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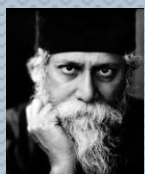


36th INCA INTERNATIONAL CONGRESS

on

CARTOGRAPHY FOR ANALYSIS AND MANAGEMENT OF CLIMATE CHANGE

9 – 11th November, 2016



Prof. V. C. Jha
President INCA, 2016
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Organised by:

DEPARTMENT OF GEOGRAPHY
VIDYA-BHAVANA (INSTITUTE OF HUMANITIES
AND SOCIAL SCIENCES)
VISVA-BHARATI (A Central University)
SANTINIKETAN-731235
WEST BENGAL, INDIA



Visva-Bharati represents India where she has her wealth of mind which is for all. Visva-Bharati acknowledges India's obligation to offer to others the hospitality of her best culture and India's right to accept from others their best.

Rabindranath Tagore

SANTINIKETAN - THE VENUE OF 36th INCA INTERNATIONAL CONGRESS - 2016

Santiniketan (Abode of Peace) is the place where Visva-Bharati, now a Central University of national and international repute, was originally initiated by Rabindranath Tagore as an unique institution of learning. The immortal poet who viewed environment as a part of very existence of human civilization and always believed in sustainable ecological development. Located in Birbhum district of West Bengal, about 165 km from the city of Kolkata, Santiniketan can be reached by road / railways. The nearest International airport is Netaji Subhas Chandra Bose International Airport about 20 km from Howrah Railway Station connected by regular public transport services. There are two other railway stations in the city (i.e. Sealdah and Kolkata located very near to Howrah). For the delegates from north-eastern states, from New Jalpaiguri (NJP) station located in North Bengal a number of trains are available.

FOCAL THEME

For more than a decade, climate change as an issue has attracted the attention of the world influencing the decision making in various spheres of development. A number of green house gases have been identified, the phenomenal increase of whom is directly responsible for the rise of air temperature. With global warming, behaviour of various events has been adversely affected and climate change becomes so important that an Intergovernmental Panel on Climate Change (IPCC) came into functioning based on international consensus in addressing this controversial issue with a series of assessment reports. Cartography as a science of map making is gradually getting importance for analysis and management of climate change in recent years, particularly after the advancement of Digital Cartography.

Climate change affects all ecosystems e.g. agro-ecosystem, river ecosystem, marine ecosystem, forest and grassland ecosystem and consequently appears as severe threat to the life support systems. Cartography has a vital role to play in vulnerability assessment of various threats arising from changes of various elements of weather and climate in spatial context. It is not only essential to map the rising sea level but also to forecast the future by generating Digital Elevation Model (DEM) with the application of Geo-spatial Technology. Particularly in GIS domain, Cartography has in fact a lot of options in depicting the impacts of climate change.

Climate change is now considered as the greatest single threat faced by human society. Rise in sea level and consequent flooding of the lower areas are among the conspicuous outcomes resulting from temperature changes often referred to as global warming. Inundation of islands and lower coastal areas happen not only due to melting of polar ice caps but also because of thermal expansion of sea water at the surface level. A warmer climate also increases precipitation in various areas resulting in devastating floods. Population of coastal areas worldwide becomes the most affected from frequent storm surges. It seems almost impossible in future to save the islands like Maldives or low lying areas worldwide like Netherlands. Planned retreat is suggested as its mitigation which is a challenging task. Cartography is essential for sensitization of the stakeholders on advancement of sea and subsequent inundation scenario in order to strengthen the preparedness on rehabilitation and its execution.

It is noteworthy that greenhouse gas concentrations in the atmosphere which is blamed responsible for trapping the heat have been naturally rising and falling for billions of years. Equilibrium prevailed in this context as evident from the assumption of cold and warm periods in earth's history. Out of unending desire for enjoying better life, as the modern society is artificially increasing greenhouse gases emissions, the equilibrium is disturbed and the dynamics of world climate system is altered. The nightmare scenario arising out of its ill-effects throughout the world has increased the urge for making strategies to cope with climatic disasters. Cartography has already established itself as an integral part of the domain concerning the analysis and management of climate change by virtue of the skills acquired by Cartographers on digital mapping with the advancement of the subject.

There is however another side of climate change apart from its well-known detrimental effects. New opportunities arise in agricultural sector from temperature changes particularly in colder regions as well as in the field of industries with evolving green and energy efficient technologies. New horizons in the field of research have opened up consequently bringing more investment, employment and income which may be termed as the opportunity side of climate change. 36th INCA - 2016 is the platform to discuss on climate change aspect from the stand points of its analysis and management with reference to the valuable role of Geographers, Scientists and Cartographers, Administrators, Planners, decision and policy makers and the like.

SUB-THEMES

36th INCA International Congress will focus on several sub-themes-

- 1. CARTOGRAPHY FOR SPACESHIP EARTH**
- 2. CONCEPTUALIZING MAPS AND APPLICATION OF GEO-SPATIAL APPROACH IN CLIMATE CHANGE STUDIES**
- 3. EVOLUTION AND APPRECIATION OF ENERGY MANAGEMENT AND GREEN TECHNOLOGIES**
- 4. MAPPING OF POLLUTION, POPULATION AND NATURAL RESOURCES**
- 5. GEOMORPHOSITES, CLIMATE CHANGE AND VULNERABILITY**
- 6. GEOHYDROLOGY, SOILS AND FLUVIAL DYNAMICS**
- 7. CARTOGRAPHY FOR LAND DEGRADATION AND DESERTIFICATION**
- 8. MOUNTAIN CARTOGRAPHY AND DEGLACIATION**
- 9. MILITARY CARTOGRAPHY AND MITIGATING CHALLENGES**
- 10. ENVIRONMENTAL POLITICS ON CLIMATE CHANGE**
- 11. AGRICULTURE AND CARTOGRAPHY**
- 12. CLIMATE CHANGE MANAGEMENT IN COASTAL AND URBAN INDUSTRIAL AREAS**
- 13. CHANGING RURAL AND URBAN GEOGRAPHY**
- 14. TOURISM INDUSTRY ISSUES AND CHALLENGES FROM CLIMATE CHANGE**
- 15. DYNAMICS OF SOCIO-CULTURAL ENVIRONMENT ADOPTING CLIMATE CHANGE**
- 16. CLIMATE CHANGE, SUSTAINABILITY ISSUES AND DEVELOPMENT PLANNING**
- 17. GEO-SPATIAL TECHNOLOGY AND LARGE SCALE MAPPING**
- 18. CARTOGRAPHY AND SCHOOL EDUCATION**

INDIAN NATIONAL CARTOGRAPHIC ASSOCIATION EC MEMBERS, 2016

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CO-PRESIDENT

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LOCAL ORGANISING COMMITTEE

1	Prof. Swapan Kumar Datta Vice-Chancellor (Upacharya) (Offg.)	Chairman
2	Pro- Vice-Chancellor	Vice-Chairman
3	Prof. V. C. Jha	President INCA, 2016 and Convener
4	Prof. Uma Sankar Malik	Organising Secretary
5	Dr. Gopal Chandra Debnath	Treasurer
6	<ol style="list-style-type: none"> 1. Prof. Tapati Mukhopadhaya 2. Prof. Sabujkoli Sen 3. Dr. Debashis Chakrabarty 4. Dr. Mani Mukut Mitra 5. Prof. Sudendhu Mandal 6. Prof. Dilip Mitra 7. Prof. Madhabi Ruj (Ghosh) 8. Prof. Dulal Pal 9. Prof. Kailash Pattnaiak 10. Shri A.P. Trivedi 11. Dr. Prashant Meshram 12. Prof. Sumantro Mukherjee 13. Prof. Debasish Das 14. Prof. Malay Mukhopadhyay 15. Prof. Sutapa Mukhopadhyay 16. Dr. Manjari Bhattacharji 17. Dr. Premangshu Chakrabarty 18. Dr. Krishnendu Gupta 19. Shri Bhairu Lal Yadav 20. Smt. Sudipta Sarkar 21. Dr. Bhaskar Das 22. Dr. S. N. Ojha 23. Dr. Amrendra Kumar 24. Dr. Abhijeet Banerjee 25. Dr. Umesh Kumar Singh 26. Dr. Subhash C Roy 27. Dr. Anil Kumar 28. Dr. Sujit Kr. Pal 29. Shri Anirban Sircar 30. Shri Ashok Kumar Mahato 31. Dr. Punnya Brata Hazra 32. Dr. Sucheta Mukherjee 33. Dr. Utpal Mandal 34. Shri Somit Mandal 35. Dr. Mausumi Bhattacharya 36. Shri Abhijeet Sengupta 37. Shri Chandan Kumar Das 38. Shri Swasti Vardhan Mishra 39. Shri Mohammad Arif 	Members

REGISTRATION

Interested participants are requested to register by sending the registration form [downloadable from the website] duly filled along with the registration fee to the Organising Secretary by September 30, 2016.

Participant	Before October 1, 2016		After October 1, 2016	
	INR	USD(\$)	INR	USD(\$)
Delegates including INCA Life Members (up to 65 years)	2500	150	3000	200
Accompanying Person	2500	150	3000	200
Research Fellow/ Students / (Presenting Papers/Posters)	1500	125	2000	150
INCA Life Members above 65 years	1500	125	2000	150

For Research Fellow/Students, a certificate from Head of the Department/ Institution is required for availing the subsidised registration fee. The fee should be paid by demand draft drawn from any nationalised bank in favour of “**36TH INCA INTERNATIONAL CONGRESS 2016**” payable at Santiniketan or **preferably by Electronic Transfer/ NEFT/ RTGS** (document of which to be produced at registration counter in the venue while accepting registration materials) in the following account-

Account Name	36TH INCA INTERNATIONAL CONGRESS 2016
Name of the Bank	State Bank of India
Branch Name and Code	Santiniketan , 02121
Current Account No.	00000035574686369
Address of the Bank	Santiniketan, West Bengal
IFS Code	SBIN0002121
MICR No	731002003

Delegates who require accommodation are advised to arrange their accommodation at Santiniketan consulting hotel/lodge website directly. However the delegates wishing to book their accommodation through 36th INCA Organising Committee should convey their requirement and pay the accommodation charge along with registration fee, as instructed in the registration form. The organising committee will arrange their accommodation based on its availability (first come first serve basis).

Accommodation may be available in the University Guest Houses as well as in Hotels. Information about the accommodation in assorted list of Hotels and University Guest Houses are given below.

HOTELS IN BOLPUR - SANTINIKETAN

Sl. No.	Name of the Hotel	Name of the Contact Person	Contact No.	Room Type	Tariff (INR)
1.	Hotel Royal Bengal	Reservation	9007982002	AC Deluxe Double Bedded	1550.00
				Non AC Std	1050.00
2.	Santiniketan Tourist Lodge	Mr. Raju Singh, Manager	9732100920	AC Deluxe Double	2500.00
				AC Standard Double	2000.00
				Non AC Large Double	1100.00
				Non AC Standard Double	900.00
3.	Hotel Kharimati	Manager	9874149146	AC Double Bed	2000.00
				Non AC Double Bed	1200.00
4.	Chutti Resort	Mr. Gautam Samanta	03463-252692	AC Double Bed	2672.00
				Non Double Bed	1794.00
5.	Banshori	Mr. Debasis Pal	9475036123	AC Double Bed (First Floor)	2100.00
				AC Double Bed (Ground Floor)	1575.00
6.	Monorama Guest house	Mr. Tapas	9732277920	Double Bed AC	1500.00
				Double Bed Non AC	1200.00
7.	Hotel Rangamati	Manager	9830175081 / 9474309784	AC Deluxe Double Bed	1550.00
				Deluxe Standard AC Double	1450.00
				Deluxe Non AC Double	1250.00
8.	Lodge Ashirbad	Manager	9775225778/ 9679860366	Non AC Ordinary to AC Super Deluxe	600.00-1300.00
9.	Mark and meadows Resort	markandmeadows@gmail.com	9332039096 / 9434007777	Deluxe to Family Suite-2	2751.00 – 16146.00
10.	Camellia Hotel Santiniketan	Camellia Group, Prantik	(03463) 262043 /44/45	----	---

UNIVERSITY GUEST HOUSES

Sl. No	Name of University Guest House	Single Bedded		Double Bedded		Triple Bedded		Four Bedded		Six Bedded Dormitory (Per Bed)		Sixteen Bedded Dormitory (Per Bed)		Twenty Six Bedded Dormitory (Per Bed)
		AC	Non-AC	AC	Non-AC	AC	Non-AC	AC	Non-AC	AC	Non-AC	AC	Non-AC	Non-AC
1	Purbapally Guest House (PPGH)	--	200/-	850/-	--	900/-	400/-	950/-	500/-	--	100/-	--	100/-	--
2	SAIL Guest House (SGH)	500/-	--	800/-	--	--	--	--	--	--	--	--	--	--
3	Sriniketan Guest House (SRINIKETAN)	--	--	--	--	--	--	1000/-	--	--	--	--	--	--
4	International Guest House (INGH)	--	--	--	300/-	--	--	--	--	--	--	--	--	100/-

MEMBERS OF THE SUB-COMMITTEE

Sl no	Name of the Sub-Committee	Members
1	VENUE & EXHIBITION	Prof. U. S. Malik, Dr. Mausumi Bhattacharya, Bratin Roy, Sudipta Sarkar
2	LOGISTICS	Dr. Krishnendu Gupta, Dr. Abhijit Banerjee, Anirban Sircar, Chandan Kumar Das
3	REGISTRATION	Dr. Manjari Bhattacharjee, Sudipta Sarkar, Dr. Sucheta Mukherjee
4	CULTURAL PROGRAMMES	Prof. Sumantro Mukherjee, Prof. Malay Mukhopadhyay, Prof. Sutapa Mukhopadhyay, B.L. Yadav, Sudipta Sarkar
5	HOSPITALITY	Prof. D. Das, Avijit Banerjee, Anirban Sircar, Dr. Krishnendu Gupta, Dr. Samit Mandal
6	ACADEMIC PROGRAMME	Prof. Sutapa Mukhopadhyay, Dr. S. N. Ojha, Dr. Premangshu Chakrabarty, Dr. Umesh Kumar Singh, B. L. Yadav, Dr. Bhaskar Das
7	PROGRAMME, PUBLICATION & COORDINATION	Dr. S.N.Ojha, Prof. U. S. Malik, Prof. Sujit Pal, Dr. Premangshu Chakrabarty, Dr. Mausami Bhattacharya, Dr. Kasinath Bhattacharjee, Sumanto Karmkar, Dr. Sucheta Mukherjee, Dr. Bhaskar Das, Sujay Lahiri, Md. Arif, Swasti Vardhan Mishra
8	FINANCE & PROCUREMENT	Prof. U. S. Malik, Dr. G.C. Debnath, Dr. Amrendra Kumar, Dr. K. Gupta

IMPORTANT DATES

1.	Submission of abstract	31 st August, 2016
2.	Acceptance of abstract	15 th September, 2016
3.	Sending Registration fee with full paper	30 th September, 2016
4.	Mail address for sending abstract	incaorganizingsec16@gmail.com

Note- No abstract will be published in abstract volume without the receipt of the registration fee before 01.10.2016.

CONTACT PERSONS

1.	Prof. Uma Sankar Malik, Organising Secretary	Department of Geography, Visva-Bharati, Santiniketan- 731235, E-mail: incaorganizingsec16@gmail.com, M- +91 9474711162
2.	Dr. Gopal Chandra Debnath, Treasurer	Department of Geography, Visva-Bharati, Santiniketan- 731235, E-mail: inca36treasurer@gmail.com M-+91 9674261980

TRAIN CONNECTIVITY FOR BOLPUR - SANTINIKETAN



Time Table between Bolpur-Santiniketan and Howrah/ Sealdah/ Kolkata (via Bardhaman)

To Bolpur -Santiniketan

Train No.	Train Name	From	Dep	Arr
13017	Ganadevta Exp.	Howrah (HWH)	06:05	08:44
15657	Kanchanjunga Exp.	Sealdah (SDAH)	06:35	09:14
13187	Maa Tara Express	Sealdah (SDAH)	07:25	10:33
13053	Howrah - Siuri Intercity Exp.	Howrah (HWH)	08:35	12:00
12363	Kolkata - Haldibari Sup. xp.	Kolkata (KOAA)	09:05	11:28
12337	Shantiniketan Exp.	Howrah (HWH)	10:10	12:25
12509	Bengaluru Cantt. - G...Exp	Howrah (HWH)	11:15	13:18
12513	Secunderabad - Guwah Exp	Howrah (HWH)	11:15	13:18
12515	Thiruvananthapuram Exp	Howrah (HWH)	11:15	13:18
12347	Howrah - Rampurhat Exp	Howrah (HWH)	11:55	14:16
13161	Tebhaga Exp.	Kolkata (KOAA)	12:55	15:20
15901	KSR Bengaluru - Exp.	Howrah (HWH)	14:15	16:24
12041	Howrah - New Jalpaig.Exp	Howrah (HWH)	14:15	16:03
12345	Saraighat Express	Howrah (HWH)	15:50	17:53
53047	Viswabharati Fast Pass	Howrah (HWH)	16:40	19:50
13147	Uttar Banga Exp.	Sealdah (SDAH)	19:35	22:17
13023	Howrah - Gaya Exp.	Howrah (HWH)	19:50	22:37
13149	Kanchan Kanya Exp.	Sealdah (SDAH)	20:30	23:12
13159	Kolkata - Jogbani Ex...	Kolkata (KOAA)	20:55	00:45
13133	Sealdah - Varanasi Exp	Sealdah (SDAH)	21:15	00:01
13119	Sealdah - Delhi Exp.	Sealdah (SDAH)	21:15	00:01
13071	Howrah - Jamalpur Exp.	Howrah (HWH)	21:35	23:39
22511	Mumbai LTT - Kamakh Exp.	Howrah (HWH)	21:55	00:45
12343	Darjeeling Mail	Sealdah (SDAH)	22:05	00:28
13153	Gour Express	Sealdah (SDAH)	22:15	01:57
13027	Howrah - Azimganj Exp.	Howrah (HWH)	22:40	01:30
12377	Padatik Express	Sealdah (SDAH)	23:15	01:45

From Bolpur -Santiniketan

Train No.	Train Name	From	Dep	Arr
13024	Gaya - Howrah Exp.	Bolpur (BHP)	00:11	03:40
23154	Balurghat - Sealdah Exp.	Bolpur (BHP)	01:22	05:20
13072	Jamalpur - Howrah .Exp.	Bolpur (BHP)	02:29	05:30
12346	Saraighat Exp.	Bolpur (BHP)	02:48	05:10
12344	Darjeeling Mail	Bolpur (BHP)	03:15	06:00
13150	Kanchan Kanya Exp.	Bolpur (BHP)	05:02	08:15
13134	Varanasi - Sealdah Exp.	Bolpur (BHP)	07:18	10:55
13120	Delhi - SealdahExp.	Bolpur (BHP)	07:18	10:55
13012	Malda Town -Howrah Ex	Bolpur (BHP)	08:14	11:25
13162	Tebhaga Express	Bolpur (BHP)	11:20	14:25
22512	Kamakhya - Mumi LT Ex.	Bolpur (BHP)	11:20	14:15
12374	Rampurhat - Sealdah Ex	Bolpur (BHP)	11:57	14:40
12338	Shantiniketan Exp.	Bolpur (BHP)	13:10	15:40
13188	Maa Tara Exp.	Bolpur (BHP)	15:07	18:45
15658	Kanchanjunga Exp.	Bolpur (BHP)	16:12	19:25
12364	Haldibari - Kolkata Exp.	Bolpur (BHP)	16:49	19:40
12348	Rampurhat - Howrah Exp.	Bolpur (BHP)	17:38	20:15
53042	Jaynagar - Howrah Pass	Bolpur (BHP)	17:51	23:00
13018	Ganadevta Exp.	Bolpur (BHP)	18:29	21:45
13054	Siuri - Howrah InExp.	Bolpur (BHP)	18:48	22:40
15228	Muzaffarpur-Yesvant.Exp.	Bolpur (BHP)	19:32	22:55
12510	Guwahati -B engaluruExp	Bolpur (BHP)	22:02	00:45
12508	Guwahati - Thiruvan.Exp.	Bolpur (BHP)	22:02	00:45
12516	Guwahati-Tiruvanant.Exp.	Bolpur (BHP)	22:02	00:45
12514	Guwahati- Secunder.Exp.	Bolpur (BHP)	22:02	00:45
15902	New Tinsukia - KSR Exp.	Bolpur (BHP)	22:02	00:45
13160	Jogbani - Kolkata Exp.	Bolpur (BHP)	23:46	03:20



36th INCA INTERNATIONAL CONGRESS

On

CARTOGRAPHY FOR ANALYSIS AND MANGEMENT OF CLIMATE CHANGE

9th to 11th November, 2016

Registration Form

PERSONAL DETAILS

NAME: _____

GENDER: Male / Female

DATE OF BIRTH: ___ / ___ / _____

POSITION/DESIGNATION: _____

ORGANISATION / INSTITUTION: _____

NO. OF ACCOMPANYING PERSON/S: _____

MEMBER OF INCA? (YES/NO): _____ IF YES, MEMBERSHIP NO: _____

ACCOMODATION (ON PAYMENT BASIS) REQUIRED: YES/ NO. TYPE: GUEST HOUSE / HOTEL
IF YES, PLEASE MAIL TO inca36treasurer@gmail.com (CONTACT +91 9674261980/
+91 9230467468) BY 30.09.2016 DEPOSITING THE ADDITIONAL AMOUNT FOR
ACCOMMODATION WITH REGISTRATION FEE.

CONTACT DETAILS

ADDRESS: _____

CITY: _____ STATE: _____

PIN:

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PHONE (OFFICE): _____ (RES.): _____

MOBILE: _____

E-MAIL: _____

PAPER: ORAL / POSTER SUBMISSION DETAILS

ARE YOU PRESENTING PAPER: (YES/NO): _____ (ORAL / POSTER)...

PAPER TITLE: _____

SUB-THEME: _____

MODE OF PAYMENTS

AMOUNT (in INR): _____

DEMAND DRAFT/ BANK TRANSFER RECEIPT NO: _____ DATE: ___ / ___ / _____

BANK NAME: _____

BRANCH NAME & PLACE: _____

PLACE & DATE _____

MAIL TO: Prof. Uma Sankar Malik, Organising Secretary,
36th INCA International Congress
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Santiniketan- 731235,
E-mail: incaorganizingsec16@gmail.com,
M- +91 9474711162

Signature