




Day 1 - Agenda


SDB Day October 4th, 2022

Registration and Morning Coffee	09:00 – 09:40 CEST
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Dr. Thomas Heege	09:45 – 10:00 CEST
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 CEO – EOMAP	Welcome Agenda and ambition
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Steve Hall	10:00 – 10:25 CEST
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 Head of Partnership Programme – Seabed 2030	Keynote Seabed2030 – Importance of seabed mapping – Why SDB matters
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Dr. Knut Hartmann	10:25 – 10:50 CEST
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 COO EOMAP	SDB innovators
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Coffee Break	10:50 – 11:10 CEST
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Dhira Adhiwijna	11:10 – 11:35 CEST
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 Project and Product Manager Fugro	Optimising Hydrographic Surveys with Optical Satellite Imagery
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Idris Salaudeen		11:35 – 12:00 CEST
 <p>Junior SDB Expert SevenCs / ChartWorld Group</p>	Stay Away! – satellite information for avoiding risks	
Emily Twiggs		12:00 – 12:25 CEST
 <p>Senior Project Scientist at EOMAP Australia</p>	SDB in down under – Project highlights and contributions to Seabed2030	
Philip Warner		12:25 – 12:50 CEST
 <p>Director of Operations Smith Warner International</p>	Applications of SDB and SFC to nearshore coastal engineering design in the Caribbean	
Lunch Break – Seehof (around the corner)		12:50 – 14:05 CEST
Kevin Mackay		14:15 – 14:40 CEST
 <p>Marine Data Manager NIWA</p>	A Pacific Perspective	
Manfred Stender		14:40 – 15:05 CEST
 <p>Business Development Manager Fugro</p>	Drones – extremely high-resolution seafloor mapping	
Coffee Break		15:05 – 15:25 CEST



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Mona Reithmeier		15:30 – 15:55 CEST
	Couch surveying – Introducing the Webapp “SDB Online”	
Data Scientist – Product Lead SDB-Online EOMAP		
Edward Albada		15:55 – 16:20 CEST
	Coastal engineers’ perspective on SDB and satellite mapping	
Principal, EOMAP USA		
Closing remarks Day 1		16:20 – 16:30 CEST

Boat trip on Lake Ammersee	16:45 CEST
Dinner at Ammersee-Hotel (at the lakeside) – sponsored by Planet Labs Germany	18:30 CEST

About the speakers:

Dr. Thomas Heege

An international expert in satellite-based environmental data services for marine industries and water-related agencies. Since 1993, Thomas has been pioneering remote sensing technologies to provide information on coastal and inland aquatic environments. Starting his career at the German Aerospace Centre DLR and several water-related research institutes, he founded EOMAP in 2006. Meanwhile, the company has developed to a worldwide technology and market leader in the field of aquatic earth observation. Thomas graduated in Physics and holds a PhD in Space Sciences.

Steve Hall

A Chartered Marine Scientist, Fellow of the Institute of Marine Engineering, Science and Technology, and Fellow of the Society for Underwater Technology, Steve has worked in global ocean science, technology and policy for +thirty years. He's an expert in the fields of sustained ocean observing, marine autonomous systems, policy, industry liaison and outreach. He led the International Office at the UK's National Oceanography Centre, served as a tsunami warning national point of contact, and as a policy advisor before moving into the private sector in 2017 as CEO for the Society for



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Underwater Technology, and later as CEO Pembrokeshire Coastal Forum and Marine Energy Wales.

Emily Twiggs

As a Marine Geoscientist, Emily is responsible for delivering aquatic remote-sensing solutions to industry, academic, and government sectors, and identifying new business opportunities. She is an expert on satellite-based mapping and monitoring of shallow-water systems and focusing on the region of Australia / New Zealand / Oceania. Projects she was involved in include 3D bathymetry mapping (e.g. for survey or development planning), seafloor habitat mapping as well as monitoring water quality over large or remote areas (e.g. turbidity from dredging and dumping). Before joining EOMAP, Emily worked at Fugro Airborne surveys, the Australian institute of Marine Science and at Oceanwise Australia.

Dhira Adhiwijna

Dhira is an experienced hydrographic surveyor (FIG/IHO/ICA Category A) and project management professional with vast involvement in different global offshore surveys for oil and gas, renewable, hydrography and submarine telecommunications. Besides managing projects for Fugro Gauss, Dhira is also Product Manager for Fugro's "SatAnalytics", a tool that applies data analytics and cloud processing to optical satellite imagery for marine site characterisation. Dhira holds a Master of Science in Geomatics with Specialisation on Hydrography.

Idris Salaudeen

After concluding his Master's program in Hydrography at the HafenCity University in Hamburg, Idris is now working at the SevenCs/ChartWorld group. Idris is an SDB enthusiast and attended the maiden edition of the SDB Day event here in Herringch back in 2018. He has a keen mind for crucial matters around the maritime sector, especially navigation and safety. Idris is interested in alternative methods of mapping like SDB, to provide supplementary information for Nautical Charts and improve navigational safety. On SDB Day 2022, he will be presenting about the CIO+ Stay Away area service from ChartWorld, a service that uses satellite observations to detect shoals from space.

Dr. Knut Hartmann

Knut leads the team of a highly skilled team delivering geospatial data services. He has the interdisciplinary education and relevant work experience to support clients' geospatial demands across a range of industries. Prior to joining EOMAP in 2011, he was geodata analyst at an engineering firm and researcher at a federal research centre. He holds a PhD in environmental science and has received academic awards for excellence as well as the EU Copernicus Masters award. Knut chairs the SDB Best practice group.

Philip Warner

Phil holds a Master's degree in Coastal Engineering from Queen's University, Canada and over 25 years of professional experience in consulting throughout the Caribbean and North America. He has design, inspection, and appraisal experience for coastal protection, marine structures and



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oceanographic studies, in addition to the development and operation of numerous civil, structural, coastal and hydraulic engineering computer programs and numerical models. He also has field experience in marine structures construction supervision and inspection, hydrographic surveys and the deployment of oceanographic field equipment. His experience includes work done throughout the Caribbean region and internationally.

Kevin Mackay

Kevin is a Marine Geologist based at the National Institute of Water and Atmospheric Research (NIWA) in New Zealand, where he currently has the role of Center Head for the South and West Pacific Ocean Data Center of The Nippon Foundation/GEBCO Seabed 2030 project. He has worked on the collection, processing and management of bathymetric data. He was involved in more than 20 expeditions, ranging from the tropical Pacific to the Ross Sea in Antarctica. Over this time, he has authored 15 bathymetric charts and maps. Kevin is the New Zealand delegate for the International Oceanographic data and Information Exchange (IODE) Committee of the Intergovernmental Oceanographic Commission (IOC) of UNESCO and is a member of the GEBCO Sub-Committee on Undersea Feature Names (SCUFN). In 2017, Kevin was presented with an Award of Merit for Scientific and Technical Achievement from the Australasian Hydrographic Society.

Manfred Stender

Manfred started his professional career as system operator on board the German research vessel "FS Meteor". After three years on board and a change to shore, further appointments as Sales and Service manager as well as Project before he joined OSAE GmbH (later Fugro Germany Marine GmbH) in 2000. In the meantime, more than 20 years with the company and 13 years as Operations Manager and Project Manager, he changed to his current position as Business Development Manager and Senior Survey Consultant.

Mona Reithmeier

Mona is a specialist in Satellite-Derived Bathymetry. At EOMAP since 2020, she works as an EO Data Analyst within a number of commercial and R&D projects around the globe. Supported by a team of physicists and IT experts, she is responsible for the implementation, development and supervision of SDB-Online. She has provided training on the new WebApp globally and serves as point of contact for technical and related matters. Mona holds a MSc degree in Geography from Munich University.

Edward Albada

Born in Trinidad & Tobago, he was introduced to the tropical waters of the Caribbean from birth. His love of the sea led him to pursue an education in Coastal and Oceanographic Engineering at the University of Florida. He has amassed 25 years of experience working on coastal development from inception, modelling, design and construction across the globe, with particular experience in projects within the Caribbean. Edward was first introduced to EOMAP in 2015, and has applied EOMAP's services to many projects since. It transformed his approach to data and information gathering for his projects, in particular in uncharted, remote or inaccessible locations.