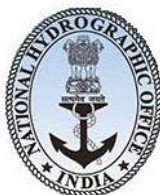


First Circular

**42nd INCA INTERNATIONAL CONGRESS
ON
DIGITAL CARTOGRAPHY TO HARNESS BLUE ECONOMY
09-11 NOV 2022**

National Hydrographic Office, DEHRADUN



ORGANISED BY

**NATIONAL HYDROGRAPHIC OFFICE
107-A, RAJPUR ROAD,
POST BOX NO 75
DEHRADUN -248001**



42nd INCA INTERNATIONAL CONGRESS - 2022

LOCAL ORGANISING COMMITTEE

CHIEF PATRON :

Vice Admiral Adhir Arora, NM

Chief Hydrographer to the Govt. of India

PATRON :

Rear Admiral LS Pathania

Joint Chief Hydrographer

CHAIRMAN:

Commodore Peush Pawsey

ORGANISING SECRETARY:

Captain Kuldeep Singh

TREASURER:

Dr. R.A.Prasad

EDITOR:

Dr. B.K.Ramprasad

NATIONAL ADVISORY COMMITTEE

| | | |
|---|---|--|
| Prof. Ashutosh Sharma Secretary, Mo S&T | Sh. PS Acharya CEO- NSDI | Shri Saroj Kumar Patel Director, IRDE |
| Shri Rajiv Gauba, Secretary, MoUD | Shri Rajesh Mathur Advisor & President, ESRI | Sh. S.Prasanna Kumar Director, NIO |
| Dr. M.Rajeevan Secretary, MoES | Dr. M P Narayana President, CSDMS | Dr. Ravinchandran Director, NCAOR |
| Sh. Amarjeet Sinha Secretary, MoRD | Dr. V.M.Tiwari Director, NGRI | Dr. R.S.Pundir Director, DEAL |
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| Prof.Ved Prakash Chairman, UGC | Dr. Y.V.N.Krishna Murthy Director, NRSA | Dr. V K Dadwal Senior Ex- President, INCA |
| Sh. A.S.Kiran Kumar Chairman, ISRO | Sh. Harbans Lal Director General, GSI | Prof. Dr. VC Jha Principal Vidya Bhavan Visva-Bharati Santiniketan West Bengal |
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| Prof. Dr. P.K.Garg Vice Chancellor UTU | Dr. M.V.Shankar Director General Shipping | Dr. P K Srivastwa Ex- President, INCA |
| Dr. P Nag Vice Chancellor, MGKV | Sh.J.S.Chauhan Director General, DGLL | Maj Gen (Retd) M.K. Tayal Ex-President, INCA |
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| Prof. G.C.Tripathi Vice Chancellor Banaras Hindu Univ | Prof Surya Kant Ex- President, INCA | |

42nd INCA International Congress First Circular

1. **Invitation.** The National Hydrographic Office, Dehradun, India, has the honour of inviting all the professionals interested in the field of Cartography/GIS and allied subjects as well as various disciplines of their application viz. Geography, Geology, Geophysics, Oceanography, Geo- informatics, Artificial intelligence, Hydro-meteorology, Marine Geomorphology, Coastal Resource Management and Environmental Planning etc. to participate in the forthcoming 42nd International Congress of Indian National Cartographic Association (INCA), being held at Dehradun, Uttarakhand, during **09-11** November 2022.

2. **The Congress.** Indian National Cartographic Association (INCA) is an inter-disciplinary institution originally between Geographers and Cartographers which is now shared by a host of premier public and private bodies. Since its inception, Cartography in India has seen many changes. Re-christened since then as GIS or Geoinformatics, it is today a multifaceted and highly composite broad subject, rolling several disciplines and multi-dimensional association, which was established in 1979 at Hyderabad as its head quarters, with the following aims:

- (a) To foster cartographic research in the country.
- (b) To co-operate with professional organisations of cognate disciplines and to promote interaction within an inter-disciplinary frame.
- (c) To co-operate with International organisations with similar objectives.
- (d) To foster co-operation between government and quasi government organisations, research institutions engaged in cartographic activities and their application.
- (e) To hold an annual cartographic congress at the national or international level.
- (f) To take such measures as may help secure cartography its legitimate place in national life and enhance a sense of national responsibility and professional efficacy among all the professionals and academic people engaged in cartographic activities in its broad sense.

3. **The Host.** The National Hydrographic Office (NHO), a specialised branch of the Indian Navy functions under the Chief Hydrographer to the Govt. of India. The Organisation is a direct descendant of Marine Survey of India founded in 1874 by the British with its office at Kolkata. This Office at its present location in Dehradun was established in 1954 which has

been renamed as the “National Hydrographic Office” (NHO) in 1997. NHO is the national authority for publication of navigational charts and publications essentially required for safe navigation of ships. The NHO provides reliable and updated information for safety of navigation at sea as per SOLAS regulations and for the exploration and exploitation of natural resources/projects of economic importance at sea through detailed surveys and research programmes. It interacts with various agencies at National/International level in the field of Hydrography and Oceanography including Coastal Zone management, environmental protection, on norms laid down by International Hydrographic Organization (IHO). The field surveys areas executed by seven ocean going surveying ships fully fitted with state of the art equipment. Data collected by the ships are thoroughly examined by the experienced Hydrographers/Cartographers at the Dehradun office and published as navigational paper and electronic charts and allied publications meeting the specified IHO standards for the use of the sea going community.

4. **Focal Theme.** The theme for 42nd INCA International Congress is:

“Digital Cartography to Harness Blue Economy”

5. **Sub-Theme.** The deliberation of the congress will be divided into the following sub-themes:

- (a) Trending Cartography – Past, Present and Future
- (b) Modern Precision Surveying & Mapping Tool
- (c) Geospatial solution for sustainable water resource management
- (d) Hydrographic surveys and mapping for coastal zone management
- (e) GIS application for Climate Change and Environmental studies
- (f) Mapping solutions for risk assessment, mitigation measures and disaster management
- (g) Application of Artificial Intelligence tools for Urban planning and resource management

6. **Call for Papers.** Technical research papers/case studies are invited from professionals/ scientists, academicians and research students in the field of Cartography, Geography, marine Geology & Geomorphology, Hydrology, Marine Geophysics, Oceanography, Environmental Science, Meteorology and various marine survey departments. Abstract not exceeding 250 words and full paper not exceeding 10 pages

should be typed neatly on A4 size paper in MS Word with 12 font, in Arial. Digital Copy may be **uploaded online through website www.42inca.org**. **Authors are requested to provide their complete contact address with telephone number, Fax and E-mail on both abstract and full paper. All abstracts (and full papers) should be provided with a foot note indicating the sub-theme for which the paper is to be considered.**

7. Important Dates.

| | |
|--|------------------------|
| Last date for submitting the abstracts: | 20 Jul 2022 |
| Acceptance of paper will be notified by: | 20 Aug 2022 |
| Last date for submission of full paper: | 20 Sep 2022 |
| E-Mail Address for queries: | info@42inca.org |

Note: No Abstract will be published in Abstract volume without the receipt of the registration fee before 30-09-2022.

8. Contact Persons

| | |
|-------------------------------|--------------------------------|
| Capt. Kuldeep Singh | 0135 – 2746290 Ext -116 |
| Mr Rajesh Kumar Khatri | 0135 – 2746290 Ext -132 |

9. Besides technical sessions, there will be Poster presentation Todarmal Lecture, Prof. S.P Chatterjee Memorial Lecture, a Panel Discussion, and a Special Vendor's Session.

10. Best Paper Award. Six best papers presented during the 42nd INCA International Congress will be recognised and suitably rewarded. One best paper presented in the poster session will also be selected for award.

11. Registration. Interested participants are requested to register well in advance by registering online along with the registration fees to the **Organising Secretary**, by 30 September, 2022 **through 42nd INCA website www.42inca.org**. The fee should be paid online.

12. Registration Fee.

| Participant | Indian Delegates | Foreign Delegates | Indian Delegates | Foreign Delegates |
|--|---------------------------|-------------------|------------------------------------|-------------------|
| | Registration by 30 Sep 22 | | Registration on or after 30 Sep 22 | |
| <u>For Physical Participation</u> | | | | |
| Life Member | ₹2500+18% GST= ₹2950 | -- | ₹3000+18%GST= ₹3540 | -- |
| Other Delegates | ₹3000+18% GST=₹3540 | -- | ₹3500+18%GST= ₹4130 | -- |
| #Research Fellow/ Students | ₹1500+18% GST=₹1770 | -- | ₹2000+18%GST= ₹2360 | -- |
| <u>For online Participation</u> | | | | |
| Life Member | ₹1000+18% GST=₹1180 | -- | ₹1500+18GST= ₹1770 | -- |
| Other Delegates | ₹1500+18% GST=₹1770 | US\$ 75+18%GST | ₹2000+18%GST= ₹2360 | US\$ 100+18% GST |
| #Research Fellow/ Students | ₹500+18% GST=₹590 | -- | ₹1000+18%GST= ₹1180 | -- |

*No Kits for accompanying Members,# (without Fellowship who are not getting any financial support),

** Proof from HoD/Guide to be presented.

Registration fee also includes conference kit and catering on the conference days. Student delegates those who are presenting papers as an author, could avail above discounted registration rates. Accompanying registrants and student author will be entitled to participate in all technical and keynote sessions and catering on conference days. However, they will be required to submit authorisation from the concerned Department of University /College/Organisation stating their bonafide status and that they are not employed.

13. Exhibition.

An exhibition of maps, charts, globes, models and cartographic, reprographic, surveying, remote sensing related latest equipment will be organised during the congress at the venue, to encourage interested companies to show case their products and services. This will be of immense benefit for the cartographic community. The exhibition stalls would be allotted on first come first serve basis. As there is limited space, the vendors are requested to book their exhibition space well in advance to avoid disappointment at the last minute. Stalls of size **3 meters x 2 meters** will be available. The charges for all days of the

Congress (09- 11 November 22) would be ₹1,00,000/- for one stall. The booking form is to be filled online with requisite payment in the form of a Demand Draft drawn in favour of **42nd INCA International Congress payable at Dehradun** should be sent to the Organising Secretary before 15-Sep 2022.

2022. Alternately the booking amount **fees can also can be transferred through SBI A/c as per details below:**

The booking request for exhibition stalls will not be confirmed without payment.

14. Cultural Evening. Cultural evening befitting the occasion is also being organised.

15. Souvenir. To commemorate the occasion of the 42nd INCA International Congress, a Souvenir will be brought out and released at the inaugural function by the Chief Guest. It will contain the paper abstracts with coloured and black & white pages to cater for advertisements.

The rates for publishing the advertisements in the souvenir are as under:

| | |
|---|-----------|
| (a) Back Cover(Colour) : | ₹1,50,000 |
| (b) Front/Back Inner Cover(Colour): | ₹75,000 |
| (c) Facing Front/Back Inner Cover(Colour): | ₹60,000 |
| (d) Full Page(Colour): | ₹50,000 |
| (e) Full Page (Black & White): | ₹40,000 |
| (f) Half Page(Black & White): | ₹25,000 |

Intending organisations/institutions/companies may send their requests for booking advertisement space in the Souvenir along with 'ready to print' (required colour separates) /Pdf advertisement material in hard and soft copy and requisite payment in the form of demand draft from any nationalised bank in favour of **“42nd INCA International Congress” payable at Dehradun** or alternately **can be transferred through SBI A/c as per details below:**

| | |
|-------------------------|--|
| Bank Name: | State Bank of India |
| Branch Name: | New Cantt Road, Dehradun |
| Name of Account Holder: | 42nd INCA International Congress |
| Account No: | 36759239449 |
| IFSC Code: | SBIN0060432 |
| MICR No: | 248002038 |

16. Sponsorship Plans. Leading cartography and Remote Sensing agencies, GIS companies, Consulting Organisations, Public Sector Organisations, Govt. Departments, Industries, Instrument Manufacturers and other agencies and individuals are invited to generously sponsor the 42nd INCA International Congress. Detailed sponsorship charges will be as under:

| | |
|-------------------|--|
| Strategic Sponsor | ₹ 7.5 Lakh (with free registration of 7 delegates) |
| Platinum Sponsor | ₹ 5.0 Lakh (with free registration of 5 delegates) |
| Gold Sponsor | ₹ 3.5 Lakh (with free registration of 3 delegates) |
| Silver Sponsor | ₹ 2.5 Lakh (with free registration of 2 delegates) |

(a) **Conference Kit.** ₹ 6,00,000 (US \$ 9250) : Felicitation, 4 delegates free, folded double page coloured advertisement in souvenir, name on kit bags at one place, 10 minute presentation.

(b) **Patron Sponsor.** ₹ 2,00,000 (US \$ 3100) : Felicitation, 4 delegates free, full- page advertisement in souvenir (coloured), 10 minute presentation.

(c) **Cultural Evening.** ₹ 1,50,000 (US \$ 2500): Felicitation on dais, 3 delegates free, full-page advertisement in souvenir(mono), 10 minute presentation, banner display.

(d) **Lunch &Dinner.** ₹ 2,50,000 (US \$ 4000): 4 delegates free, full-page advertisement in souvenir(mono), banners in dining area.

(f) **Inaugural Tea.** ₹ 1,00,000 (US \$ 1600): Felicitation, 2 delegates free, half page advertisement in the Souvenir (mono), banners in dining area.

(g) **Tea during Breaks.** ₹ 50,000 (US\$ 800) each session (Total four sessions). Felicitation, 1 delegate free, half page advertisement in the Souvenir (mono), banners in dining area.

(h) Co-Sponsor. ₹ 50,000 (US\$ 800) 1 Delegate free, half page advertisement in the souvenir (mono), banner display at suitable places. Organisations/Institutions/Companies desirous of sponsoring may forward the completed sponsorship form to the Organising Secretary along with advertisement material and details by **15 Sep 2022.**

17. Vendor Session. A session would be arranged for presentation by vendors. Only those vendors who sponsor a major event or setup stall are permitted to make presentation. This session would provide the delegates with a glimpse of the state of art technology present in the country.

18. General Information.

(a) About Dehradun. Dehradun, the capital of the Uttarakhand is visited by a large number of tourist every year, many of them en-route to Mussoorie. Nestled in the gorgeous mountain ranges of the Himalayas, the climate of the city is temperate even during summer; it is not so warm at Dehradun. Dehradun is one of the fast emerging modern cities in North India. The city boasts of many National Institutes like the Forest Research Institute (FRI), Indian Institute of Remote Sensing (IIRS), Rashtriya Indian Military College (RIMC), and the Indian Military Academy (IMA) besides a host of prestigious public schools. Dehradun has been one of the best known educational centres in Northern India. The city is well connected by road, rail and air. A few of the prominent locales around Dehradun are:

(b) Mussoorie. The Queen of Hills, is located about 28 Kms from Dehradun and amongst the most popular hill stations in India. It's a leisure traveller's and honeymooner's paradise that captivates the onlookers. A perfect summer resort and a major educational and cultural centre rolled into one hub. Places to see in Mussoorie include the Gun Hill, Mal Road, Mussoorie Lake, Landour, Camel's Back Road, Laltibba, Sir George Everest House, Tibetan Temple, Municipal Gardens/Company Bagh; Kemtpy Falls is located 15 kms away from Mussoorie.

(c) **Rishikesh.** The pilgrimage town of **Rishikesh** is about 40 Kms from Dehradun. Rishikesh is also considered as the Gateway to the Himalayas. The Char Dham Yatra (Four Shrines sacred journey) generally begins from Rishikesh.

(d) **Haridwar.** About 50 Kms from Dehradun is one of the most ancient pilgrimage centres in India that has been held in reverence from time immemorial. Haridwar is literally the Gateway to the Lord (Hari-Dwar). As the point of entry to Dev Bhoomi and Char Dham (the four main shrines situated in the upper reach of the Himalayas, Badrinath, Kedarnath, Gangotri and Yamunotri in Uttarakhand) it acquires its name Haridwar.

(e) **How to Reach.** Jolly Grant Airport in Dehradun is a domestic airport located at about 20 km away from city centre. Taxi cabs are available from the airport to city. The airport operates daily flights to Delhi. Nearest International airport is Delhi, which is about 235 km away. Dehradun is a major railway station which is connected to all cities in the country. The major cities like Delhi, Kolkata, Varanasi, Chennai, Trivandrum, Mumbai, Ujjain, Indore, are connected by express trains and superfast trains. All nearby cities are connected to Dehradun by State owned Uttarakhand transport buses. There are overnight deluxe A/C bus services of Uttarakhand Tourism from New Delhi to Dehradun. A distance of 235 km from Delhi to Dehradun costs about ₹ 600 by deluxe bus. The venue for the conference is the NHO which is about 5 kms from the Dehradun railway station and 30 kms from Jolly Grant airport.

(f) **Weather & Clothing.** Throughout the month of November, daytime temperatures will generally reach a high of around 26°C. At night the average minimum temperature drops down to around 17°C. In recent times the highest recorded temperature in November has been 33°C, with the lowest recorded temperature 9°C. Normal cotton / light woollen clothes are suggested for the day and woollen clothes for the evenings.

(g) **Accommodation.** The registration fee does not include accommodation. Dehradun has large number of hotels ranging from luxury to Star hotels. All efforts would be made to arrange accommodation for the delegates in different hotels, guest house/hostels. The delegates shall be required to pay the accommodation charges in

addition to registration fees. The accommodation charges may vary from ₹ 1000 to ₹ 9000. Those who need assistance in reserving accommodation may intimate it at the earliest. The above rates are only indicative and may vary. INCA will arrange accommodation only for the Congress duration. The guest house accommodation will be available on payment and on first come first serve basis.

19. CONTACT PERSONS.

Congress Secretariat:

Capt Kuldeep Singh,

Organising Secretary,

42nd INCA International Congress,

National Hydrographic Office

107 A, Rajpur Road, Dehradun-248 001

Tele: +91 135 2746290-95 ,Fax: +91 135 2748373 ,Email: info@42inca.org

Website: www.42inca.org

42nd INCA INTERNATIONAL CONGRESS REGISTRATION FORM

Name/Prof./Dr./Mr./Mrs/Ms. _____

Designation and Office _____

Address _____

City _____ State _____ PIN _____

Phone :(O) _____ Mobile _____ Email _____

Whether member of INCA? _____ (if yes) your LM No _____

Category (please tick one): Indian /Foreign

Status (please tick one): Delegate / Student / Senior / Sponsor / Exhibitor / Author

If with accompanying person :(Yes/No) _____ (if yes)

1) (Name) _____ Relation _____

2) (Name) _____ Relation _____

3) (Name) _____ Relation _____

If author please give title of your paper _____ in the sub theme

Accommodation: Star Hotel/Other Hotels/Guest House/ Hostel _____

Type: (1) Single (2) Double (3) Shared Accommodation _____

Payment details: (In favour of "42nd INCA International Congress" payable at Dehradun)

Registration for

(a) Self : _____

(b) Registration for Accompanying Person: _____

(c) Accommodation Charges: _____

(d) Total _____

DD NO _____ Bank/Branch _____ Dated _____

BRIEF PARTICULARS (FOR FOREIGN DELEGATES)

Full Name (In Block Letters) _____

Nationality _____ DOB _____ Place: _____

Father's Name _____ Mother's Name _____

Permanent Address _____

Passport No _____ Date of Issue _____ Validity _____

Place of Issue _____ Country _____ Occupation _____

Whether previously visited India? YES/NO If yes,

Period From _____ To _____ Place _____

Purpose _____

BRIEF PARTICULARS ABOUT THE ITINARY

Meal Preference (Veg/Non Veg) _____

Arrival (Date and time) _____ Mode (Air/Train/Bus) _____

Duration of stay: From _____ To: _____

Departure (Date and time) _____ Mode (Air/Train/Bus) _____

Date: _____

Place: _____

Signature: _____

Book Post

To,

Capt Kuldeep Singh
Organising Secretary 42nd International Congress
National Hydrographic Office 107-A,
Rajpur Road
DEHRADUN 248 001
(Uttarakhand) India

Phone: 91-135 2747365

Fax: 91-135 2748373

E-mail: -incho-navy@nic.in

Website: 42inca.org

From

42nd INCA INTERNATIONAL CONGRESS Souvenir Advt. / Exhibition Form

To,

Organizing Secretary

42nd INCA International Congress

National Hydrographic Office 107-A,
Rajpur Road
DEHRADUN 248 001
(Uttarakhand) India

Phone: 91-135 2747365

Fax: 91-135 2748373

E-mail:-42incanho@gmail.com

Website: 42inca.org

Sir, I have the pleasure to inform you that our organisation would like to advertise/ and/ or exhibit at the 42nd INCA Congress -2022

Name of the Organisation _____

Contact Person _____

Position/ office _____

Address _____

City _____ State _____ Pin _____

Phone:(O) _____ (R) _____ Mobile _____

Email _____

Payment details: In favour of “42nd INCA International Congress” payable at Dehradun

Advertisement in Souvenir _____
Exhibition: No. of stall/s and the size _____ Total

DD NO _____ Bank Branch _____
Dated _____

Place Date Signature

42nd INCA INTERNATIONAL CONGRESS Sponsorship Form

To

Organising Secretary

42nd INCA International Congress

National Hydrographic Office

107- A, Rajpur Road

Dehradun 248 001 (Uttarakhand) INDIA

Sir, I have the pleasure to inform you that our organisation would like to be a sponsor for the 42nd INCA Congress -2022

Name of the Organisation _____

Contact Person _____

Position/ office _____

Address _____

City _____ State _____ Pin _____

Phone:(O) _____ (R) _____ Mobile _____

Email _____

Sponsorship plan and name of the delegate/s _____

DD NO _____ Bank Branch _____ Dated _____

Sponsorship plan and name of the delegate/s

Payment details: In favour of "42nd INCA International Congress" payable at Dehradun

Amount ` _____ DD NO _____ Bank

Branch _____ Dated _____

Place

Date

Signature

EXECUTIVE COMMITTEE

| | |
|---|---------------------------|
| President Vice Admiral Adhir Arora, NM | Members |
| | Brigadier S Sridhara Rao |
| | Commodore Peush Pawsey |
| | Mr. sunanda Trivedi |
| Co-President Surveyor General of India | Dr. Vandita Srivasatva |
| | Dr. R A Prasad |
| | Dr. B K Ramprasad |
| | Dr. Swapna Saha |
| Past Presidents Prof Krishna Mohan | Ms. Anjana Bandyopadhyaya |
| | Sh. O P Sarra (Retd.) |
| | Dr. Bimal Kumar Kar |
| | Prof. Premlata Singhi |
| Senior Vice-President Dr. MuraliKrishnan S – NRSC | Dr. Shukla Hazra |
| | Dr. Sucheta Mukherjee |
| Vice-President Sh. SajiKrishnan K – NATMO | |
| | |
| Vice-President Sh. S V Singh – SOI | |
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| Secretary General Sh. Pankaj Kumar | |
| | |
| Secretary - I Dr. K Pramod Kumar | |
| | |
| Secretary - II Rajesh Kumar Khatri | |
| | |
| Treasurer Sh. P.Krishnaiah | |
| | |