

# EMBS53

Ostend, Belgium | 17-21 September 2018

## Programme

Source: <http://www.vliz.be/events/embs53/conference-programme.html>

### Themes

- Science from a historical perspective
- Science in the North Sea
- Science in a modern era
- Citizen science
- General session

### Day 1 - Monday 17 September 2018

09:00-  
10:30 Registration and Mounting of posters

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10:30-  
10:40 Welcome by the organizing institute | Jan Mees, Flanders Marine Institute (BE)

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10:40-  
10:50 History of the EMBS, by Prof. Guido Persoone | Organiser of EMBS10, held in Ostend in 1975

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10:50-  
11:00 Welcome by the EMBS chair | Tasman Crowe, University College Dublin (IE)

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11:00-  
11:15 Pitches on the information booths

- Inter-Research Science Center | Christine Paetzold (DE)
- Flanders Marine Institute | Karen Rappé (BE)

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- EMBRC-ERIC | Jan Vanaverbeke (BE)
- VEMCO | Amy Brookman (CA)
- The Marine Biological Association | Matthew Frost (UK)
- EMODnet | Selene Álvarez Peña (BE)
- European Marine Board | Kate Larkin (BE)
- LifeWatch Belgium | Jolien Goossens (BE)
- Thelma Biotel | Annette Haugsdal (NO)

## Theme: Science from a historical perspective

*Chair: Tasman Crowe*

11:15- 12:00 [Science from a historical perspective](#) | Georg Engelhard, CEFAS (UK)

12:00- 12:15 [Reconstructing Mediterranean historical seascapes through the analysis of archives of underwater photographs](#) | Fabrizio Torsani, Polytechnic University of Marche (IT)

12:15- 12:30 [Marine Data Archeology: A heritage for future science](#) | Carolien Knockaert, Flanders Marine Institute (BE)

12:30- 14:00 Lunch + poster session

*Chair: Michiel Vandegehuchte*

14:00- 14:15 [Marked changes in megafauna composition of the North Sea require multidisciplinary collaborations: A historical overview](#) | Kees Camphuysen, NIOZ (NL)

14:15- 14:30 [Metchnikovellids as basal microsporidia: Research history and perspectives](#) | Gita Paskerova, Saint-Petersburg State University (RU)

14:30- 14:45 [Short history of the Adriatic marine science: Croatian naturalists and their contributions](#) | Jakov Dulcic, Institute of Oceanography and Fisheries (HR)

14:45- 15:00 [Climate-driven shifts of species ranges or just a bias? A case study of newly recorded molluskan species from the Barents Sea](#) | Ivan Nekhaev, Saint-Petersburg State University (RU)

15:00- 15:15 [Quantification of benthic biodiversity and biomass in time, space and changes with season at an Antarctic site](#) | Terri Souster, The British Antarctic Survey (UK)

15:15- 15:30 Yellow Submarine announcement | Ruth Vandepitte, Flanders Marine Institute (BE)

15:30- 16:00 Coffee break

*Chair: Ann-Katrien Lescauwat*

16:00- 16:15 [Fifty-year changes of phytoplankton in the deep-water basin of the Black Sea](#) | Alexander Mikaelyan, Russian Academy of Sciences (RU)

16:15- 16:30 [Transitional larval type of \*Alcyonidium hirsutum\* \(Bryozoa, Gymnolaemata\): From Van Beneden to the era of modern methods](#) | Olga Kotenko, Saint-Petersburg State University (RU)

16:30- 17:15 [The history of marine science in Belgium](#) | Ruth Pirlet, National Fisheries Museum (BE)

19:30- 21:00 Ice Breaker Reception

## Day 2 - Tuesday 18 September 2018

### Theme: Science in the North Sea

*Chair: Jacco Kromkamp*

09:00 - Science in the North Sea | [Han Lindeboom](#), Wageningen Marine Research (NL)  
09:45

09:45 - [Noise in the North Sea: How man-made underwater sound playbacks impact Norway lobster development](#) | Edward Bolger, Edinburgh Napier University (UK)  
10:00

10:00 - [A meta-analysis of isotopic compositions of North Sea marine mammals](#) | France  
10:15 Damseaux, Liège University (BE)

10:15 - [Interactions between biological and physical effects modify local biogeochemical cycling processes in offshore wind farms](#) | Jan Vanaverbeke, Royal Belgian Institute of Natural Sciences (BE)  
10:30

10:30 - Coffee break + poster session  
11:00

*Chair: Simon Claus*

11:00 - [BeRMS 2020 - Innovative census of Belgian marine biodiversity](#) | Michiel  
11:15 Vandegheuchte, Flanders Marine Institute (BE)

11:15 - [The impact of decades of environmental change on phytoplankton communities in the Belgian part of the North Sea](#) | Anja Nohe, Ghent University (BE)  
11:30

11:30 - [How several pressures influence the benthic ecosystem status in the Southern Bight of the North Sea?](#) | Gert Van Hoey, Institute for Agricultural and Fisheries Research (BE)  
11:45

11:45 - Benthic production and energy export from man-made structures to softbottoms: Does it matter? | Jennifer Dannheim, Alfred Wegener Institute (DE)  
12:00

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12:00 - Fish or garbage: Do diet and foraging choices of an avian scavenger impact on its breeding performance? | Alejandro Sotillo, Ghent University (BE)  
12:15

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12:15 - Measuring the 'shadow' effect of an artificial structure on benthic communities in the Southern North Sea | Lise Klunder, NIOZ & Utrecht University (NL)  
12:30

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12:30 - Lunch + poster session  
14:00

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*Chair: Gert Van Hoey*

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14:00 - The molecular basis for positive health effects of sea spray on human lung cells | Jana Asselman, Ghent University (BE)  
14:15

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14:15 - Benthic functional diversity along small scale natural sediment gradients: do functional aspects vary synchronously with species composition? | Dylan Griffith, Alfred Wegener Institute (DE)  
14:30

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14:30 - Improving restoration of a keystone species: Understanding the settlement behaviour of the European oyster *Ostrea edulis* | Ana Rodriguez-Perez, Heriot-Watt University (UK)  
14:45

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14:45 - Habitat impacts by beam and pulse trawling in the southern North Sea | Jochen Depestele, Institute for Agricultural and Fisheries Research (BE)  
15:00

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15:00 - Functional characteristics of the food web of artificial hard substrates of offshore wind farms along a depth gradient | Ninon Mavraki, Royal Belgian Institute of Natural Sciences (BE)  
15:15

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15:15 - [The walrus \(\*Odobenus rosmarus\*\): A distinctive member of the Pleistocene megafauna in Belgium](#) | Pascal Hablützel, Flanders Marine Institute (BE)  
15:30

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15:30 - Coffee break + poster session  
16:00

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*Chair: Eric Stienen*

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16:00 - [UK Marine Protected Areas monitoring: The North Sea and beyond](#) | Tamsyn Noble-James, Centre for the Environment, Fisheries and Aquaculture Science (UK)  
16:15

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## Theme: Science in a modern era

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16:15 - Science in a modern era: From science networks to network science | [Matthias Obst](#),  
17:00 University of Gothenburg (SE)

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17:00 - [Research Infrastructures offer capacity to address scientific questions never attempted before: Are all taxa equal?](#) | Christos Arvanitidis, Hellenic Centre for Marine Research  
17:15 (GR)

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17:15 - [LifeWatch marine data services supporting marine biodiversity and ecosystem research](#) |  
17:30 Klaas Deneudt, Flanders Marine Institute (BE)

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## Day 3 - Wednesday 19 September 2018

*Chair: Christos Arvanitidis*

09:00 - [The European Tracking Network: Connecting biotelemetry users in Europe](#) | Jan Reubens, Flanders Marine Institute (BE)  
09:15

09:15 - [BIO-Tide: an international collaboration to tackle the complexity of marine tidal flats](#) |  
09:30 Koen Sabbe, Ghent University (BE)

09:30 - [Current initiatives supporting dynamic evolvement and long term sustainability of Genomic Observatories in a European and international context](#) | Klaas Deneudt,  
09:45 Flanders Marine Institute (BE)

09:45 - [DNA barcodes for fish identification: To believe or not to believe](#) | Ekaterina Vasil'eva,  
10:00 M.V. Lomonosov Moscow State University (RU)

10:00 - [Migratory routes and stopover sites of the Lesser Black-backed Gull: Where to go if your options are endless?](#) | Jan Baert, Antwerp University (BE)  
10:15

10:15 - [OBIS 2.0: Towards real-time integration, quality control, and analysis of rich marine data streams](#) | Pieter Provoost, UNESCO/IOC Project Office for IODE (BE)  
10:30

10:30 - Coffee break + poster session  
11:00

*Chair: Colin Janssen*

11:00 - [Seascape-mediated patterns and processes of population differentiation in European seabass](#) | Filip Volckaert, University of Leuven (BE)  
11:15

11:15 - [Long-term plankton measurements using semi-automatic image classification techniques](#)  
11:30 | Luz Amadei Martinez, Flanders Marine Institute (BE)

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11:30 - [Heading South or North: Novel insights on European silver eel \(\*Anguilla anguilla\* L.\) migration in the North Sea](#) | Pieterjan Verhelst, Research Institute for Nature and Forest, Ghent University (BE)  
11:45

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11:45 - [What moves European sea bass?](#) | Jolien Goossens, Flanders Marine Institute (BE)  
12:00

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12:00 - [The Continuous Plankton Recorder Survey: 60 years of data and counting](#) | Jennifer Skinner, The Marine Biological Association (UK)  
12:15

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12:15 - Group picture  
12:30

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12:30 - Lunch + poster session  
14:00

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*Chair: Francisco Hernandez*

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14:00 - [Eavesdropping in the wild: What are porpoises and bats up to](#) | Elisabeth Debusschere, Flanders Marine Institute (BE)  
14:15

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14:15 - [The Census of Antarctic Marine Life, and its legacy 10 years on](#) | Anton Vandepitte, Royal Belgian Institute for Natural Sciences (BE)  
14:30

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14:30 - JMBA Special Issue | Matthew Frost, The Marine Biological Association (UK)  
14:45

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14:45 - Yellow Submarine: Practical information | Ruth Vandepitte, Flanders Marine Institute (BE)  
15:00

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15:00 -

18:00

Yellow Submarine Competition

## Day 4 - Thursday 20 September 2018

### Theme: Citizen science

*Chair: Jan Seys*

09:00 - Citizen Science | [Jane Delany](#), Newcastle University (UK)  
09:45

09:45 - [Web Ecological Knowledge \(WEK\): A still neglected scientific opportunity](#) | [Cristina Di Camillo](#), Polytechnic University of Marche (IT)  
10:00

10:00 - [From collecting data to the development of marine environmental status monitoring tools: The new level of citizen science](#) | [Eva Turicchia](#), University of Bologna (IT)  
10:15

10:15 - [New opportunities from Citizen Science for conservation assessments of the Mediterranean shark populations](#) | [Filippo Bargnesi](#), Polytechnic University of Marche (IT)  
10:30

10:30 - Coffee break + poster session  
11:00

*Chair: Massimo Ponti*

11:00 - [A century of marine citizen science](#) | [Jack Sewell](#), The Marine Biological Association (UK)  
11:15

11:15 - [Synergy between citizen science and artificial intelligence: The case study of \*Grampus griseus\* in the Northern Ionian Sea](#) | [Carmelo Fanizza](#), Jonian Dolphin Conservation (IT)  
11:30

11:30 - [Can data collected in the Citizen Science project EduMar be used to monitor coastal marine biodiversity in Portugal?](#) | [Cristina Luís](#), University of Lisbon (PT)  
11:45

11:45 - Capturing our Coast - Communications and key messaging to engage and retain citizen  
12:00 scientists over a three-year project | Debbie Winton, Earthwatch Institute (UK)

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12:00 - The RELIONMED EU-LIFE project: Public and stakeholder awareness of invasive  
12:15 lionfish in Europe | Niki Chartosia, University of Cyprus (CY)

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12:15 - 12:30 Announcement of EMBS54 | Tasman Crowe, University College Dublin (IE)

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12:30 - 13:30 Picnic lunch

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13:30 - 17:30 Excursions

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18:30 - 22:30 Conference dinner @Halve Maan (Brugge)  
including the announcement of the Poster Awards and the Yellow Submarine Trophy

## Day 5 - Friday 21 September 2018

Theme: General session

Chair: Jan Vanaverbeke

09:00 - [Phytoplankton response to anomalous physical-chemical conditions in the Gulf of Trieste \(Northern Adriatic Sea\)](#) | Tamara Cibic, National Institute of Oceanography and Applied Geophysics (IT)  
09:15

09:15 - [Salt marsh foraminifera from the subarctic White Sea](#) | Elena Golikova, Saint-Petersburg State University (RU)  
09:30

09:30 - [Statistical properties of alternative methods of fish abundance assessment in baited, remote, underwater video is higher than traditional trammel net sampling for fish stock assessment](#) | Dubravko Pejdo, University of Zadar (HR)  
09:45

09:45 - [The role of Marine Protected Areas in influencing the invasion success of the alien crab \*Percnon gibbesi\*](#) | Simona Noè, University of Palermo (IT)  
10:00

10:00 - [Trophic subsidy through ecosystems: role and dynamics of nearshore subtidal detrital accumulations of \*Laminaria hyperborea\*](#) | Florian de Bettignies, Sorbonne University (FR)  
10:15

10:15- Coffee break  
10:45

Chair: Klaas Deneudt

10:45 - [EMBRC-ERIC: A global reference research infrastructure for fundamental and applied marine biology and ecology research](#) | Jan Vanaverbeke, Royal Belgian Institute of Natural Sciences (BE)  
11:00

11:00 - Fish monitoring in the Mediterranean Sea: Statistical power of baited, remote,  
11:15 underwater video is higher than traditional trammel net sampling for fish stock  
assessment | Stewart Schultz, University of Zadar (HR)

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11:15 - In the eye of the holopelagic annelid *Tomopteris helgolandica* | Eve Otjacques, Catholic  
11:30 University of Louvain (BE)

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11:30 - Of natural predation and gastronomy: Who's eating the invasive lionfish (*Pterois miles*)  
11:45 in Cyprus (Levantine Sea) | Carlos Jimenez, Enalia Physis Environmental Research  
Centre (CY)

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11:45 - On the relationships between macrobenthos activities and sediment oxygen dynamics - A  
12:00 case study in the Schelde estuary | Xiaoyu Fang, Ghent University (BE)

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12:00 - Sustainability of marine biological stations: Lessons from a historical perspective | Ibon  
12:15 Cancio, University of the Basque Country (ES)

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12:15 - Closing ceremony | Tasman Crowe, University College Dublin (IE) and Jan Mees,  
12:30 Flanders Marine Institute (BE)

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12:30 - Lunch  
14:30

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