



IHO File No. S1/6000/2017

ASSEMBLY CIRCULAR LETTER 5 bis-4

16 November 2016

1st SESSION OF THE IHO ASSEMBLY

Monaco, 24-28 April 2017

**NOMINATION OF CAPTAIN LUIGI SINAPI BY ITALY
FOR SECRETARY-GENERAL AND DIRECTOR OF THE IHO**

References:

- A. Conference Circular Letter No.5 dated 14 June 2016 – *Call for Nomination of Candidates for Secretary General and Directors of the IHO*
- B. General Regulations of the IHO, Article 21

Dear Hydrographer,

1. Reference A invited IHO Member States to nominate candidates for the positions of Secretary General and Director of the IHO and indicated that the names of candidates and their nomination forms will be published as soon as they are received.
2. Italy has nominated **Captain Luigi SINAPI** to stand for election at the 1st Session of the IHO Assembly for the post of Secretary-General and for a post of Director of the IHO. The nomination form is enclosed.
3. As required by Reference B, the Secretary-General will collate all the nominations received and present a consolidated inventory as part of the documentation for the consideration of the Assembly.

Yours sincerely,

Robert WARD
Secretary-General

Annex: Nomination Form from Italy

Candidature for a post of¹**SECRETARY-GENERAL** **DIRECTOR**

(Article 20 of the General Regulations)

**Candidature à un poste de¹** **SECRETAIRE GENERAL** **DIRECTEUR**

(Article 20 du Règlement général)

GENERAL - GENERALITES

1. Nominating Member State - *Etat membre qui présente le candidat* : ITALY
2. Name - *Nom* : LUIGI SINAPI
3. Nationality - *Nationalité*: ITALIAN
4. Date of birth - *Date de naissance* : 27 August 1967
5. Titles and decorations - *Titres et décorations*:

Italian Navy Captain, acting as Commodore**Director of the Italian Hydrographic Institute - Italian National Hydrographer****Head of the Hydro-Oceanographic Office at the Italian Navy Headquarters**

Knight of the Order of Merit of the Italian Republic, 2014

Italian Legal Advisor for Military Operations, 2004

NATO Medal Kosovo, 2001

NATO Medal Former Yugoslavia, 2001

Commemorative Medal for Antarctic Mission, 1999

EDUCATION AND LANGUAGES - ETUDES ET LANGUES
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6. **Education (periods, including specialized or special qualifications) - *Etudes (durée, y compris les qualifications spécialisées ou particulières)***:

II level Master Degree in Marine Geomatics, University of Genoa, 2008

Master of Sciences Degree in International and Diplomatic sciences, University of Trieste, 2004

II level Master Degree in International strategic and military studies, Centre for the Defense High Studies (CASD) and LUISS University, Rome, 2004

Bachelor Degree in Navigation and Maritime Science, University of Pisa, 2002

IHO-FIG-ICA category A hydrographer, 1996

Master of Sciences Degree in Physics, University of Lecce, 1996

Course for Hydrographers at the Italian Hydrographic Institute of Genova, 1992 – 1993

Corso Superiore at the Naval Academy, Livorno, 1992

¹Tick one box or both

Corso Normale at the Naval Academy, Livorno, 1985 -1989

7. Languages (speaking and reading capacity) - Langues (niveau oral et écrit) :

Italian (native speaker)

English (fluent)

Spanish (good working knowledge)

French (working knowledge)

<p style="text-align: center;">SERVICE AND EXPERIENCE² - SERVICES ET EXPERIENCE₂</p>

8. Hydrographic service - Services dans l'hydrographie :

February 2016 – present: head of the Hydro-oceanographic office at the Italian Navy General Staff

2015 – present: Director of the Italian Hydrographic Institute – Italian National Hydrographer

2001: Liaison hydrographic officer on board US NAVOCEANO launch for the joint ITA-USA hydrographic survey in the naval base of Gaeta (I)

2000 – 2001: Oceanographic branch staff officer at NATO Command Naval South Europe (COMNAVSOUTH)

1998 – 2000: Head of the Hydrographic division at the Italian Hydrographic Institute

1997 – 1998: Head of the first marine trials of the European Geostationary Navigation Overlay Service (EGNOS) from Italian survey vessel “Mirto”

1996: Head of the Hydrography and Nautical Cartography team in the 11th Antarctic expedition within the Italian Antarctic Research Program

1994 – 1996: Hydro-oceanographic officer on board the Italian survey vessels “Ammiraglio Magnaghi” and “Mirto”

1993 – 1994: Head of several hydrographic and geodetic campaigns in Italian waters

² All service and experience relevant to the nomination and which provide an indication of the extent to which the candidate is qualified to serve as Secretary-General or Director.

² Tout service et toute expérience en rapport avec la candidature donnant une indication de la mesure dans laquelle le candidat est qualifié pour occuper le poste de Secrétaire général ou de Directeur.

9. Non-Hydrographic service - Services autres qu'hydrographiques :

November 2014 – October 2015: Head of the 1st division of the Logistic department of the Navy General Staff

October 2013 – October 2014: Head of the 5th division of the Operation department of the Navy General Staff

September 2012 - September 2013: Commanding Officer of the Italian Navy destroyer “Luigi Durand De La Penne”

August 2007 - August 2012: Head of the 1st division of the Financial Planning department of the Navy General Staff

September 2005 - July 2007: Commanding Officer of Italian Navy frigate “Zeffiro”

July 2004 - August 2005: Executive Officer of the Italian Navy frigate “Aliseo”

September 2003 - June 2004: Selected to attend the Joint General Staff Superior Institute in Rome

November 2001 - August 2003: Standing Naval Force Mediterranean (STANAVFORMED) liaison officer at NATO Command Naval South Europe (COMNAVSOUTH)

September 1997 - February 1998: Selected to attend the XX General Staff Course at the War School in Livorno

September 1996 – September 1997: Commanding Officer of Italian Navy survey vessel “MIRTO” during maritime surveys along the Italian coasts

March 1996 - July 1996: Selected to attend the 191st Commanding Officer School section

April 1990 - August 1992: Navigator and deputy telecommunications officer on Italian Navy aircraft carrier “Giuseppe Garibaldi”

10. Scientific Activities – *Activités scientifiques*

2016 – present: Professor of hydrography at the II Level Master Degree in Marine Sciences: Ocean Physics and Technology, organized by the Parthenope University of Napoli and Alma Mater Studiorum University of Bologna (I), and the Italian Navy

2015 – present: Member of the National Arctic Committee and of International Arctic Council EPPR (Emergency Prevention, Preparedness and Response) WG

2015 – present: Member of the National Council of Public Works (Consiglio Nazionale dei Lavori Pubblici)

2015 – present: Member of the National Cartographic Committee (AIC), of the National Remote Sensing Association (SIFET) and of the Italian Federation of the Scientific Association Environmental and Territorial Information (ASITA)

2015 – present: Member of the National Oceanographic Committee (Commissione Oceanografica Italiana – COI)

2015 – present: Member of Digital Italy Agency (Agenzia per l'Italia Digitale – AGID)

2001 – 2004: Professor of hydrography and geodesy at the Parthenope University, Napoli (I)

Bibliography

International Review and Books

“The first EGNOS Trials at Sea: In Columbus’ week”, with Basker S., Solari G., Secretan H., Barboux J.P. – Galileo’s World Ed. - 2000

“Nautical cartography in the Ross Sea – Antarctica”, with Gargiulo R. – Annali Facoltà di Scienze Nautiche Napoli (I), Volume LXVI - 2002

“External alignment between two beacons at different elevation for use in bathymetric operations”, with Vassallo A., Gargiulo R. – International Hydrographic Review, International Hydrographic Organization – Monaco (Principality of Monaco), Vol. 4, N. 2 – 2003

“A morphometric model of the Aeolian Islands (Italy)”, with Bissoni M., Favalli M., Mazzarini F., Mori A., Pareschi M.T. – Il Nuovo Cimento, Vol. 26 C, N. 4 – 2003

“Determination of the azimuth with solar observations without any particular astronomical knowledge and spherical trigonometry”, with Vassallo A. – Survey Review, Vol. 37, N. 293 - 2004

“Optimum trigonometric ellipsoidal height, direct and inverse”, with Caporaso U., Vassallo A. - International Hydrographic Review, International Hydrographic Organization – Monaco (Principality of Monaco), Vol. 5, N. 2 – 2004

“The Graham Bank: hydrographic features and safety of navigation”, with Lamberti L.O., Pizzeghello N.M., Ivaldi R., - International Hydrographic Review, International Hydrographic Organization, Monaco (Principality of Monaco) Ed. May 2016

National Review

“La cartografia nautica in Antartide”, with Gargiulo R., Mori A., Surace L. – Bollettino SIFET N. 3 - 2000

“L’EGNOS: caratteristiche generali e primi test operativi in mare”, with Surace L. – Bollettino SIFET N. 4 – 2000

“Antartide”, with Gargiulo R. – Rivista Marittima Ed. Dicembre 2000

“Il concetto di «Rapid Environmental Assessment» nelle operazioni navali NATO”, with Gargiulo R. – Informazioni della Difesa 2/2002

“Il modello tridimensionale dell’Arcipelago Eoliano: un esempio d’integrazione tra rilievo fotogrammetrico e batimetrico”, with Favalli M., Mori A., Pareschi M.T., Surace L. – Bollettino di Geodesia e Scienze Affini, Anno LXI N.1 - 2002

“Errori commessi in un rilievo idrografico e differenti tecniche di modellazione tridimensionale”, with Mori A., Spagnuolo A., Pizzi C. – I.I. 3085, Istituto Idrografico della Marina, Genova - 2000

“Il grid kilometrico della Mercator Secante e sue applicazioni operative”, with Gargiulo R., Lusiani P., Vassallo A. – I.I. 3166, Istituto Idrografico della Marina, Genova – 2002

“L’informazione geografica e la qualità dei dati”, with Gargiulo R. – Informazioni della Difesa 1/2003

“Azimut e punto nave astronomico con assorbimento intrinseco del cammino nave negli intervalli delle osservazioni”, with Vassallo A. – Annali Facoltà di Scienze Nautiche, Napoli (I), Volume LXVII – 2003

“I due problemi fondamentali della geodesia per la navigazione astronomica, in forma algebrica, sulla sfera terrestre e sull’ellissoide WGS’84”, with Vassallo A. – Annali Facoltà di Scienze Nautiche, Napoli (I), Vol. LXVIII – 2004

“L’esercitazione navale «IONEX 2004» un passo significativo verso la cooperazione italo-russa” – Informazioni della Difesa, 1/2005

“Un approccio geodetico ed astronomico alla conoscenza della terra geometrica”, with Vassallo A. – Informazioni della Difesa, 6/2005

“Idrografia e diritto” – Rivista Marittima, Anno CXXXIX, Aprile 2006

“La misura spaziale di Eratostene”, with Vassallo A. – Rivista Marittima, Anno CXXXIX, Novembre 2006

“L’arte della navigazione nei secoli”, with Vassallo A. – Rivista Marittima, Anno CXLI, Gennaio 2008

“La misura del tempo”, with Vassallo A. – Rivista Marittima, Anno CXLI, Ottobre 2008

Proceeding of International Conference

“Data quality indicators: from paper charts to electronic navigational charts” – CIRM Conference & AGM 2016, Santa Margherita Ligure (Italy) 11-13 April 2016

“Last century seabed morphodynamics of the Magra River estuary (Western Mediterranean Sea)”, with Pratellesi M., Ivaldi R., Ciavola P. – EGU General Assembly, Vienna (Austria) 17-22 April 2016

“Developing Skills and Capabilities of the Italian Navy Survey Vessel Fleet” – OSV (Oceanographic Survey Vessel) Conference, London (United Kingdom) 8-10 June 2016

“GEBCO Archaeological Hydrography” – GEBCO Forum, Monaco (Principality of Monaco) 15-17 June 2016

“4D Seafloor view” – GEBCO Forum, Monaco (Principality of Monaco) 15-17 June 2016

“The role of the Italian Navy Hydrographic Institute in the Arctic activities” – ARctic present Climatic change and pAst extreme events – ARCA” Final Conference, Roma (Italy) 11 October 2016

Proceeding of National Conference and Technical Report

“Progetto 3b: Telerilevamento, GIS, Banche dati e Idrografia”, with Lamberti L.O. – Rapporto sulla Campagna Antartica estate australe 1995/96, Programma Nazionale di Ricerche in Antartide (PNRA)– 1996

“Lezioni di Idrografia teorica ed applicata” – Parthenope University, Napoli (Italy), Manuale del Corso di Idrografia – 2001

“La rappresentazione digitale dei fondali marini”, with Gargiulo R., Mori A., Parente C., Pugliano A., Santamaria R. – 1° Convegno AUTeC (Associazione Universitari di Topografia e Cartografia) – Napoli (Italy) 17-18 May 2001

«Monitoraggio idrografico del Banco di Graham (Canale di Sicilia)”, with Lamberto L.O., Ivaldi R., Pizzeghello N.M. – 1° Convegno di Geologia Marina, CNR Roma (Italy), 18-19 February 2016

“La cartografia nautica e l’evoluzione del territorio – il porto di San Benedetto del Tronto”, with Cella A., Demarte M. – Convegno annuale della Associazione Italiana di Cartografia (AIC), San Benedetto del Tronto (Italy) 11-13 May 2016

National Conference and Workshop Organization

Workshop “Arctic Council, Governance and Politics” and seminar of Whitney Lackenbauer, “Placing Canada’s Northern Strategy in a Global Context: Sovereignty, Environment, Resources, and Human Development”, Canada Embassy, Rome (Italy) 21 March 2016

“Le pratiche di studio, mappatura, misura e rappresentazione dei fondali marini e delle coste: storia, riferimenti teorici, normativi e casi applicativi” – Conference National Order of Engineers, Rome (Italy) 17 February 2016 and Ragusa (Italy) 29 April 2016

“L’Istituto Idrografico della Marina nel panorama cartografico nazionale: stato dell’arte alla luce delle trasformazioni dell’informazione geografica nell’era digitale” – Agenzia per l’Italia Digitale - AGID National Conference, Rome (I) 11 May 2016

“Ri-determinazione delle linee di base nazionali” – Conference on “Linee di base del mare territoriale italiano”, Istituto Idrografico della Marina and Università Milano Bicocca, Genova (I) 16 May 2016

“La carta nautica elettronica e la navigazione 2.0” – 22° Forum dei Musei Marittimi del Mediterraneo, Genova (Italy) 30 June 2016

“Esplorazione del paesaggio marino” – 22° Forum dei Musei Marittimi del Mediterraneo, Genova (Italy) 30 June 2016

CANDIDATE'S POSITION - *POSITION DU CANDIDAT*

Protecting the environment, and in particular the sea, defending life in all its forms and guaranteeing sustainable use of its uncountable resources is a very complex activity that requires higher and higher specialization and know-how.

For the past thirty years, every single year the population of the world has used more from nature than our planet can renew in twelve months. *Earth Overshoot Day*, the date when humanity's demand for ecological resources and services in a given year exceeds what Earth can regenerate in that year, in 2016 was August 8th. We have been using more than nature can regenerate through overfishing, overharvesting and emitting more carbon dioxide into the atmosphere than forests and oceans can sequester.

Humanity faces an enormous challenge and International Organizations impacting in sustainability need to take action in order to contribute preserving the planet for future generations. Among them, the IHO plays a fundamental role in the seas and for the seas.

Hydrography should be more popular and more widely used, in order to develop knowledge of sea-related matters. Together with the Member States and other International Organizations, I think that the IHO should act in the short-medium term (one Secretary-General's mandate) in accordance with the following priorities:

1. Providing new and more flexible training solutions for hydrographers, cartographers and oceanographers, rationalizing specializations. This will lead to a greater awareness of the profession throughout the world, encouraging non-Member States to join the IHO;
2. Increasing awareness of the importance of hydrography and its potential through a capillary dissemination of information to the general public as well as national and international entities and organizations, introducing the subject in school curricula, promoting medium and long-term educational projects and developing multi-media communication to reach younger generations;
3. Involving more deeply blue economy stakeholders and relevant Organizations, who – through tonnage – determine the weight carried by Member States. A closer relationship would allow for a better understanding of the needs and demands from blue economy operators, which could be translated into suitable global services while fully respecting the marine environment;
4. Boosting the authority of the IHO in the standardization of data collection - hydrographic and oceanographic – through a deeper involvement of the academic world, and the issuing of a set of rules for crowd-sourced bathymetry and the implementing of new technologies (i.e. satellite-derived bathymetry). This is crucial to acquire information on still unknown sea areas as well as to ensure data checkability in time, which is fundamental for obtaining a comprehensive mapping of the entire ocean floor.

In order to carry out the above four priorities, the IHO Secretary General, with the help of the Directors, should:

- Define with the Member States a working schedule and an implementation program;
- Rationalize and optimize the available resources;
- Set the necessary benchmarks and tools to check progress.

The amended Convention of the IHO and a close relationship with the Principality of Monaco, where the IHO is hosted, will help the Secretariat achieve these short-medium term priorities.

<p style="text-align: center;">ADDITIONAL INFORMATION - RENSEIGNEMENTS COMPLEMENTAIRES (if any) (le cas échéant)</p>
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In a globalized world, all fields of knowledge – e.g. scientific research, technology, applied environmental sciences and consequently hydrography – are strictly interconnected, and constantly evolving. In order to keep up with this never-ending evolution, innovation and development are a must for national and international organizations.

Therefore, their directors and managers need to meet the following requirements:

- High level education
- Professional training and specialized expertise
- Planning and organizational skills
- High operational dynamism
- Excellent decision making and problem solving skills
- Information management skills
- Readiness to change
- Connecting/communication skills with as many different technical/scientific sectors possible in a globalized world.

My background – education, professional training, highly specialized managerial and organizational experience – has allowed me to reach the highest point of a category A hydrographer's career in Italy and now allows me to feel up to coping with the challenges faced by an international organization like the IHO in a globalized world.

If I was appointed the Italian National Hydrographer at 48 years of age – with a long career still in front of me – it is thanks to:

- my constant wish to increase my knowledge and my skills. As a Navy officer, I studied technical and scientific subjects (physics, hydrography, marine geomatics, naval and maritime sciences), as well as geo-political subjects (international and diplomatic sciences), maintaining close relationships with the academic world;
- the experience gained through years as a Commanding Officer on board survey vessels and warships, which helped me to develop an operational approach to problems and challenges, always seeking pragmatic and successful solutions;
- my working experience at the Navy General Staff, where I covered top-level positions in the Financial, Operational and Logistics departments; there, I learned how to tackle projects and jobs according to organizational science, through careful resource planning and regular project sustainability checking.

As the Italian National Hydrographer, thanks to my background, I made the Istituto Idrografico della Marina a center of excellence implementing a number of actions, e.g.:

- reorganizing, rationalizing and optimizing the available resources;
- creating a more streamlined workflow;
- creating new and more efficient departments;
- increasing output and revenue from the sales of nautical products;
- focusing on training.

The results – obtained very rapidly, less than a year – have been excellent. Most important, they are measurable and quantifiable.

In view of the above, I believe that my background based on:

- high level education and specialized training, including category A certification;
- planning and managing skills;
- operational approach to problems;
- commitment to ongoing education and professional development,

makes me a suitable candidate for the post of Secretary-General, as well as for the post of Director.

Date : **15 November 2016**

Signature of candidate: -

Signature du candidat :



Forwarding Authority - *Autorité qui transmet :*

DIRECTOR of ISTITUTO IDROGRAFICO DELLA MARINA

Signature of forwarding authority:

Signature de l'autorité qui transmet :

