरक्षणका लागि मानवीय दायित्व विषयमा छलफल भएको थियो ।



- Provide advisory services for policy and
- Organize workshop, forums and other interaction programmes. development planning.
- · Facilitate access to climate change related data and information.

OPENING HOURS

Sunday to Thursday 10.00 AM to 4.00 PM / Friday 10.AM to 3.00 PM

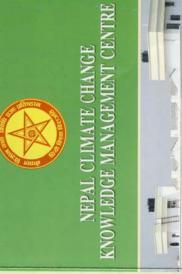
Closed on public holidays

LOCATION













纏

DFID







Nepal Academy of Science and Technology Khumaltar, Lalipur, Nepal Fax: 977 – 01- 5547713

Phone: 01- 5547714, 5550813 Email: info@nast.org.np; climate@nast.org.np www.nast.org.np

Nepal Climate Change Knowledge Management Centre

BACKGROUND

Climate change has been a global concern today. No habitat under-water, nor eco-tone in the mountain belts, is being spared by the effects of impeding global warming. Glaciers are melting, plains inundating, and vegetation zones shifting, while the food scarcity is looming around- all at once and at alarming and unprecedented rate. Obviously nations are much alarmed seeking measures of adaptation and/or mitigations. For its fragile mountain ecosystem and widespread poverty, Nepal is among the most vulnerable countries to the climate change. Its institutional capacity to adapt this vulnerability is yet to strengthen.

Knowledge is sin qua non to cope up with the challenges posed by climatic factors. All around the globe, scientists, managers and policy makers are generating information. These, however, are inadequate and scattered that demands persistent efforts in building our knowledge system based on empirical data as well as indigenous wisdom and managing them for effective storage and dissemination. There also lacks coordination between working institutes on climate change and issues related to this matter. Addressing this weaknesses and gaps to deliver required knowledge and

information, establishment of a dedicated institute is, thus, not only relevant but an essential requirement.

Nepal Climate Change Knowledge Management Centre (NCCKMC) has been created by a collaborative effort of Nepal Academy of Science and Technology and Ministry of Environment. The Centre is set-up under the expanded process of National Adaptation Programme of Action (NAPA) in Nepal (2008-2010), which is being supported by DANIDA, UK DFID, GEF and UNDP Nepal.

GOAL

To serve as a platform for coordinating and facilitating the regular generation, management, exchange and dissemination of climate-related knowledge and capacity building services to a multi-stakeholder climate change community of practice in Nepal.

MISSION

NCCKMC is to serve as a dedicated institutional arrangement for managing climate change knowledge in Nepal.

VISION

To establish a strong and effective knowledge management centre which will ensure the production and dissemination of climate change knowledge information in the country, strengthen the capacity of various stakeholders

by providing them with the required information to respond to challenges posed by climate change.

OBJECTIVES

- To enhance public access to climate change and related information in order to build their capacities to address the challenges posed by climate change.
- To strengthen collaborative and interdisciplinary climate change research in Nepal.
- To facilitate interface between scientific research and policymaking, decision making processes and development planning.

SERVICES

- Conduct an inventory of available collection at the climate change resource centers.
- Coordinate with a network of climate change knowledge providers and users.
- Organize learning events that encourage knowledge sharing and awareness raising.
 Popularize and/or translate materials/
- documents into local language.

 Develop focal points for climate change.
- Providing clearing house service for climate change related research and dissemination.
- Build capacity of different institutions professionals through training/workshop/research grants/fellowship visiting experts program etc.





CERTIFICATE OF APPRECIATION

Nepal Academy of Science and Technology

Nepal Climate Change Knowledge Management Center an initiative in parternership with Ministry of Environment and Supported by DANIDA, UK DFID, GEF, UNDP Nepal

hereby appreciates the valued contribution of

in organizing

Mobile Library for Climate Change Awareness
as a co-ordinator of the program
held on Dec.

in

Nepal

Dr Dinesh R Bhuju

Chief, Faculty of Science Team Leader/NCCKMC Purushottam Ghimire

Joint Secretary, Ministry of Environment and National Project Director, NAPA



Nepal Academy of Science and Technology Nepal Climate Change Knowledge Management Center In parternership with Government of Nepal, Ministry of Environment

ernership with Government of Nepal, Ministry of Environmen Supported by DANIDA, UK DFID, GEF, UNDP Nepal

CERTIFICATE OF PARTICIPATION

s	varticipated in Climate Quiz organized by Mobile Library for Climate Change Awareness on	at at	team.	287.87
This is to certify that Mr/Ms	participated in Climate Quiz organized b		He/she was member of	



Dr Dinesh R Bhuju Chief, Faculty of Science Team Leader/NCCKMC

37



Nepal Climate Change Knowledge Management Center is set up at NAST in partnership with the Ministry of Environment and support of DANIDA, DFID UK, GEF and UNDP Nepal. With the mission to serve as a dedicated institutional arrangement for managing climate change knowledge in Nepal, NCCKMC is envisaged to become a platform for coordinating and facilitating the regular generation, management, exchange and dissemination of climate-related knowledge and build public awareness on climate change.

NCCKMC Mobile Library for Climate Change Awareness (Dec 17, 2010 -Jan 06, 2011) A nationwide campaign to build awareness on climate change and its impacts from Jhapa to Kanchanpur, Nepal

Nepal Academy of Science and Technology

GPO Box 3323 Kathmandu Tel. 01 5550813; Fox. 977 1 5547713 e-mail: climate@nast.org.np; www.nast.org.np

- छोटो समयको लागि कुनै ठाउँको वायुमण्डलको अवस्थालाई मौसम भनिन्छ ।
- लामो समय सम्मको औसत मौसमलाई जलवायु भनिन्छ । याम अनुसार हुने घटनाहरू जस्तै वर्षायाममा पानी पर्ने, जाडो याममा चिसो हुने जस्ता कुराहरूलाई जलवायु मान्न
- -सन् १९९० को दशक अहिलेसम्मको सबैमन्दा तातो दशक हो र सन् २००५ लाई सबैभन्दा गर्मी वर्ष मानिएको छ । -सन् २९०० को अन्तसम्ममा पृथ्वीको औसत तापऋम 1.4 देखि 5.8 ढिग्री सेल्सियसले बढ्ने अनुमान
- -नेपाल वर्षेनि 0.06 डिग्री सेल्सियसको दरले तातो
- -विश्वभरी उत्पादन हुने हरितगृह ग्याँसको मात्रामध्ये केवल 0.025 प्रतिशत भागमात्र नेपालले उत्पादन गर्दछ । - प्रवास क्षेत्रका नागमत्र नेपालक उत्पादन नेपक । - प्रवास होत्र क्षेत्रकाना दुले क तर हासे क्रियाकलायको कारण यसमा दुले प्रमाव पर्न सक्क । -वैज्ञानिकहरूका अनुसार विश्वको कुल पंगलको एक तिहाई भाग जलवायु परिवर्तनका कारण प्रमावित हुन सक्कन् ।
- -जातवायु परिवर्तन मानव सम्यताका सबै पद्महरूलाई असर
- पुन्याउँछ । आउँदो सताब्दीमा समुन्दी सतह केही इन्पदेखि ३ फिटसम्म
- नेपालमा २३०० भन्दा बढी हिमनदी तथा २०० भन्दा बढी
- हिमतालहरू छन् । नेपालमा हिमाली क्षेत्रमा रहेका हिमताल मध्ये २० वटा कुनै पनि समय फुट्न सक्ने अवस्थामा छन् ।

-हामीले अहिलेदेखि नै प्रयास गर्ने हो भने भूगण्डलीय उष्णकिरण र जलवायु परिवर्तनको असर कम गर्न सकिन्छ । क्योटो सन्विपत्र एक कानुन वाध्यकारी दस्तावेज हो । यसले विकसित र औद्योगिक राष्ट्रहरूलाई हरितगृह ग्याँस उत्सर्जन कम गर्न निर्देशन र लक्ष्य दिएको छ ।

जलवायु परिवर्तनका असरहरू

- जलसोत : पानीको बाँडफाँडमा परिवर्तन ; पानीको गुणस्तरमा कमी ; खडेरी/सुख्डायाम बढ्नु ; बाढी पहिरोको प्रकारमा वृद्धि ।
- कृषि : खाद्यान्न उत्पादनको मात्रामा कमी ; सिंचाईको माग बदनु ; फार तथा बाली नाशक कीराहरूको प्रकोप बदनु । जैविक विविधता : आश्रय स्थलको द्वास ; जलचरमा असर ; प्रजातिहरू लोप हुनु ।

चल्नु ; बाढी-पहिरोमा वृद्धि ; ठूला जाँधी तथा हुरिबतासमा

- ५ जनसंख्या बवी मृत्युवर ; वातावरणीय शरणार्थीमा वृद्धि ; बव्दो बसाई सराई ।
- पूर्वः , व्ययः वर्षाः । दे बढाउडिज्याः चनावन्तरुको क्षेत्र तथा संस्थना परिवर्तन ; बनजब्गल मास्टि जानु ; पुख्खा र वन बढेलेको प्रकोप । ; बन्यजनुको प्रजाति तथा वासस्थानमा इस । ७. राजुद्धको सत्तरः समृद्धको सतहमा वृद्धि ; होबा समृन्दी
- उत्पादक राष्ट्रिक सुन् ।
 ट. नातवा राण्ट्रक सुन ।
 ट. नातवा राण्ट्रक सुन ।
 ट. नातवा राण्ट्रक सुन ।
 ट. नातवा राण्ट्रक राण्ट्रक राण्ट्रक राण्ट्रक प्रकार वृद्धिक मृत्यु दर बद्यु ; वायाम र खाने पानी आपूर्तिमा सामरवा ; नागो र होबो केम्मा पाइने रोण्ट्रक दिस्तो र उच्च क्षेत्रमा पाइनु ; स्वासप्रस्वास सम्बन्धी रोण्ट्रकको वृद्धि ; समुदी बाडीले वरिपरिको पानी प्रदुषण ।