

IHB File No. S1/3008

CIRCULAR LETTER 29/2004
23 April 2004

GEOMATICA 2004
“Geospatial Technology: Trends and Opportunities”
La Habana, Cuba, 10-14 May, 2004

Reference: IHB Circular Letter 74/2003, dated 2 December 2003.

Dear Hydrographer,

As announced in CL 74/2003, the 4th International Congress GEOMATICA 2004 will take place on 10-14 May 2004 in La Habana, Cuba, under the general topic “Geospatial Technology: Trends and Opportunities”, with the IHO as co-sponsoring international organization.

The final programme is provided in **Annex A**. Of particular note, the IHB will present a paper on ENC/ECDIS developments on 12 May and chair a round table on the same topic on 14 May. As planned, the IHB is also organizing a Workshop on ENC/ECDIS immediately before the Geomatica Conference, on 11 May, in liaison with the Cuban HO. It will address all aspects of ENC production, distribution and use, with focus on America’s concerns. The most recent draft programme for the Workshop is given in **Annex B**.

As stated in CL 74/2003, both the Congress and Workshop will enjoy English and Spanish interpretation, and it is hoped that as many representatives of the HOs in the region as possible will be able to attend these events.

The IHB is grateful to the Cuban HO and Geocuba for their support in preparing the IHO Workshop, as well as to all those from HOs, RENCs and commercial companies who have accepted to contribute as speakers to the Workshop.

On behalf of the Directing Committee
Yours sincerely,

(original signed)

Rear Admiral Kenneth BARBOR
Director

Encl: Annexes A and B



IV International Congress GEOMATICA 2004

“Geospatial Technology: Trends and Opportunities”

Conventions Palace, Havana, Cuba.

May 10-14, 2004

The IV International Congress GEOMATICA 2004, which will be held within the framework of INFORMATICA Convention, will focus its debates on geospatial technologies as the base of Geomatics applications. This theme complements past issues aimed at spatial data and their standards. We wish to provide a debate opportunity to all who have an interest in Geo Information Science.

Themes.

1. Education and training.
2. Technologies of spatial data capturing and processing.
3. Technologies of map production and Geographical Information Systems.
4. Navigation systems.
5. Standards and Spatial Data Infrastructures.
6. Map services and Geographical Information Systems on Internet.
7. Geomatics applications to the society.
8. Legal and economic issues.

Working Languages:

- Spanish
- English

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Sponsorship:

National

- GEOCUBA Entrepreneurial Group.
- National Office of Hydrography and Geodesy.
- Cuban Geographic Society.
- Institute of Tropical Geography.
- Geology and Paleontology Institute (IGP).
- UNDP Project for the Sabana Camaguey coastal Management.
- National Union of Architects and Engineers of the Construction of Cuba (UNAICC)

International

- International Cartographic Association. (ICA).
- International Hydrographic Organization (IHO).
- International Society of Photogrammetry and Remote Sensing (ISPRS).
- Latin-America Society of Remote Sensing and Spatial Information Systems (SELPER).
- United Kingdom Hydrographic Office.
- www.mappinginteractivo.com.
- www.egeocampus.com

Tourist Agency (Hotels, Travels):

HavanaTur
 roman@cimex.com.cu

Preliminary Programme – IV International Congress GEOMATICA 2004 from 10 to 14 May 2004.

Monday 10	Tuesday 11	Wednesday 12	Thursday 13	Friday 14
<p>Workshop on Geographic Information Standards (ISO/TC 211, OGC, etc) (40 persons) Coordinator: Antony Cooper, CSIR, South Africa Tatiana Delgado, GEOCUBA, Cuba.</p>		<p>09:00 Opening Ceremony of GEOMATICA 2004. 09:30 Master Conference Theme: Sustainable Development for Latin America: the role of cartography and GI By: ICA President.</p>	<p>09:00 Master Conference Theme: Incremental Updating and Versioning in Spatial Data Bases By: ICA.</p>	<p>09:00 Master Conference Theme: Location Based Services 09:45 Location Based Services Session. Oral Presentations and panels.</p>
<p>Workshop on Location Based Services (40 persons) Coordinator: ICA Maps and Internet Commission</p>		<p><i>10:15 BREAK</i> 10:30 Master Conference Theme: State of the Art of Digital Photogrammetry and Remote Sensing. By: ISPRS President</p>	<p>09:45 Geographic Information Standards Session. Round Table: ICA, ISO/TC 211, IHB, CP IDEA, IDERC. <i>10:15 BREAK</i> 10:30 Master Conference Theme: The Spatial Data Infrastructure of America. By: CP IDEA</p>	<p><i>10:15 BREAK</i> 10:30 Maps and GIS on Internet Session. Oral Presentations and panels. <i>12:00 – 13:30 LUNCH</i> 13:30 Electronic Navigational Charts Session. Round Table: IHB, Hydrographic and Geodesic Service of Republic of Cuba, Hydrographic Office of United Kingdom.</p>
<p>Workshop on Digital Photogrammetry (20 persons) Coordinator: John Trinder, International Society of Photogrammetry and Remote Sensing (ISPRS). Pedro Martínez, GEOCUBA, Cuba</p>		<p>11:15 Master Conference Theme: State of the Art of Electronic Navigation Charts. By: IHB <i>12:00 – 13:30 LUNCH</i> 13:30 Education and Training Session. Round Table: UCI, GEOCampus, ISPJAE, GEOCUBA.</p>	<p>11:00 Spatial Data Infrastructure. Round Table: National Office of Hydrography and Geodesy, IGP, National Office of Informatization, CP IDEA, ICA. <i>12:00 – 13:30 LUNCH</i> 13:30 Geomatics Applications Session. Oral Presentations and panels.</p>	<p><i>15:15 BREAK</i> 15:30 Digital Photogrammetry and Remote Sensing Session. Panel: ISPRS, SELPER, GEOCUBA.</p>
<p>09:00 – 17:00 Workshop on Electronic Navigational Charts (50 persons) Coordinator: Michel Huet, International Hydrographic Bureau, Monaco. Iván Karel Sosa, Hydrographic and Geodesic Service of the Republic of Cuba.</p>		<p><i>15:15 BREAK</i> 15:30 Technologies of spatial data capturing and processing Session. Oral Presentation.</p>	<p><i>12:00 – 13:30 LUNCH</i> 13:30 Geomatics Applications Session. Oral Presentations and panels. <i>15:15 BREAK</i> 15:30 Geomatics Applications Session. Oral Presentations and panels.</p>	<p>16:30 Closing Ceremony of GEOMATICA 2004.</p>

**IHO WORKSHOP ON ELECTRONIC NAVIGATIONAL CHARTS
IN THE AMERICAS**

La Havana, Cuba, 11 May 2004

Chair: Rear Admiral Kenneth Barbor, IHB Director

Draft Programme and Agenda – Rev.5

8:30

1. Welcome and Administrative Remarks	Chair
2. ABC to ECDIS	R. Carpenter (UKHO)
3. ENC & ECDIS : IMO Regulatory Aspects – WEND Principles	Chair
4. IHO/IMO/IEC Standards pertaining to ENCs and ECDIS	M. Huet (IHB)
5. Assessment of Regional ENC Production and availability	M. Huet (IHB)

10:15

COFFEE BREAK

10:45

6. Quality and Consistency of ENCs 6.1 Highest quality on all ENC product stages	M. Huet (IHB) J. Klippen (HydroService, Norway) D Fuentes (Panama)
7. Electronic Chart Working Group of the Meso-American and Caribbean Sea Hydrographic Commission (ECWG-MACHC) : Status Report	
8. The Gulf of Honduras Project: Capacity Building, Marine Environmental Protection and ENCs	D. Fuentes (Panama)
9. Status of INT Charting and Proposal for Production of Small-scale INT Charts and ENCs in the MACHC Area	F. Angli (Mexican HO)

12:30

LUNCH (Over lunch, Kick-off of the Cuban S57-based ENC Series – Presentation by Ivan Karel Sosa, Cuba)

13:30

10. Regional Requirements and Availabilities for Training and Assistance in ENC production	M. Huet (IHB)
11. ENC Production : Industry Opportunities - A reversed production flow line (from traditional paper chart driven to ENC cell based)	J. Klippen (HydroService, Norway)
12. ENC Distribution : Regional ENC Coordinating Centres (RENCs) 12.1 International Centre for ENCs (IC-ENC) 12.2 Primar-Stavanger	P. Wright (UKHO) <i>To be confirmed</i>

15:15

COFFEE BREAK

15:45

<p>13. ENC Distribution : Supplemental Products and Services</p> <p>13.1 Data Protection</p> <p>13.2 Encrypted ENC Distribution: Value Added Ressellers (VARs)</p> <p>13.3 SENC Distribution : a solution for the user</p> <p>13.4 Marine Information Objects</p> <p>13.5 One Stop Shop for Nautical Information</p> <p>14. Conclusion – Solutions / Recommendations to improve the production and availability of ENCs in the Region</p>	<p><i>To be confirmed</i></p> <p>V. Sekatchev, Transas</p> <p>T. Svanes, CMap Norway</p> <p>M. Huet (IHB)</p> <p>T. Svanes, CMap Norway</p> <p>Chair</p>
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17:30