

CV Jeroen INGELS, Ph.D.

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Professional weblinks

Research profiles: ResearcherID; GoogleScholar; ResearchGate; LinkedIn

Social Media profiles: **FB:** Biodiversity.aq; FSU CML; International Association of Meiobenthologists; Marine Biology; Marine Biology News; **Twitter:** @Meiolab; @IAMeiofauna; @FSUCML; @MarBiolNews

Research Statement

I am a marine ecologist specialized in benthic ecology and biodiversity. Investigating how biological characteristics, such as ecosystem diversity, structure and functioning, operate and interact under environmental and anthropogenic change, is what drives most of my fundamental and more applied research. Whilst I am specialized in meiofauna (microscopic metazoans), particularly nematodes, I have always aimed at seeing them as part of the bigger research questions by connecting them to other marine components and documenting their role in ecosystem processes, such as biogeochemical cycling and food-web flows. Aside from using experimental and field research to advance knowledge on marine communities, I have also been involved in regional, Southern Ocean, and global assessments of anthropogenic and climate-change impacts on marine ecosystems. Without seeing the bigger picture, the meaning of the small-scale discoveries will get lost.

During my career I have had the opportunity to work on coastal, shelf, and deep-sea habitats (e.g. submarine canyons, seeps, slopes, abyss, oxygen minimum zones) around the world, and to utilize a diverse range of scientific techniques and disciplines. I have been able to use these experiences in developing my longer-term research strategy and pursuing a multidisciplinary understanding of the processes and functions of marine ecosystems, and the mechanistic links and ecological interactions between the different community components. In this context, it is also important to appreciate the different spatial and temporal scales on which the processes, functions, and links can operate.

As we are trying to complete the catalogue of marine life and have started to move towards unraveling the way ecosystems function, it has become clear that we need to understand far more about the way in which biota interact, and how biota and their interactions change over space and time and in response to environmental change. It is in this context of biological interactions that my research has developed in the past few years, a path I am keen to pursue in the future.

Professional Appointments

02/2017 – present	Research Faculty I , Florida State University Coastal and Marine Laboratory, USA
01/2015 – 12/2016	PML Postdoctoral Fellowship , Marine Ecology and Biodiversity, PML, UK – Honorary Research Fellow , Dpt. of Biosciences, University of Exeter, UK.
01/2013 – 12/2014	Marie Curie Postdoctoral Intra-European Fellowship , PML, UK.
01/2010 – 12/2012	Post-doctoral Researcher , Marine Biology Research Group, UGent, Belgium; Biology of Antarctic Zoobenthos, project coordination; Impact of climate induced glacial melting on marine coastal systems in the Western Antarctic Peninsula region; EC FP7 Hotspot Ecosystem Research and Man's Impact on European Seas.

Education

05/2005 – 12/2009	PhD Marine Biology, Deep-Sea Ecology , Marine Biology Research Group, UGent, Belgium EU FP6 HERMES and EU FP7 HERMIONE projects (Supervisor Prof. Ann Vanreusel, mentoring at NOCS by Prof. Em. Paul Tyler)
2003-2004	MSc Advanced Studies in Marine and Lacustrine Sciences (Magna Cum Laude), Marine Biology Research Group, UGent, Belgium (Supervisors Prof. Ann Vanreusel, Dr. Sandra Vanhove)
1998-2003	BSc and MSc Biology , main subject: Zoology (Magna Cum Laude), UGent, Belgium, (supervisor M.Sc. thesis Prof. Em. Achilles Gautier)

Additional Courses: 2015, Challenges of Scientific Leadership, Barefootthinking, UK; 2013, Project Management using PRINCE2 methodology (Landd Consultancy); 2013, Analysis of multivariate data from ecology and environmental science using Primer (Robert Clarke, Paul Somerfield; Primer-E, PML, MBA); 2011, Analysis of multivariate data from ecology and environmental science using PERMANOVA+ (Marti Anderson and Robert Clarke; Primer-E, PML, MBA); 2008, Media Skills Workshop, SciConnect Ltd; 2008, Career training workshop, Jacobs University Bremen, Career Services centre, Faro, Portugal; 2005, Postgraduate Certificate: Academic English, Writing Skills (UGent Language Centre); 2005, Sea Survival Course/ Personal survival at sea (Warsash, UK).

Awards, Grants and Projects

Current

- Student PhD projects: 1) Meiofauna structure, function and genetic connectivity of SE Pacific Seamounts and Atacama Trench; 2) Microplastics impacts on meiofauna and nematodes in the Gulf of Mexico.
- PI in DeepGreen EIA Meiofauna Environmental Survey in CCZ (Pacific) in the context of deep-sea mining (approved 2020; ca. \$245k)
- Co-PI in BlueRevolution Biodiversity underestimation in our bLUe planEt: artificial intelligence REVOLUTION in benthic taxonomy (~400k EUR)
- Collaborator EU-Horizon2020 MSCA RISE: Coastal Ecosystem Carbon Balance in Times of Rapid Glacier Melt CoastCarb (total award EUR 1,771,000; no USA budget awarded, 3 person-months secondments to FSUCML)
- Co-PI on NOAA OE project proposal (awarded 2018-2019): Combining habitat suitability and physical oceanography models for targeted discovery of new benthic communities on the west Florida slope (\$426,316)
- Co-PI on Florida Sea Turtle Grants Program and PADI projects (awarded 2018-2019): Life on Loggerheads: an integrated epibiosis study to assess foraging behavior, reproductive success and habitats of Northern Gulf of Mexico loggerheads nesting at St. George Island (\$10,571; \$5,000)
- Lead-PI in contracts with Troy University, AL (2018, 2019) Meiofauna monitoring in the Gulf of Mexico; Nematode communities from Gulf of Mexico Shelf, Louisiana (\$6,000)
- Lead PI on NSF-OPP funded project (1750903; 2018-2019): Collaborative Research: Workshop—Antarctic Ecosystem Research following Ice Shelf Collapse and Iceberg Calving Events (\$29,938)
- Collaborator on Australian Antarctic Division project (2012-2018, extension): Antarctic Free Ocean Carbon Enrichment (AntFOCE) – meiofauna communities (subcontract: £7,000; Total AntFOCE project award: AAD: \$600,000 (+\$3,700,000 in kind); ARC LEIF: \$250,000; ARC AGP: \$1,200,000)
- Collaborator on NERC, UK project ChAOS: The Changing Arctic Ocean Floor (2017-2021; total project award £2.1m, no USA funds)
- Start-up Grant at Florida State University Coastal and Marine Laboratory (2017-2020; \$190k)

Previous

PML Post-Doctoral Research Fellowship (2014; 2yr-salary + £10,000 research funding); Marie Curie IEF-ENV Fellowship in EU FP7 (2011; ~209,000 €); Antarctic Science Ltd. Bursary (2011; £4200); HERMIONE Bursary (EUF7 project, education-mobility grant, 2011 - full travel and subsistence); Research Foundation, Flanders (mobility grant, 2007, 2008, 2010, 2011 – full travel and subsistence); **Collaborative grants:** British Council Researcher Exchange (Prof. Giovanni Santos from Federal University of Pernambuco, Recife, Brazil); China Scholarship Council (Assistant Prof. Yongfen DU, Nanjing University, China); China Scholarship Council (Dr. Er HUA, Ocean University China, Qingdao)

Past Research Project involvement

- Western Channel Observatory – Benthic Survey: <http://www.westernchannelobservatory.org.uk/>
- MERP: NERC-Defra funded Marine Ecosystems Research Programme (<http://www.marine-ecosystems.org.uk/>)
- SSB: NERC-Defra funded Shelf Sea Biogeochemistry Programme (<http://www.uk-ssb.org/>)
- MESMEC: Meiofauna in shallow-water marine ecosystems: a monitoring, experimental and modelling study to understand shallow-water meiobenthic function in marine ecosystems and assess its economic value
- RISCs: Research into impact and safety in CO₂ storage. (<http://www.riscs-co2.eu/Home.aspx?section=1>)
- QICS: Quantifying and monitoring potential ecosystem impacts of geological carbon storage. <http://www.bgs.ac.uk/qics/>
- ECO2: sub-seabed CO₂ storage: Impact on marine ecosystems. <http://www.eco2-project.eu/>

- INDEEP: International Network for Scientific Investigations of Deep-Sea Ecosystems. <http://www.indeep-project.org/>
- IMCOAST: Impact of climate change induced glacial melting on marine coastal systems in the Western Antarctic Peninsula region, ESF project funded by several national agencies, 2009 – 2012. <http://www.imcoast.org/about-the-project/>
- BIANZO II – Coping with change: Biodiversity of ANtartic ZOobenthos, Belgian Science Policy, 2006 – 2012 <http://www.belspo.be/belspo/fedra/proj.asp?l=en&COD=SD/BA/02A>
- HERMIONE: Hotspot Ecosystem Research and Man's Impact on European Seas (EU FP 7 programme) <http://www.eu-hermione.net/>
- NEMYS Generic online species information system <http://nemys.ugent.be>
- HERMES (Hotspot Ecosystem Research on Margins of European Seas, EC FP6, 2005 - 2009) <http://www.eu-hermes.net/>
- MANUELA (Meiobenthic and Nematode Diversity; Unravelling Ecological and Latitudinal Aspects, 2005 - 2008) <http://www.marbef.org/projects/Manuela/index.php>
- MARBEF (Marine Biodiversity and Ecosystem Functioning - EU Network of Excellence, 2004 – 2009) <http://www.marbef.org/>
- CoML (Census of Marine Life, 2000 – 2010) with CAML (Census of Antarctic Marine Life, including ANDEEP, ANDEEP-SYSTCO) and CeDAMar (Census of the Diversity of Abyssal Marine Life) projects. <http://www.coml.org/>

Publications (2017-2019 only)

>50 international peer reviewed publications; 6 in prep., 2 book chapters in prep., 2 book chapters published, 37 published datasets (Pangaea, OBIS). Google scholar: H-index 27, i10 index 43, citations 3039. Abstracts, presentations, reports and popular science articles: >100 to date. Peer-reviewed articles listed below 2017-2020 only. For full publication list: <https://scholar.google.co.uk/citations?hl=en&pli=1&user=sADhdYsAAAAJ>

1. *Ingels J, Amon D, Bik HM, Bernardino A, Bhadury P, Clark MR, Dahlgren TG, Jones DOB, McClain C, Nunnally C, Snelgrove P, Yasuhara M (UN review) World Ocean Assessment II Chapter 7O Abyssal Biodiversity
2. *Levin LA, Narayanaswamy B, Ingels J, Hall-Spencer J, Clark MR, Metaxas A, Hopcroft R, Auster P, Yasuhara M (Un review) World Ocean Assessment II Chapter 7L Continental Slopes and Submarine Canyons Biodiversity
3. Ingels J, Aronson RB, Smith CR, Baco-Taylor A, Bik HM, Blake JM, Brandt A, Cape M, DeMaster D, Dolan E, Domack E, Fire S, Geisz H, Griffiths H, Halanych KM, Havermans C, Huettmann F, Ishman S, Kranz S, Leventer A, Mahon A, McClintock J, McCormick ML, Mitchell BG, Murray A, Peck L, Rogers A, Shoplock B, Smith KE, Steffel B, Stukel M, Sweetman A, Taylor M, Thurber AR, Truffer M, Van de Putte A, Vanreusel A, Zamora-Duran A (minor revision resubmitted) Antarctic ecosystem responses following ice shelf collapse and iceberg calving: science review and future research. *WIREs Climate Change*
4. Ingels, J. O. G., Valdes, Y., Pontes, L., Silva, A., Neres, P., Correa, G., Silver-Gorges, I., Fuentes, M., Gillis, A., Hooper, L., Ware, M., O'Reilly, C., Bergman, Q., Danyuk, J., Sanchez Zarate, S., Acevedo Natale, L., & dos Santos, G. (2020). Meiofauna Life on Loggerhead Sea Turtles-Diversely Structured Abundance and Biodiversity Hotspots That Challenge the Meiofauna Paradox. *Diversity MDPI*, 12(5), 203
5. Landers S, Bassham R, Miller J, Ingels J, Sanchez N, Sorensen M (2020) Kinorhynch communities on the Alabama coast. *Marine Biology Research*: 1-11
6. Stark JS, Mohammad M, McMinn A, Ingels J (2020) Diversity, abundance, spatial variation and human impacts in marine meiobenthic nematode and copepod communities at Casey station, East Antarctica. *Frontiers in Marine Science – Global Change and the Future Ocean*. Submitted to special research topic Extreme Benthic Communities in the Age of Global Change, *Frontiers in Marine Science*, 7(480)
7. Sahraeian N., Hosseinzadeh H., Mosallanejad H., Ingels J., Semprucci F. (2020) Temporal and spatial variability of free-living nematodes in a beach system characterized by a gradient of anthropogenic disturbance (Bandar Abbas, Persian Gulf, Iran). *Ecological Indicators*. 118: 106697.
8. Román, S., Lins, L., **Ingels, J.**, et al. (2019). Role of spatial scales and environmental drivers in shaping nematode communities in the Blanes Canyon and its adjacent slope. *Deep Sea Research Part I*. 146: 62-78
9. Queirós, A. M., N. Stephens, S. Widdicombe, K. Tait, S. J. McCoy, **J. Ingels**, et al. (2019). "Connected macroalgal-sediment systems: blue carbon and foodwebs in the deep coastal ocean." *Ecological Monographs* e01366

10. Landers, S. C., Sørensen, M. V., Sánchez, N., Beaton, K. R., Miller, J. M., & **Ingels, J.** (2019). Kinorhynch communities on the Louisiana continental shelf. *Proceedings of the Biological Society of Washington*, 132(1), 1-14.
11. Stark JS, Kirkwood W, Peltzer E, Kline DI, Queirós A, Cox TE, Headley K, Barry J, Gazeau F, Runcie J, Widdicombe S, Milnes M, Roden N, Black J, Whiteside S, Johnstone G, **Ingels J**, et al. (2019) Free Ocean CO₂ (FOCE) experiments: technical and scientific advice for future in situ ocean acidification projects. *Progress in Oceanography*, 172, 89-107.
12. Neira, C.; **Ingels, J.**; et al. (2018) Distribution of Meiofauna in Bathyal Sediments Influenced by the Oxygen Minimum Zone off Costa Rica. *Frontiers in Marine Science* 5(448):1-17
13. **Ingels, J.**; Aronson, R. B.; Smith C.R. (2018) The scientific response to Antarctic ice-shelf loss. *Nature Climate Change* 8(10), 848.
14. Lampadariou, N., **J. Ingels**, M. Schratzberger and D. Thistle (2018). "“Meiofauna research approaching 2020: knowledge gaps and new avenues”, an introduction to the special meiofauna issue resulting from IçIMCo, the 16th International Meiofauna Conference." *Journal of Experimental Marine Biology and Ecology* 502: 1-3.
15. dos Santos GAP, Corrêa GVV, Oliveira DA, Fonseca-Genevois VG, Valdes Y, Silva AC, Pontes LP, Dolan E, **Ingels J** (2018) *Eretmochelys imbricata* shells present a dynamic substrate for a facilitative epibiont relationship between macrofauna richness and nematode diversity, structure and function. *Journal of Experimental Marine Biology and Ecology*. 502:153-163
16. **Ingels J**, et al. (2018) Short-term CO₂ exposure and temperature rise effects on metazoan meiofauna and free-living nematodes in sandy and muddy sediments: results from a flume experiment, *Journal of Experimental Marine Biology and Ecology*, 502:211-226.
17. Schratzberger M, **Ingels J** (2018) Meiofauna matters: The roles of meiofauna in benthic ecosystems. *Journal of Experimental Marine Biology and Ecology*, 502:12-25
18. Du Y, Gao S, Liu X, Wang D, Zhang L, **Ingels J** (2018) Meiofauna community characteristics indicate ecological changes induced by geomorphic evolution: a case study on tidal creek systems. *Ecological Indicators* 87, 97-106
19. Zeppilli D, Leduc D, Fontanier C, Fontaneto D, Fuchs S, Gooday AJ, Goineau A, **Ingels J**, et al. (2018) Characteristics of meiofauna in extreme marine ecosystems: a review. *Marine Biodiversity*, 48(1): 35-71 Roman S, Vanreusel A, **Ingels J**, Martin D (2018) Nematode community zonation in response to environmental drivers in the Blanes Canyon (NW Mediterranean). *Journal of Experimental Marine Biology and Ecology*, 502, 111-128.
20. Stark JS, Mohammad M, McMinn A, **Ingels J** (2017) The effects of hydrocarbons on meiofauna in marine sediments in Antarctica. *Journal of Experimental Marine Biology and Ecology*, 496: 56-73.
21. Aldridge JN, Lessin G, Amoudry LO, Hicks N, Hull T, Klar J, Kitidis V, McNeill CL, **Ingels J**, et al. (2017) Comparing benthic biogeochemistry at a sandy and a muddy site in the Celtic Sea using a model and observations. *Biogeochemistry*, 135(1-2): 155-182
22. Thompson, C.E.L., Silburn, B., Sivyer, D., Amoudry, L.O., Widdicombe, S., **Ingels, J.**, Hale, R., Laguionie-Marchais, C., Smith, H.E.K., Klar, J.K., Hiddink, J.G., Kitidis, V., Reynolds, S., Homoky, W.B., Godbold, J.A., Aldridge, J., Mayor, D.J., Benoist, N.M.A., Bett, B.J., Morris, K.J., Parker, E.R., Ruhl, H.A., Statham, P.J. and Solan, Martin (2017) An approach for the identification of exemplar sites for scaling up targeted field observations of benthic biogeochemistry in heterogeneous environments *Biogeochemistry*, 1-34. Available online:
23. Sweetman AK, Thurber AR, Smith CR, Levin LA, Mora C, Wei C-L, Gooday AJ, Jones DO, Rex M, Yasuhara M, **Ingels J**, et al. (2017) Major impacts of climate change on deep-sea benthic ecosystems. *Elem Sci Anth* 5(4),

Presentations

Invited seminars: 12 invited seminars at institutes in UK, France, Belgium, China, South Korea and USA (2009-2019)

Presentations at national and international conferences and symposia: >60 oral and poster presentations

2019-2020 contributions:

Soto, E., Quiroga, E., Ingels, J. O. G., Seid, C., Horacek, J., Romero, J., Catalan, N., Dhugal, L., & Rouse, G. (presented 2020, May). Avances en el conocimiento de ecosistemas bentónicos sedimentarios profundos asociados

- a montes submarinos y la fosa de Atacama en el Pacífico sudeste. Presentation at XL Marine Sciences Conference, Sociedad Chilena de Ciencias del Mar, Punta Arenas, Chile. (National) cancelled COVID19.
- Horacek, H., & Ingels, J. O. G. (presented 2020, February). Community Composition of Deep Sea Meiofauna in the Atacama Trench and Pacific Seamounts. Poster presentation at Ocean Sciences Meeting 2020, AGU/ASLO, San Diego, USA. (International) Retrieved from <https://agu.confex.com/agu/osm20/meetingapp.cgi/Paper/651024>
- Zeppilli, D., & Ingels, J. O. G. (presented 2020, February). Extreme marine nematodes towards the comprehension of origin and evolution of life in our changing Planet. Poster presentation at Ocean Sciences Meeting 2020, AGU/ASLO, San Diego, USA. (International) Retrieved from <https://agu.confex.com/agu/osm20/prelim.cgi/Paper/645839>
- Dos Santos, G., Vazquez, Y., Pontes, L., Silver-Gorges, I., Silva, A., Bergman, Q., Fuentes, M., Zarate, S., & Ingels, J. O. G. (presented 2020, February). Meiofauna life on loggerhead and hawksbill sea turtles. Presentation at Ocean Sciences Meeting 2020, AGU/ASLO, San Diego, USA. (International) Retrieved from <https://agu.confex.com/agu/osm20/prelim.cgi/Paper/650822>
- Ingels, J. O. G., & Zeppilli, D. (presented 2020, February). Why can nematode-prokaryotic symbioses be associated with deep-sea hotspots? Poster presentation at Ocean Sciences Meeting 2020, AGU/ASLO, San Diego, USA. (International) Retrieved from <https://agu.confex.com/agu/osm20/meetingapp.cgi/Paper/646532>
- Ingels, J. (presented July 2019). Not just scratching the surface - Adding deep-sea meiofauna to the bigger picture. Keynote presentation to be given at Seventeenth International Meiofauna Conference, International Association of Meiobenthologists, Evora, Portugal. (International) <http://www.seventimco.uevora.pt/book.pdf>
- Dos Santos, G., Pontes, L., Silva, A., Gorges, I., Bergman, Q., Vazquez, Y., Fuentes, M., Zarate, S., Ingels, J. (presented July 2019). Meiofauna life on loggerhead and hawksbill sea turtles. Presentation at the Seventeenth International Meiofauna Conference, Evora, Portugal (International) Retrieved from <http://www.seventimco.uevora.pt/book.pdf>
- Landers, S.C., Bassham, R., Miller, J.M., Ingels, J., Sanchez, N., Sorensen, M. (presented July 2019) Kinorhynch diversity on the Alabama coast. Presentation at the Seventeenth International Meiofauna Conference, Evora, Portugal (International) Retrieved from <http://www.seventimco.uevora.pt/book.pdf>

Synergistic Activities

Conference/Workshop organisation, scientific committees and session chairs (selected)

- Organiser/Chair of joint session at Ocean Sciences Meeting, San Diego, California, USA (16-21 February 2020).
- Organiser/Chair of session at Ocean Sciences Meeting, Portland, Oregon, USA. ME24A “Benthic Meiofauna Structure, Pattern, and Function in Ocean Basins”, February 2018.
- Lead PI and organizer/chair of NSF-OPP funded Workshop: “Antarctic Ecosystem Research following Ice Shelf Collapse and Iceberg Calving Events”, November 2017 at the FSU CML
- Organizer and chair of special session “Ecological and evolutionary paradigms in marine biology and how we can use meiofauna to address them” at the 3rd World Conference on Marine Biodiversity, October 2014, Qingdao, China
- Member of the organising and scientific committees for Plymouth Science and Education Foundation conference, November 2013, PML, UK
- Chair of discussion session on physiological vulnerability of Southern Ocean fauna at the CAML-CEDAMAR workshop, March 2010, Senckenberg Institute Wilhelmshaven
- Member of the organising and scientific committees for the Fourteenth International Meiofauna Conference, July 2010, UGent, Belgium
- Chair of session “coping with climate change” at EU FP7 HERMIONE meeting on “Anthropogenic impacts in the deep sea”, October 2009, SCIC Barcelona, Spain

Advising, mentoring, teaching

- Currently Main Advisor for 2 PhD students and running a lab with between 10-15 undergraduate students (DIS, volunteering); further member of advisory committees for 2 USA students.
- In the past mentoring for 3 PhD students (UK, Spain, Brazil), Co-advisor and Mentor for 4 M. Sc. Students (Italy, UK, Spain, Belgium)
- Past mentoring for undergraduates: 6 students (UK, USA, Belgium)

Teaching: Biostatistics, Extreme Environments, Ecology of Marine Benthos and Oceanographic and Biological Sampling at Sea, Morphology and Systematics of Invertebrates, Biosphere, Vertebrate Histology, Marine Biology Field Course

Science-Policy Activity

- Presentation for Congressional (USA) representatives at the FSUCML, 5 April, 2018
- Attended the Parliamentary and Scientific Committee Discussion Meeting on deep-sea mining, December 2013, Parliamentary building, London, UK
- Active member of ICES Working Group on Deep-Water Ecology. Attending yearly meetings to assess evidence of vulnerable marine ecosystems and suggest trawl fisheries closure areas, to discuss other terms of reference (ICES/NAFO), and draft reports and recommendations for the ICES advisory committee (2012-present)
- Participated in the Expert Meeting to develop a series of joint expert review processes to monitor and assess the impacts of ocean acidification on marine and coastal biodiversity, October 2011, Convention of Biological Diversity (UNEP/CBD), Montreal, Canada
- Invited to participate in the Belgian Science Policy Scientific workshop with State Oceanic Administration China, June 2012, BESLPO offices, Brussels, Belgium
- Participation and presenting evidence at 2009 and 2010 Science-Policy Panel meetings attended by HERMES and HERMIONE scientists and European Union Directorate General Representatives to communicate policy advice

Seagoing and field activities

- 2019 RV Point Sur, NOAA Ocean Exploration, Gulf of Mexico Florida Slope. Deep-sea ROV and benthic sampling operations (Co-PI)
- 2019 Initiated own 30-station Benthic Survey with seasonal sampling in northern Gulf of Mexico
- 2018-2019 Summer field campaigns (#lifeonloggerheads night-time surveys) in Gulf of Mexico
- 2013-2015 RV Quest (field work for several projects)
- 06/2011 RV Belgica (French Margin - Benthic diversity and functioning along continental slope). *Chief scientist - Planning and coordination*
- 06/2010 RV Belgica (Irish Margin – Canyons, Geology/Biology/ROV). *Vice chief scientist - Planning and coordination*
- 05-06/2007 RV James Cook (Portuguese and Irish margins - Canyons, Geology/ Oceanography/ Biology/ ROV)
- 06/2006 RV Belgica (Irish Margin - Canyons, Geology/Biology). *Vice chief scientist - Planning and coordination*
- 04-05/2006 RV Charles Darwin (Portuguese Margin - Canyons, Geology/ Oceanography/ Biology)
- 07-08/2005 RV Discovery (Portuguese Margin - Canyons, Geology/ Oceanography/ Biology)
- 01-04/2005 ANDEEP3 scientific cruise on RV Polarstern (Antarctic – deep sea, Geology/Oceanography/ Biology)
- 2005 – 2012 Assistance in numerous sampling campaigns of colleagues on the Belgian coast and at sea
- 04/2004–2012 RV Belgica (North Sea – sandbank geology and biology, and teaching oceanographic tools). *Planning and coordination*

Contributing Editor for Marine Ecology – Progress Series; **Guest Editor** for Journal of Experimental Marine Biology and Ecology (special issue on meiofauna, 2016-2017, published in print in 2018), Frontiers in Marine Science (research topic: Anthropogenic disturbances in the deep sea, 2016-2017; Deep-Sea Fisheries and Vulnerable Marine Ecosystems, 2019-2020; Extreme Benthic Communities in the Age of Global Change 2019-2020)

Peer-reviewer for Science Advances (AAAS), Nature Sci. Rep., Env. Microbiol., Ecol., L&O, Progr. in Oceanog., Antarctic Environments Portal, Biodiversity Data Journal, Deep-Sea Research I and II, Marine Ecology – Progress Series, Marine Biology, Marine Biodiversity, Bulletin of Marine Science, ISME, Aquatic Ecology, Journal of Exp. Marine Biol. & Ecol., Marine Env. Res., Continental Shelf Res., Mol. Ecol. Resources, Polar Biology, Ecological Indicators, Cahiers de Biologie Marin, Biogeosciences, PLoS ONE, Hydrobiologia, Helgoland Marine Research, Systematics and Biodiversity, Nematology, Marine Ecology, J. of the Marine Biol. Assoc. UK. Review Editor for Frontiers in Marine Science (Marine Ecosystem Ecology, Marine Systematics and Taxonomy, Deep-Sea Environments and Ecology)

Grant reviewer for SeaGrant; National Environmental Research Council, NERC, UK (2018, 2019); Fonds de la Recherche Scientifique – FNRS (2016-2018); Eurofleets (2014, 2017, 2019); Research Foundation – Flanders (FWO); Polish Academy of Sciences (PAN) (2016), National Science Centre Poland (2017).

PhD examiner for (1) Joan M Alfaro-Lucas (2019) Influence of hydrothermal activity and substrata nature on faunal colonization processes in the deep sea; (2) D Apolonio Silva de Oliveira (2017) “Biodiversity and connectivity of the nematofauna for sustainable management of exploited macroalgal communities along the Brazilian coast”, Federal University of Pernambuco, Recife, Brazil & Gent University; (3) *M Taheri* (2016) “The effect of oxygen stress (hypoxia and anoxia) on free-living marine nematodes in coastal ecosystems”, Gent University; (4) *Laetitia Gunton* (2015) “Deep-sea macrofaunal biodiversity of the Whittard Canyon (NE Atlantic) University of Southampton; (5) *E Pape* (2013) “Diversity and function of free-living marine nematodes in the Mediterranean Sea” Ghent University; (5) *NX Quang* (2012) “The ecology of free-living marine nematodes of the Mekong estuaries, Vietnam” Ghent University.

Outreach

- Organizer, host and moderator of the Meiolive series, presentations by meiofauna researchers worldwide to facilitate communication among the scientific community. Recorded presentations available via <https://www.youtube.com/user/13jingels>
- Regular presentations on research at the Florida State University Coastal and Marine Laboratory (general public, trustee members, school children, lecture series)
- Organizing K12 outreach activities in North Florida (Wakulla, Franklin, Leon County) termed Polar Academy in the framework of NSF-funded workshop activities (in collaboration with FSU school outreach program and POLAR ICE – Polar Literacy initiative).
- Teaching Ocean and Earth science and Marine Science to secondary school pupils, as part of project initiatives as well as through providing outreach sessions via personal school contacts
- Organizing and assisting press releases for major articles and web, magazine and radio coverage (e.g. theconversation.com; Voice of Russia, Knack, etc. achieving exposure to 100,000s)
- Regular newsletter contributions (Deep-Sea Life, Psammonalia, Belgian Science Policy news magazine, Newsletters for projects such as EU FP7 HERMIONE, and EU FP6 HERMES)
- Avid social media user to disseminate and reach out to scientific community and general public. I am administrator of 5 professional Facebook pages and 3 twitter account (aside my personal profiles), totalling >4,000 followers and reaching 1000s of people each week with marine biology news. I also started SLACK working space for the International Association of Meiobenthologists.
- Participating and organising of exhibitions of pictures from research campaigns to the general public; sometimes these are part of science-orientated initiatives, sometimes private to a layman audience
- Organizing and conducting public exhibitions and information sessions on marine biology (e.g. Night of the Researcher)

Professional affiliations

- United Nations Pool of Experts
- International Association of Meiobenthologists (IAM) executive committee (2019-2025) and IAM board of correspondents – social media outreach (2013-present)
- Association for the Sciences of Limnology and Oceanography
- ICES working group on deep-water ecology (BE, UK, ICES WG DEC)
- International Network for Scientific Investigations of Deep-Sea Ecosystems (INDEEP) Biodiversity and Ecosystem Functioning working groups, and Deep-Ocean Stewardship Initiative
- Deep-Sea Biological Society