

Professional development for hydrographers

David Loosley, Chief Executive, IMarEST
Charlotte Lord, Communications Director, IMarEST



Quick intro to the IMarEST



The Institute of Marine Engineering, Science & Technology

1. Non Governmental Organization

- Promotes sustainability of the marine environment, industry and professions

2. Professional membership body for marine sector

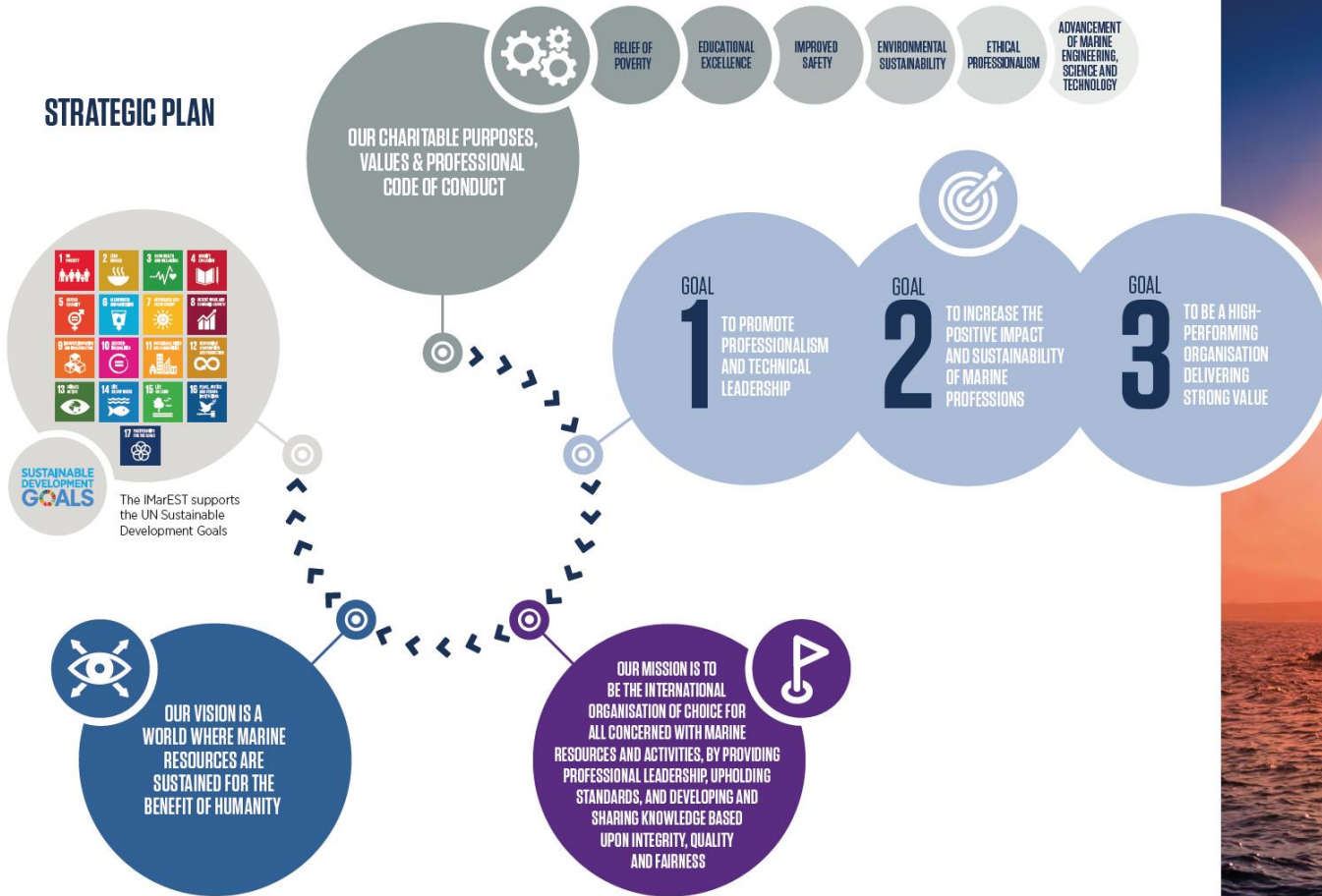
- 22,000 members, 120 countries, 50 local branches, 3 regional offices
- Provide lifelong learning, knowledge sharing and networking opportunities for members
- Award professional qualifications / certifications for individuals
- Global accreditation authority for marine courses and development programmes

3. Marine education and training provider “MLA College”

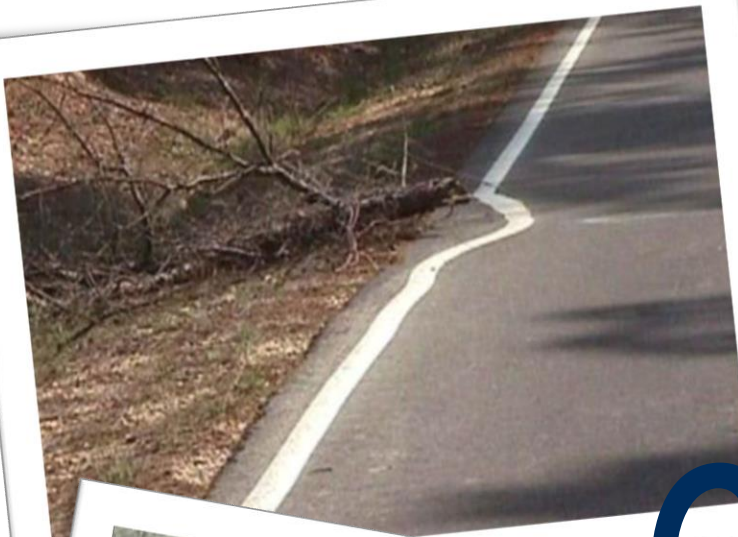
- Deliver marine training courses and higher education programmes through our specialist e-learning academy the “MLA College”
- Programmes delivered through distance e-learning with supporting practical residential modules where appropriate
- Courses cover: Hydrography, Oceanography, Meteorology, Sustainable Maritime Operations and Navigation

IMarEST strategic goals

STRATEGIC PLAN



What is professional competence?



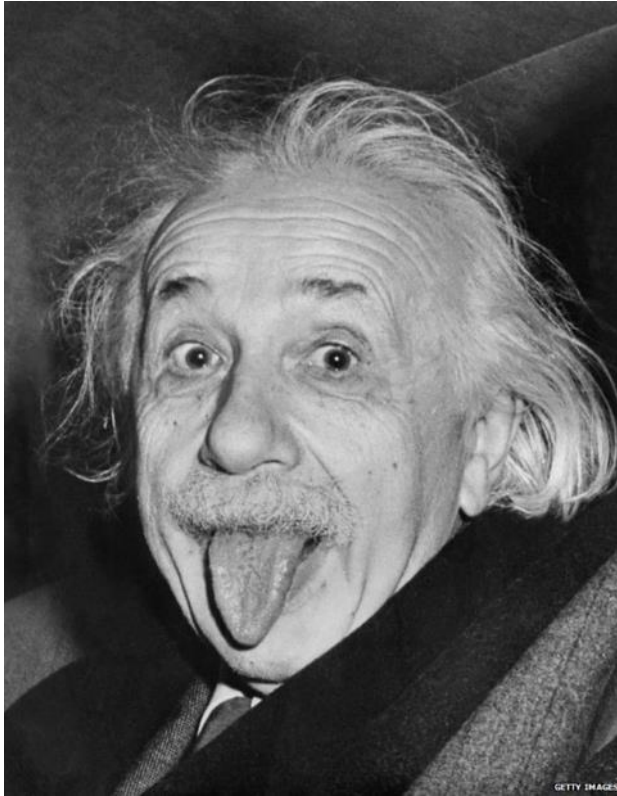
Oops!



What is professional competence?



What is CPD?

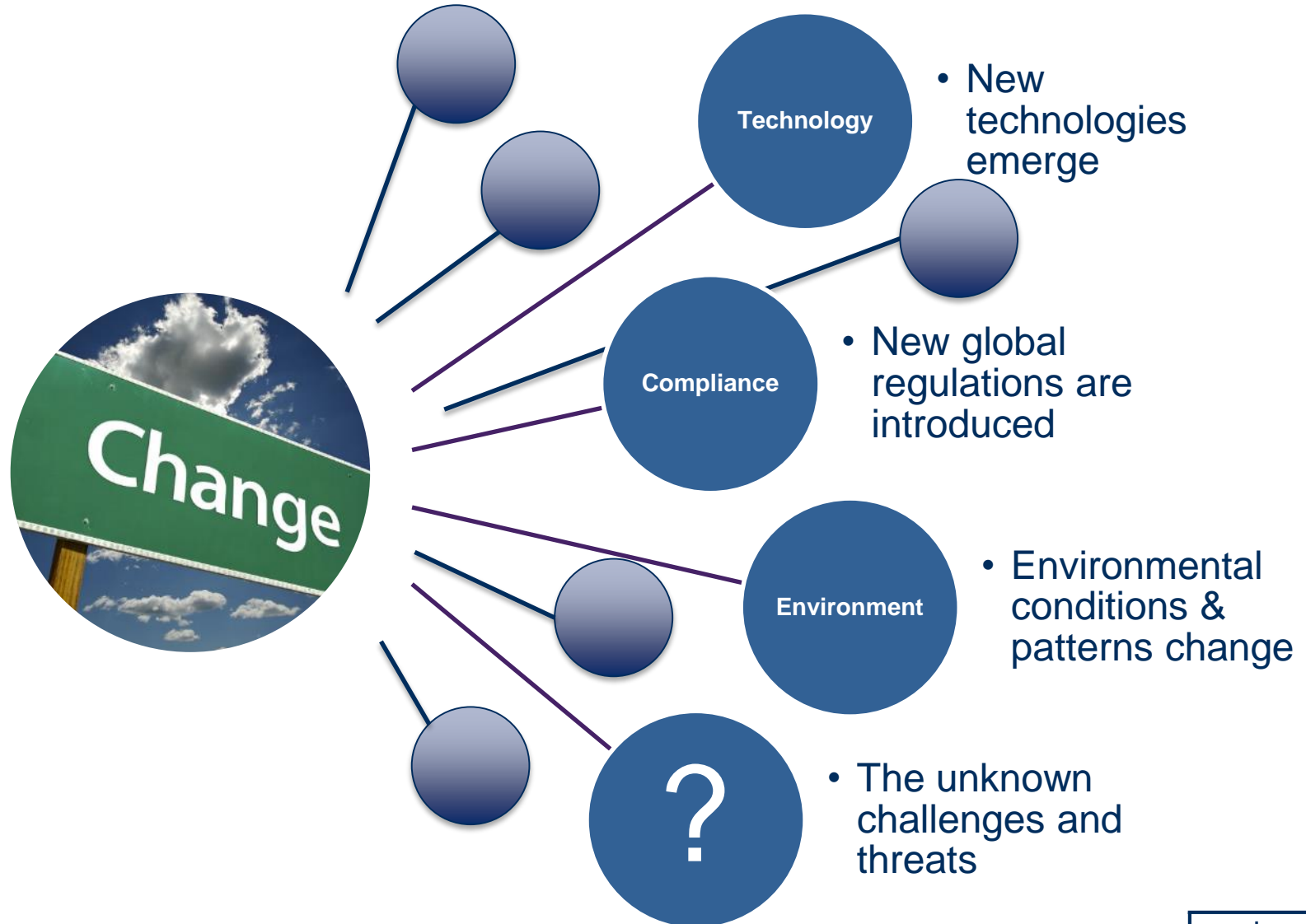


Continuing Professional Development

*“Wisdom is not a product of schooling
but of the lifelong attempt to acquire it”*

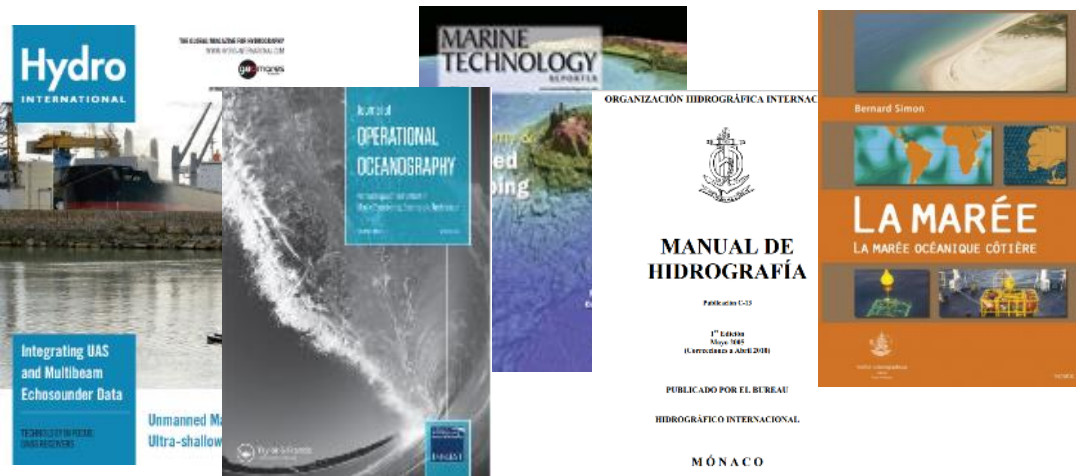
Albert Einstein

Why is CPD important?



Accessing knowledge

Books, magazines, journals, newsletters, online



IHO PUBLICATIONS:

https://www.iho.int/iho_pubs/IHO_Download.htm

IFHS READING LIST:

http://www.hydrographicsociety.org/documents/hydrographicsociety.org/downloads/ifhs_recommended_reading_list.pdf

The NOAA Ocean Podcast

Connect with **ocean experts** and explore topics from **corals to coastal science** with our audio podcast.

This is a weekly 30-minute audio podcast, covering topics in oceanography, marine biology, and coastal science. It is available on iTunes, Google Play, and other podcast platforms. For more information, visit <https://www.noaa.gov/oceanpodcast/>.



Reef Red Alert
What can we expect to see in the reef's future?

Current Surveys 101
How do you conduct a survey, and what are the challenges?

NOAA Ocean podcast
How do we coordinate our ocean research and policy?



NOAA Historical Maps and Charts
How do we use historical maps to understand our oceans?

Celebrating 100 Years of NOAA Corps
How do we celebrate the legacy of the NOAA Corps?


<https://www.thsoa.org/news>

<https://oceanservice.noaa.gov/podcast/>

<http://www.oceanbusiness.com/oceanbuzz/issues>

Accessing knowledge

Training and education



Capacity Building, Training and Mentoring
Providing the very best solutions to the International Hydrographic Community

OceanWise, in co-operation with CARIS and Esri, provides world-wide capacity building, training and mentoring to the hydrographic and wider marine science community. We offer courses and workshops tailored to your individual needs, in both technical and organisational subject areas such as:

- Marine Spatial Data Infrastructure**
 - Policy and Governance
 - Technical Standards
 - Information Systems
 - Geographic Content
- Enterprise GIS & Productivity**
 - Process Modelling
 - Conceptual Design
 - Management Systems
 - Data Organization and Design
 - Interoperability
- Data Management**
 - Principles and Policies
 - Standards and Specifications
 - Database Design
 - Publishing
- Change Management**
 - Human Aspects of Change
 - Organisational Change
 - Engagement and Implementation
 - Making Change Sustainable



ENGLISH 4 | MAIN SITE | CAT | LOGIN


NEWS

ALL 2017

WORLD-WIDE ACADEMY 2018 COURSE AGENDA

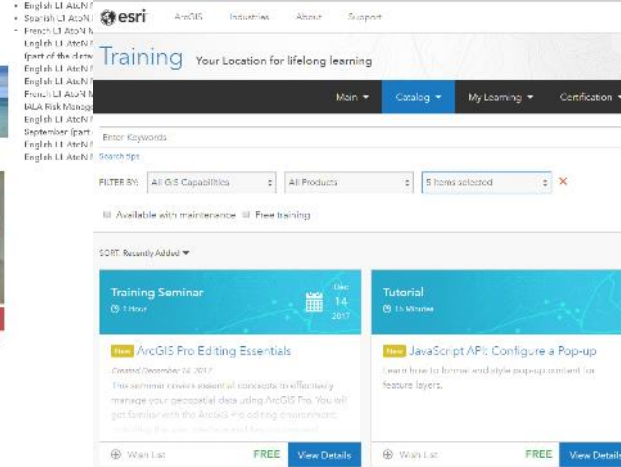
The Academy is in the process of facilitating Level 1 AtcN Manager Courses and IALA Risk Management Toolbox training all over the world. Below you can find a list with courses and dates. As soon as the flyers are ready they will be launched on the website.

- French L1 AtcN Manager Course, Morocco – 17 till 18 January
- L1 in Risk Management Toolbox Seminar, South Africa – 26 February till 3 March
- English L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)
- English L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)
- Spanish L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)
- French L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)
- English L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)
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- English L1 AtcN Manager Course, South Africa – 5 till 29 March (just to be held with Risk Seminar in South Africa)



The International Centre promoting excellence in geospatial sciences

CARTOGRAPHY COURSES	OUR CREDENTIALS	HYDROGRAPHIC COURSES
<ul style="list-style-type: none"> • Marine Geospatial Information meeting HQ/HQ/ICA 58 Cat '9' standards of competence; • Foundation and practice of ENC production; • Bathymetric data processing and charting; • Practical foundation to building marine spatial data infrastructure. 	<ul style="list-style-type: none"> • Experts in digital chart compilation and hydro surveys; • Strengthening value chain from hydrographic surveys to spatial data infrastructures; • Assured hand-holding and mentoring support to meet the client's evolving requirements; • Produced thousands of ENCs and paper charts for HDs worldwide. 	<ul style="list-style-type: none"> • Multibeam hydrographic survey course; • Conversion course for land surveyors to marine surveyors; • An introduction to geodesy and tides; • Quality Control of bathymetric survey data; • Hydrographic survey data processing and reporting.



Training Your Location for lifelong learning

Filter by: All OS Capabilities | All Products | 5 items selected

Sort: Recently Added

<p>Training Seminar 09:1 Hour</p> <p>ArcGIS Pro Editing Essentials Created December 24, 2017</p> <p>This seminar covers essential concepts to effectively manage your geospatial data using ArcGIS Pro. You will get familiar with the ArcGIS Pro editing environment, including the ribbon, workspace and toolbars.</p> <p>Wish List FREE View Details</p>	<p>Tutorial 09:15 Minutes</p> <p>JavaScript/API: Configure a Pop-up Learn how to format and style popup content on feature layers.</p> <p>Wish List FREE View Details</p>
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STUDENTS | EXPERT SERVICES | VIDEOS | NEWS

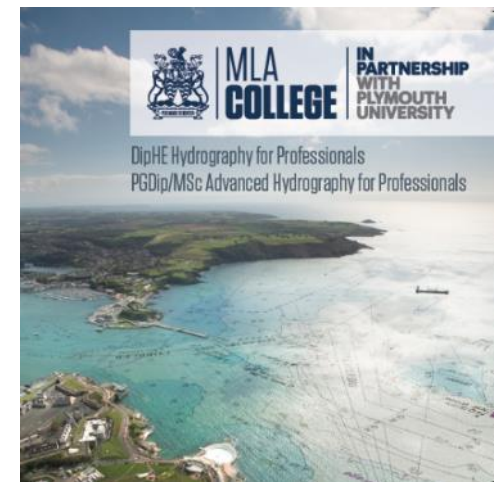
You are here: Home | COURSES | TRAINING COURSES | Meteorology and Oceanography awareness training course

Meteorology with Oceanography awareness training course

You are purchasing an e-learning training course. Training courses are delivered through the MLA App which can be downloaded at the links below.

Download the MLA mobile learning App

Download on the App Store | GET IT ON Google Play



DipHE Hydrography for Professionals
PGDip/MSc Advanced Hydrography for Professionals

Accessing knowledge

Institute of Marine Engineering, Science & Technology

IMAREST

Events, conferences, exhibitions

marine technology SOCIETY
Opportunity runs deep™

About MTS Awards Membership Committees and Sections Dynamic Positioning Conferences Publications Careers

TechSurge Workshops

MTS **techsurge** The ongoing MTS TechSurge programs feature hot-topic workshops that move knowledge forward.

Upcoming Workshops

2016 TechSurge: Underwater Cables, Connectors and Imaging Systems: Marine Technology Society is pleased to announce a joint Navy-Industry-University "Underwater Cables, Connectors and Imaging Systems" 3-day working session. This workshop will take place October 26-28, 2016 in Ft. Lauderdale, Florida and is organized by the MTS Cables and Connectors Committee and the MTS Underwater Imaging Committee.

Past Workshops

2014 Workshop: Technical Support for Coastal Resiliency: The conference will focus on integrating federal and non-federal technologies and data streams, where Hampton Roads is a natural test bed for integration. The event will be held at the Old Dominion University (ODU) Ted Constant Center - Blue Room in Norfolk, VA on June 3-4, 2014.

2014 Workshop: Cables and Connectors: The event focused on "Industry Division and Emerging Markets." The

WORKSHOPS

THE CONFERENCE WILL INCLUDE WORKSHOPS ON A VARIETY OF HYDROGRAPHIC TOPICS.

WORKSHOP SCHEDULE

Contributed by leading professionals in their respective areas: [Workshop Details](#) or contact workshops@ushydro2017.com

TECHNICAL PROGRAM

TECHNICAL PROGRAM SCHEDULE

Guidelines regarding Technical Program content: www.ushydro2017.com

KEY NOTE SPEAKERS:

Rear Admiral Stephen Smith, Director, Office of Coast Survey – NOAA/National Charting Race
rsmith@hquod.com
rsmith@hquod.com

Rear Admiral Tim Galloway, Commander, Naval Hydrography and Cosmography Command, Hydrographer of the Navy – World Leader in Military Hydrography
tim.galloway@navy.mil

RW Stewart, BOMES, Use of 5-D Seabed Data to Identify and Map the Distribution of Natural Hydrocarbon Seeps in the Northern Gulf of Mexico
stewart_r@hquod.com

Captain Jorge Vico, President, American PWC Association – PWC's Hydrographer
captain.vico@pwc.com



U.S. HYDRO 2017

TUESDAY TECHNICAL SESSION 1 – MULTIPLE USES OF HYDROGRAPHIC DATA:

LIGHTNING ROUND:

Management and Analysis of Side-Scan Sonar Data with US0's Starz Music Dataset, David Kombarik
dkombarik@starz.com

The O-Sea-based User-guided Workflow: Acquisition, Processing, Visualization and Sharing of Hydrographic Based Data, Chris Maloney
chris.maloney@noaa.gov

Understanding the Stages of Post-Processed Kinematic Positioning for Autonomous Undersea Vehicle (AUV) Operation, Christopher Chen
christopher.chen@usra.com

Using Ocean Many Things, Stanislav Rubenstein
stanislav.rubenstein@pgo.com

U.S. Arctic Initiative, Kathryn Wyllie
kathryn.wyllie@noaa.gov

PAPERS:

Steps Towards a True Coast-Centric, Collecting Data by using a Data-Driven Navigation System, Adam Reed
adam.reed@noaa.gov

<http://ushydro2017.thsoa.org/conference-proceedings/>

13-15 MARCH 2018, LONDON, EXCEL

Oceanology International 2018

Oi18 is the world's leading event bringing together 8,000 marine professionals from 79 countries. Both visitors and exhibitors gain a unique opportunity to meet, network, negotiate and conduct business under one roof.

[Find out more](#)

29-27 FEBRUARY 2019, SAN DIEGO CONVENTION CENTRE, CA

Oceanology International Americas 2019

Launched in February 2017, it has now been re-branded for February 2019 and will return to the San Diego Convention Centre. Showcasing the latest technologies and developments from across the ocean enterprise.

[Find out more](#)

1-3 NOVEMBER 2017, QINGDAO

Oceanology International China 2017

Developed in conjunction with government and industry associations, Oi China provides domestic and international suppliers the opportunity to capitalise on China's rapidly developing offshore energy and marine industries.

[Find out more](#)

Oceans of Knowledge:
Exploring how ocean observations improve ocean, weather and climate prediction enabling better informed business decisions at sea, on land and in the air.

TUESDAY 7TH NOVEMBER 2017
Royal Institution, London, 21 Albemarle Street, London, W1S 4BS

Early registration for the event is highly recommended. For more information visit: www.imarest.org/oceans

IMAREST
 pogo
 SHIP

Accessing knowledge

Professional membership organisations and networks

1. Offer members CPD opportunities
 - E.g. events, publications, technical working groups, training courses
2. Provide a professional network
 - many have local chapters or branches or have technical working groups for members
3. Provide external recognition and validation of career development
 - Some offer different membership levels and/or offer professional qualifications or certification depending on your skills and experience

The screenshot displays the Echo CPD platform interface. At the top, there is a navigation bar with links for Home, Calendar, Explore Echo, My Learning, My CPD, and Help & Support, along with a user profile for Charlotte Lord. The main header features a large image of a lighthouse on a rocky shore at sunset, with the text "Hi Charlotte, Welcome to Echo!". Below the header are three main navigation buttons: "My CPD" (View and add CPD that you have completed), "Explore Echo" (View the full catalogue of learning resources), and "My Learning" (Personalised activities for you to complete). The main content area shows a search bar and a grid of course cards under the heading "Welcome to your Catalogue". The cards include: "Climate Change" (IN PROGRESS), "Coastal and Nearshore" (IN PROGRESS), "Emissions from Shipping" (NOT STARTED), "e Navigation" (NOT STARTED), "Human Element" (NOT STARTED), "Hydrography" (COMPLETED), "Alternative Fuels for Shipping" (NOT STARTED), and "Leisure" (NOT STARTED). Each card displays a thumbnail image, a progress indicator, a star rating, and a "Launch" button.

Accessing knowledge



Professional membership organisations and networks

Examples of professional membership organisations:

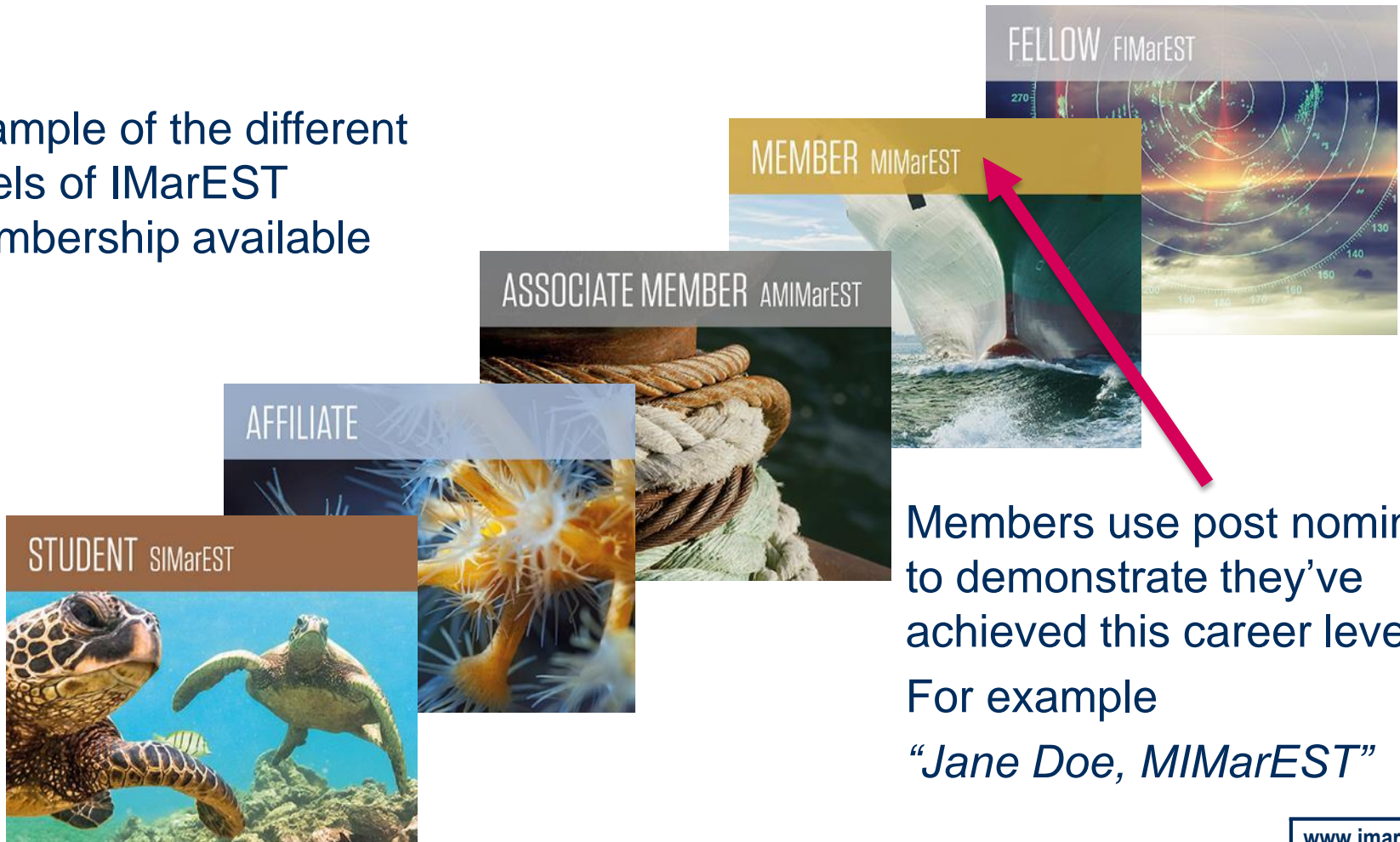
- The Hydrographic Society of America (THSOA)
- Association Francophone d'Hydrographie (AFHy)
- Royal Institution of Chartered Surveyors (RICS)
- Society for Underwater Technology (SUT)
- World Ocean Council
- Chartered Institution of Civil Engineering Surveyors (ICES)
- The Marine Technology Society (MTS)

And of course ... the IMarEST!

Professional recognition

A membership level to reflect your skills and experience

Example of the different
levels of IMarEST
membership available



Members use post nominals
to demonstrate they've
achieved this career level.
For example
"Jane Doe, MIMarEST"

Professional recognition

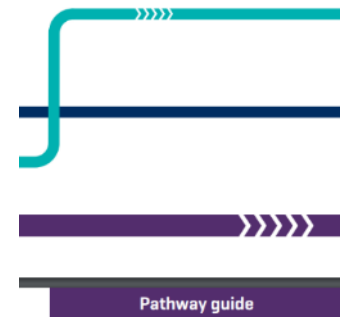


Professional certification and qualifications for individuals

- Professional standards of competence for individuals
- Typically awarded to individuals with 5 years experience plus demonstration of knowledge, skills, abilities and behaviours
- Assessments typically through written application, interviews or written examination
- Individuals must demonstrate ongoing CPD to retain qualifications
- Benefits individuals, organisations & society



Associate Assessment
Hydrographic Surveying
February 2017




Free e-learning bundle


'An introduction to Hydrographic Governance'


1. An introduction to Hydrographic Governance




 **Welcome to An Introduction to Hydrographic Governance**
In this video, IMarEST Communications Director Charlotte Lord welcomes you to this module and gives a brief explanation of the materials, and why we are delivering them. Charlotte also discusses how the IMarEST and MLA College can develop bespoke training materials for you a...
Video Completed Viewed? [Yes](#) / [No](#) [View](#)

 **Hydrographic governance: lecture videos**
A selection of lecture videos looking at a number of aspects of hydrographic governance. These lectures are taken from a range of Undergraduate and Postgraduate programmes from the full MLA College suite.
Curriculum In progress 33% [View](#)

 **Hydrographic governance: transcripts**
These transcripts are provided to supplement the lecture videos within this module.
Curriculum Not started [View](#)

 **Example assessment questions**
An example of the style of assessment questions that can be created to supplement the lecture videos. These questions allow the student to test their learning, allowing them to ensure that they have understood the key aspects of the lecture. The questions within this assessment relate to...
Course In progress 50% [Launch](#)

 **Contact us**
Please feel free to email or call if you would like to discuss any aspect of this module with the IMarEST and MLA College teams.
Word Completed Viewed? [Yes](#) / [No](#) [View](#)

 **Registration form**
In order to complete this form electronically, please open it via the web portal: <https://mla.lumoreach.com/Learner/Home>
PDF Completed Viewed? [Yes](#) / [No](#) [View](#)

What is it?

- We have given you free access to our e-learning platform
- We have created a bundle of learning material to complement the workshop
- Access the platform online or download app for Apple & Android
- Sign up more colleagues for free

Topics

6 lecture videos on various topics

Back to 1. [An introduction to Hydrographic Governance](#)

Hydrographic governance: lecture videos



Coastal and marine activities

In this lecture, Dr Steve Fletcher introduces you to the range of competing uses that exist in coastal and marine areas whilst also considering the interactions between these activities. Steve then explores the usage of Integrated Coast Management, considering it as a mechanism to manage a...

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

Maritime zones and the Law of the Sea (part 1)

Dr Steve Fletcher starts this lecture by introducing you to the basis of the United Nations Convention of the Law of the Sea (UNCLOS). Steve considers the maritime zones as delineated under UNCLOS before looking at the impact of UNCLOS on marine environmental protection and marine...

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

Maritime zones and the Law of the Sea (part 2)

Building upon part one, Dr Steve Fletcher identifies the mechanism used to determine maritime boundaries, specifically looking at disputes and how these disputes that can be managed.

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

Improvements in navigation

John Hooper uses this lecture to introduce you to the topic of navigation. John starts the lecture by reviewing the information needed by the navigator before examining the changes that have occurred in recent time. The lecture draws to a conclusion by investigating the impact that technological adv...

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

SOLAS and the ISM Code

In this lecture, Master Mariner Paul Wright outlines the contents of the Safety of Life at Sea Convention (SOLAS). Paul also examines the objectives and implementation of SOLAS chapter IX, before he discusses the responsibilities of the ship's Master and the shipping company for develop...

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

An introduction to data management

In this lecture, Dr Jaimie Cross introduces you to the concept of data before defining what data management is. Finally, Jaimie identifies what is good data and what is bad data, and how this can impact on operations.

Video Completed

Viewed? [Yes](#) [No](#) [View](#)

A selection of lecture videos looking at a number of aspects of hydrographic governance. These lectures are taken from a range of Undergraduate and Postgraduate programmes from the full MLA College suite.

Status
Completed

Started on
25th October 2017

Completed on
3rd November 2017

Availability
Until further notice.

Coastal interaction matrix

	Fishing	Aquaculture	Fishing	Conservation	Tidal power
Tidal power	Red	Green	Green	Green	Green
Conservation	Red	Red	Red	Red	Red
Fishing	Red	Green	Green	Green	Green
Aquaculture	Red	Green	Green	Green	Green

Maritime boundaries defined by:
 Precise hydrographic survey
 Geospatial analysis
 Historical review
 Political negotiation
 Military action

21st Century Navigation Equipment
 Satellite communications system
 Automatic identification system (AIS)

Shore-based responsibilities and authority
 Designated Person Ashore (DPA):
 Confirm the effectiveness of the SMS
 Report deficiencies to the highest level
 Organise safety audits

Using and processing data
 Wise use of data as the resource which informs operational decisions

Learning tools

Lecture videos, maritime zones quiz and lecture transcripts

Actividades marinas y costeras

Pantalla 1 – Actividades marinas y costeras

Esta conferencia se centrará en la gama de actividades que tienen lugar en las zonas costeras y las razones por las cuales ciertos tipos de actividad tienden a enfocarse en áreas costeras específicas.

Pantalla 2 – Resultados de aprendizaje

- Reconocer el rango de usos en competencia que existen en áreas costeras y marinas.
- Comprender las interacciones básicas entre diferentes actividades costeras y marinas.
- Apreciar las interacciones entre las actividades marinas y costeras y el medio ambiente en el contexto del cambio ambiental.
- Reconocer la Gestión Costera Integrada como un mecanismo para administrar actividades dentro de áreas marinas y costeras ocupadas.

Pantalla 3 – Usos costeros y mar

Muchas actividades requieren una preferencia por una ubicación costera. La actividad (como la necesidad de ventaja comercial o de otro tipo) (por ejemplo, necesitan acceso al mar) aunque no necesitan restringirse más allá (por ejemplo, un hotel) Podría decirse que aquellas actividades fundamentales deberían tener acceso mundial, la asignación de actividades más capaces de pagar ganan planificación costera pueden red particularmente demandas ya que Tokio, Japón, en el cual los usuarios puerto comercial y las oficinas espacio costero.

Ahora es su turno. Tómese dos que pueda. Escriba la lista en una lista, incluya actividades que ser costeras que conozca o utilice la cuando esté listo.

Pantalla 4

- Compare la lista que escribió con medida que avance en estas pantallas, ¡bien hecho! Aquí hay un
- Instalaciones de turismo y recreo
 - Puertos pesqueros, mercados
 - Sitios de aterrizaje para caballos
 - Bases de servicio para inflables
 - Refinerías de petróleo y yacimientos
 - Centrales eléctricas
 - Enlaces ferroviarios y viales

Les zones maritimes et le droit de la mer 1^{ère} partie : Les lignes de base et les zones

1^{ère} diapositive – Les zones maritimes et le droit de la mer 1^{ère} partie : Les lignes de base et les zones

Voici la première de deux présentations qui se concentre sur le droit de la mer. Cette présentation se penchera sur les caractéristiques des lignes de base et des zones maritimes.

2^{ème} diapositive - Objectifs d'apprentissage

- Comprendre les éléments de base de la Convention des Nations Unies sur le Droit de la Mer (CNUDM).
- Reconnaître les zones maritimes définies par le CNUDM.
- Comprendre les réglementations du CNUDM relatives à la protection du milieu marin.
- Identifier les éléments à prendre en compte dans le cadre de la collecte de données sur le milieu marin associé au CNUDM.

3^{ème} diapositive – Contexte historique

La gestion de la mer a été, pendant un certain temps, assez chaotique. Chaque pays avait le droit de déterminer les règles applicables à la mer qui lui était adjacente, et donc il n'y avait pas de cohérence ni de certitude pour les activités maritimes. Ceci signifie qu'un bateau passant dans les eaux de différents pays était sujet à différentes règles et droits dans chaque pays. Ceci mettait les navires en situation de risques et instaurait une grande incertitude dans le système maritime. Pendant la période d'après-guerre, les Nations Unies ont pensé à aborder cette question en développant un ensemble de règles universelles qui s'appliqueraient aux eaux maritimes mondiales. Ceci deviendra le droit de la mer et fut ratifié par la Convention des Nations Unies du droit de la mer (CNUDM). Le texte de la convention fut accepté en 1982 et est entré en force en 1994 suite à sa ratification par le 60^{ème} pays.

4^{ème} diapositive – CNUDM

La mission du CNUDM est définie par la Commission Européenne comme chargée d'établir « un ordre légal pour les mers et les océans qui facilitera la communication internationale et promouvra l'utilisation pacifique des mers et des océans, l'utilisation équitable et efficace de leurs ressources, la conservation de leurs ressources vivantes, et l'étude, la protection et la préservation du milieu marin. » Le CNUDM présente des mesures détaillées de législation internationale ayant une importance fondamentale pour la gestion des océans dans le monde.

5^{ème} diapositive – FIN

Maritime Zones and the Law of the Sea Part 2: Boundaries and Disputes

Lesson 1 – Maritime Zones and the Law of the Sea Part 2: Boundaries and Disputes is the second of two lectures which focus on the Law of the Sea. This lecture will focus maritime boundaries and disputes.

Lesson 2 – Learning outcomes

Understand the mechanism for the determination of maritime boundaries. Appreciate that the determination of maritime boundaries can generate disputes. Recognise the main mechanisms to overcome maritime boundary disputes.

Lesson 3 – Introduction

The determination of maritime boundaries is often a topic of great debate and occasional conflict. This is because the resources found in maritime zones can be very valuable and authority awarded over marine space by the designation of maritime zones is important for the protection and security of coastal states. The Law of the Sea is very clear in most claim maritime zones, as discussed in our previous lecture, or challenges related to the application of the Law of the Sea in

cases where islands are less than 400nm apart and a median line must be defined. It has the potential to be expanded by the existence of islands. Disputed sovereignty. In each of these situations in turn.

Maritime boundaries

In cases where coastal states are less than 400nm apart, each can claim a full 200nm EEZ. If not, then a median line must be defined. The boundary is called the median line. It is the mid-point between the baselines of each coastal state. It becomes the international maritime boundary between coastal states. Where each of the maritime zones meet, this is a step to maximise their marine resources, the definition of

by calculating the mid-point of straight lines drawn between the baselines of adjacent maritime states. When joined together, the mid-point

of an island is islands. An island is a "naturally formed land which is above water at high tide" (UNCLOS Article 121).

Maritime Zones and the Law of the Sea

Question 1 of 13

Which of the following statements best describes the Law of the Sea?

- A set of informal guidelines that are applied to only certain marine areas.
- A universal set of rules that apply to the use of all marine areas.
- The rules that dictate how marine states undertake Marine Spatial Planning.



Back

Submit

Next



Dr Steve Fletcher

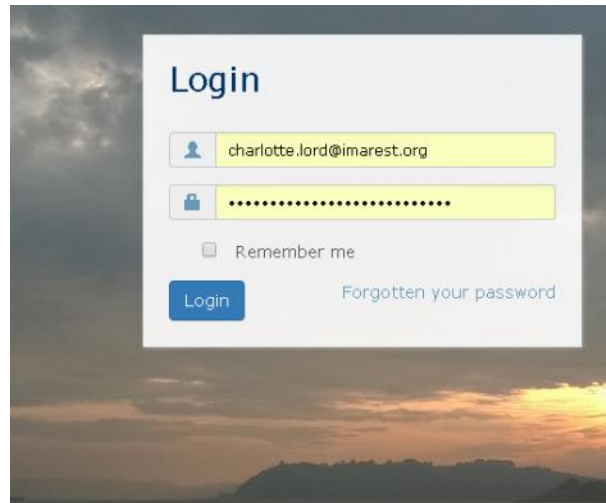
Coastal and Marine Activities

Download as an offline MP4 file

Steps to access

Step 1: Go to mla.lumo-reach.com/Learner/Home and use the login details provided to you

1.



**Step 2: Click on
'An Introduction to Hydrographic Governance'**

2. 

1. An introduction to Hydrographic Governance

This module provides an introduction to hydrographic governance. It is also an example of types of materials produced by the IMarEST, via its education and training organisation, MLA College.

 Curriculum  In progress  57%

[View](#)

Step 3: Click on content to view

3.

1. An introduction to Hydrographic Governance



Welcome to An Introduction to Hydrographic Governance

In this video, IMarEST Communications Director Charlotte Lord welcomes you to this module and gives a brief explanation of the materials, and why we are delivering them. Charlotte also discusses how the IMarEST and MLA College can develop bespoke training materials for you a...

 Video  Completed

Viewed? [Yes](#) / [No](#) [View](#)



Hydrographic governance: lecture videos

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 Curriculum  In progress  33%

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Hydrographic governance: transcripts

These transcripts are provided to supplement the lecture videos within this module.

We need your help...



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- We will email you a quick questionnaire which we would love you to complete!

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LEVEL	TITLE
ACCESS to Undergraduate and Postgraduate Programmes	Sustainable Maritime Operations Access Course
	Introductory Module for Hydrography courses
UNDERGRADUATE	BSc Sustainable Maritime Operations
	BSc (Hons) Sustainable Maritime Operations
	DipHE Hydrography for Professionals
POSTGRADUATE	PGCert Sustainable Maritime Operations
	PGDip Sustainable Maritime Operations
	MSc Sustainable Maritime Operations
	PGDip Advanced Hydrography for Professionals
	MSc Advanced Meteorology for Professionals
	MSc Advanced Navigation for Professionals
	MSc Advanced Oceanography for Professionals
MSc Advanced Hydrography for Professionals	

*Residential practicals are held in Plymouth, UK and/or Otago, NZ. Supplement fee may vary.

QUESTIONS

