

# Participants of the DEB tele course 2017

updated 2017/03/08

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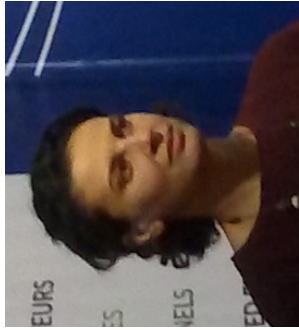


Undergraduate degree in Marine Biology. PhD Marine Biology. — mark certificate  
Physiological and Behavioural ecology of fishes. Especially interested in linking organismal performance to environmental conditions in order to predict how natural system respond to change. — practical course symposium

Adriana Sardi  
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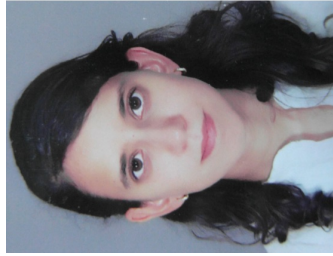


fitting of survival data using GUTS, basic coding in Matlab and good knowledge of R + mark certificate  
In overall, to understand the effects of pollutants in marine benthic organism (in a non species-specific way). I consider there is great potential in evaluating ecological interactions and multiple abiotic variables together with ecotoxicological data derived from process-based models as DEBtox. — practical course symposium



Afef Bousadia  
Tunisia  
Soussse  
Tunisia  
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Fishery engineer, (aquaculture) Master of production and aquatic ecosystem + mark  
Growth models response to temperature response to feed practical course +  
model adaptation response to feed symposium -  
model adaptation response to feed symposium -



Amani Doghri  
Tunis Belle vue  
Tunisia  
amani.doghri@gmail.com

national engineering diploma in food industry and agronomy - mark  
Biopolymer extraction from plants and animals Detoxification from the body Neutraceutical production Statistics Aromatherapy +  
practical course -  
symposium -



Amina Bouslama  
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Tunisia  
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Biology Industrial Engineer  
Bioinformatics , Biomathematics

- mark
- + certificate
- practical course
- symposium

ANA ISABEL CATARINO  
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UK  
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- mark
- certificate
- practical course
- symposium

Marine biologist (graduation Lisbon, Portugal), ecotoxicologist, physiologist, ecologist (PhD Brussels, Belgium)  
My main research interests are focused on the anthropogenic impacts on marine organisms. I've studied ocean acidification effects in the metabolism and biomineralization of sea urchins and starfish and right now I'm working on micro- and nanoplastic impacts on fish and mussels, as well as on their associated co-contaminants.





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Biology, ecology, ecotoxicology, animal physiology, molecular  
plant pathology - mark  
- certificate  
+ practical course  
- symposium  
Population biology, community ecology, predator-prey inter-  
actions, multiple stressors, individual based modelling, toxi-  
cokinetics and toxicodynamics



ANDREA  
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CAMPOS- PhD in Marine Sciences and Applied Biology (2014-  
currently). - mark  
+ certificate  
+ practical course  
- symposium  
The aim of my PhD project is to explore whether there are  
differences in the transference processes of mass and energy  
depending on the vulnerability degree of a given fish, by dis-  
entangling the mechanistic relationships among (1) behav-  
ior/activity pattern, (2) food assimilation rate, (3) growth  
and (4) reproductive potential.



Angie Peace  
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Lubbock  
USA  
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Applied mathematics, dynamical systems

My research in Mathematical Biology provides quantitative and qualitative improvements in the predictive power of theoretical and computational population ecology. I use dynamical systems theory and tools to develop, analyze, and interpret mathematical models of biological systems, spanning the fields of ecology, toxicology, and epidemiology.

– mark  
– certificate  
– practical course  
– symposium

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Anna Carter  
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251  
IA Ames  
USA  
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microclimate modelling, statistical programming, GIS remote sensing, thermal biology

My research focuses on mechanistic constraints on species distributions, with an emphasis on predicting the consequences of climate and land-cover change. Currently, I am examining the intersections of environmental variation and evolutionary adaptation to identify mechanisms by which thermally-mediated traits in reptiles can respond to broad-scale environmental variation.

– mark  
+ certificate  
– practical course  
– symposium

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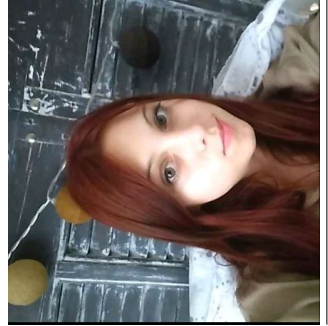


Marine Ecology, Functional Ecology, Climate Changes, Multiple Stressor, Bioenergetics, Aquaculture

My actual interests are about the effect of multiple stressors on intertidal and subtidal organisms, with a particular focus on the effects of microplastics on the energetic budget of marine organisms. I'm currently studying how those pollutants may interact with current climate change events and affect organisms.

+ mark  
 + certificate  
 + practical course  
 - symposium

Audrey Souloumiac  
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 toulon  
 Signes  
 France  
 audrey.souloumiac@hotmail.fr



I use DEB model for my M2 internship Within the MIO with Leo Berlin.

Research on *Pelagia noctiluca* with Leo Berline for modelling the dynamic of these species in the Mediterranean sea.

- mark  
 + certificate  
 - practical course  
 - symposium



Bas Kooijman  
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Theoretical Biology, mathematics  
Dynamic Energy Budget theory

- mark
- certificate
- + practical course
- symposium



Bob Kooi  
de Boelelaan 1085  
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researcher Theoretical Biology VU-Amsterdam  
Link between DEB-individual model and population and  
ecosystem models

- mark
- certificate
- + practical course
- symposium



Bonface Manono  
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 Kenya  
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I am an ecologist with a background in biology and environmental science. I have an interest in pursuing ecological modelling course. I view this training as a step to take this further.

My research interests are in waste management, agriculture and food with a passion in the promotion of sound environmental management and policy formation in a way that is inclusive with the bottom up solutions to land and natural resource challenges.

+ mark

+ certificate

- practical course

- symposium





Barbel Müller-Karulis  
Baltic Sea Centre, Stockholm University  
Stockholm  
Sweden  
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Environmental science, research in marine biogeochemical and foodweb modelling

I would like to couple a foodweb model for the Baltic Sea (Tomzeack et al. 2012) to the BALTSEM (Gustafsson 2012) biogeochemical model. Therefore I am interested in DEB as a tool to link predation by higher trophic levels (zooplankton, planktivorous and benthivorous fish) to their growth, carbon, nitrogen and phosphorus turnover.

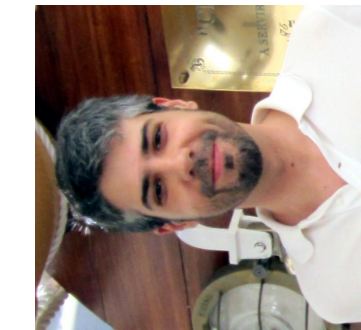
I am interested in the tele course and perhaps also the research school.

– mark

+ certificate

– practical course

– symposium



Carlos Teixeira  
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 Portugal  
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Conservation Biology; Environmental Engineering; Molecular Genetics; Ethology

– mark  
 – certificate  
 – practical course  
 + symposium

My main interests are the life history evolution and conservation of biodiversity in general. For DEB theory application purposes I chose to focus on modern birds (Neornithes) as my study group, looking at individual species and general patterns of metabolic performance. I am also interested in contributing towards science-based policy development.



Carmen Gonzalez  
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 Plouzane  
 France  
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PhD in marine toxicology

+ mark  
 + certificate  
 – practical course  
 – symposium

My expertise covers the study of physiology and toxicology of marine animals, specially the invertebrates. Nowadays im working in the interaction of several factors considering as confounding factors as temperature, nutrition, reproduction, etc... with pollutants to assess the combine effect of both.



Catalina Chaparro Pedraza  
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 C  
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 Netherlands  
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Biologist and engineer, postgraduate formation (MSc and PhD) in theoretical biology

The dynamics arising at the population and community level from the interaction of individuals and its behavior. I am currently studying the migratory phenomenon in fishes and its consequences at the population level based on assumptions of the individual energetic dynamics.

– mark  
 – certificate  
 + practical course  
 – symposium



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DEB summer school on August 2016 Help of Antonio Aguera (post doc) to learn DEB  
 DEB and Trait Distribution Model on Antarctic species (molluscs, echinoderms, fish?) combined with Species Distribution Models and habitat mapping in Western Antarctic Peninsula

+ mark  
 + certificate  
 – practical course  
 + symposium

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 USA  
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individual based modeling, ordinary differential equation modeling, population modeling, adverse outcome pathway

- mark  
 + certificate  
 + practical course  
 - symposium

I am interested in linking subcellular processes to whole organismal processes to scale to population level effects. I have worked extensively in the adverse outcome pathway framework and with individual based models. I would like to learn DEB to help bridge these two areas.

CHIARA ACCOLLA  
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Ph.D. in theoretical ecology, population dynamics, modeling at individual scale (IBM)

- mark  
 + certificate  
 + practical course  
 - symposium

Development of mathematical tools that link responses at lower levels of biological organization to higher level responses. Ecotoxicology. Apply DEB theory in order to develop IBM about effects of chemical stressors, and infer results at population-ecosystem scales to inform ecological risk assessment. Consequences of chemical stressors on species interaction.



Christina Wood  
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DEB - none MSci - Marine Biology: invertebrate reproduction and benthic ecology. - mark  
Marine benthic ecology: + certificate  
- Using reproductive traits to assess response of benthic invertebrates to multiple stressors. - Species' adaptation to environmental change (acclimation through phenotypic plasticity vs. genetic adaptation) - Understanding intraspecific variability within and between populations. + practical course  
- symposium

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Christophe Eugne Menkes  
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Noumea  
New Caledonia  
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Physics, oceanography, meteorology. - mark  
My main current interests lie in the coupling between environment, climate for example to terrestrial and marine ecosystems. I work on the understanding of climate onto top marine predators (e.g tuna, seabirds), on ants, on vector-borne diseases such as Dengue fever in the tropics. - certificate  
- practical course  
- symposium



Claudia Lopez-Alfaro  
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Canada  
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PhD in Wildlife Ecology, MSc in Biology and Agricultural Engineer  
My research and professional goals have been focused to understand wildlife-habitat relationships and predict how environmental changes affects individual fitness and thus population trends. To reach this goal I have built different simulation models to explore the mechanism underlying ecological processes.

– mark  
+ certificate  
+ practical course  
– symposium

Cristin Monaco  
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Ecology and physiology of marine intertidal animals  
I hope to better understand and predict the impacts of climate change on species physiological and ecological performance.  
My work has focused on individual level processes, including behaviour and energy budgets. I am especially interested on how these processes can help anticipate the outcomes of ecological interactions between species under current and projected climate change scenarios.

– mark  
– certificate  
– practical course  
– symposium



David Costalago  
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Marine and estuarine ecology  
Fish trophic ecology and the effects of climate change and fisheries. Interactions between fisheries and the ecosystem.  
Marine ecosystem modelling for fisheries management.

– mark  
+ certificate  
+ practical course  
– symposium



Diane Nacci  
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Narragansett  
USA  
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fish developmental physiology, biochemistry, toxicology, evolutionary processes, population modeling  
marine fish models to predict/assess ecophysiology/toxicology effects of human-mediated stressors including chemical pollutants

– mark  
– certificate  
– practical course  
– symposium



Edgar Meza  
 Teofilo Catillo St. 526  
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 Peru  
 meza.f.edgar@gmail.com

fisheries aquaculture, marine science, oceanography  
 I want to study the impact of climate change on pelagic fisheries. Focusing on peruvian anchovy and sardine.  
 + mark  
 + certificate  
 - practical course  
 - symposium



Elke Zimmer  
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Diploma Marine Environmental Science; PhD in Theoretical Biology  
 Effects of contaminants on organism physiology; patterns of effects related to chemical characteristics; multiple stress (contaminants and natural)  
 - mark  
 - certificate  
 + practical course  
 - symposium





Emna Soufi  
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Tunisia  
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Engineer: fisheries sciences Master: Marine ecology ans + mark  
ecosystems PhD: Marine Biotechnology and bioprocesses + certificate  
Marine organisms ecophysiology: molluscs with economical - practical course  
interest - symposium  
Marine ecology and habitat of species with halieutic interest.  
Exotic species: ecobiology of the Pearl Oyster *Pinctada radi-*  
*ata* .  
Marine biotechnology and bioprocesses: valorization marine  
molecules with biological activities, specially for antitumoral  
purposes. The valorization of the byssal threads of the  
Mediterranean Mussel *Mytilus galloprovincialis*.

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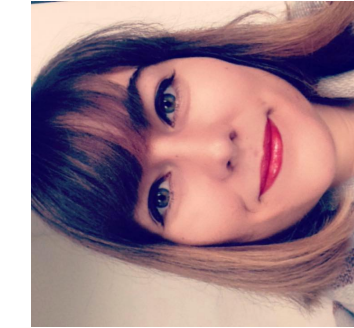


Measuring metabolic rates, metabolites, and hormones in vertebrate ectotherms  
 – mark certificate  
 + practical course  
 – symposium  
 –  
 Interested in linking individual physiological measurements (metabolic rates, hormonal status, energy indicators, behavior) to energy budgets and then extending to population level models, especially in the context of shifting life-history strategies.

Erik Muller  
 Dept EEMB  
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DEB  
 DEB  
 – mark certificate  
 – practical course  
 – symposium



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France  
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Licence Biologie Université de Bordeaux Master Oceanogra-  
phie Aix-Marseille Université  
I work at the "Laboratoire Environnement Ressource  
Languedoc-Roussillon" (Ste, France). My objective is to ap-  
ply and adapt a DEB model of Crassostrea gigas in a context  
of sustainable exploitation in Thau lagoon (France)

— mark  
— certificate  
— practical course  
— symposium



Ewaldo Leitao de Oliveira  
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Ecology (in general - I have an Undergrad in Ecology), basic  
calculus (mathematics applied to biology), R programming  
Trophic chain interactions in plankton ecological systems, es-  
pecially eutrophic inland water bodies.

— mark  
— certificate  
— practical course  
— symposium

Felix Massiot  
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 Portland  
 USA  
 fmassiotgranier@gmri.org

Marine ecology ,Fisheries sciences, population dynamic, bayesian statistics  
 - mark certificate  
 - practical course  
 + symposium  
 -  
 I mainly work on the response of marine populations to climate change. My approach is mainly based on population dynamic models, and aims to explore changes in life history traits (maturation rate, migration ...), growth and natural mortality. I mostly work on fish especially Anadromous fish of the northern Atlantic Ocean.



Flor Rhebergen  
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Evolutionary biology, behavioural ecology, population ecology  
 - mark certificate  
 + practical course  
 + symposium  
 -  
 I am interested in the evolution of adaptive developmental plasticity. I investigate how development maximizes individual fitness, when individuals differ in energy acquisition. To that end, I study the evolution of male polyphenism in bulb mites, in which males may or may not invest in development of energetically expensive weaponry.





Gisele Cavalcante Morais  
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do Sul  
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Brazil  
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I have worked with benthic diversity responses to estuarine gradients, by using spatially and temporally nested sampling designs. Also, carrying out experimental analysis of process and environmental impacts using marine benthic invertebrates as indicators of stress.

For now, I have interest in study ecophysiology of marine invertebrates on the basis of Dynamic Energy Budgets (DEB) theory.



Gonalo Marques  
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University degree: Physics Engineering; PhD: Physics (High Energy); DEB course.

My main research interests are centered on the development of DEB theory integrating contributions from Organism Biology, Population Biology and Thermodynamics, as well as Ecotoxicology. Two of the main points I'm focusing now are: improving the parameter estimation process and making use of information of phylogenetically close species for parameter estimation.

– mark  
 – certificate  
 + practical course  
 – symposium

Grace DiRenzo  
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 USA  
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PhD, University of Maryland, Dr. Karen Lips

I am primarily interested in understanding (1) how pathogen infection order affects pathogen interactions within a host and (2) the consequences of within-host pathogen interactions to pathogen transmission among hosts. I am interested in applying DEB theory to my first objective.

– mark  
 + certificate  
 – practical course  
 – symposium





Helena Lopes Galasso  
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Palavas les Flots  
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MSc. Aquaculture Engineering. PhD student in Ecosystem and Agronomic Sciences.

I am interested in the application of energy budgets as interesting tools in the field of aquaculture, especially integrated systems with different trophic levels, to quantify biological process (growth, food uptake, reproduction, excretion) and predict the performance of each species in several contexts.

– mark  
+ certificate  
– practical course  
– symposium



Houria HANDJAR  
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Biology Marine Science, fisheries science, ecology

I am interested by the effect of environment on stock abundance

– mark  
+ certificate  
– practical course  
– symposium



Ines Lopes  
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Master in Environmental Engineering from Tecnico Lisboa  
 Programming, mathematical modelling, DEB theory, aqua-  
 culture  
 + mark  
 + certificate  
 + practical course  
 - symposium



Irene Ballesta Artero  
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 Netherlands  
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Marine Biology and Ecology  
 I started my PhD in March 2014 . I work at the Royal Nether-  
 lands Institute for Sea Research (NIOZ), situated on Texel, a  
 small island in northern Holland. My project focuses on the  
 understanding of the growth biology of *Arctica islandica*. I  
 will study the timing of shell and tissue growth in relation to  
 the key environmental factors through lab and field experi-  
 ments (mostly at NIOZ and in northern Norway).  
 - mark  
 + certificate  
 + practical course  
 - symposium





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Statistics

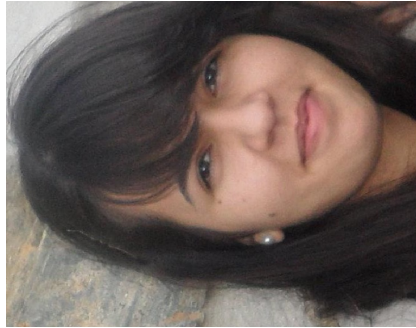
Statistical analysis of environmental problems. Currently working with the DEB model to predict the effect of climate change on mussel growth in the framework of the ClimeFISH project

- mark

+ certificate

- practical course

- symposium



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Master in Biomedical Engineering (FCT-UNL)

DEB Theory; Optimization/Mathematical Programming (Matlab); Derivative-free Optimization

+ mark

+ certificate

+ practical course

- symposium

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Ecology Population ecology Behavioral ecology Statistics — mark  
 Mathematical biology — certificate  
 Energetics and growth of marine organisms Population ecol- + practical course  
 ogy of marine benthic invertebrates — symposium

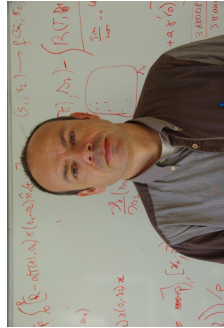
Jacob Johansson  
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 SE-22362 Lund  
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PhD Theoretical Ecology with experience in modeling ecolog- — mark  
 ical and evolutionary dynamics. — certificate  
 My research focuses on the seasonal timing of biological events — practical course  
 (phenology) such as flowering, bird migration or insect polli- — symposium  
 nator emergence. Currently I investigate how population dy-  
 namics and phenological adaptation in pollinators depend on  
 timing of resource peaks caused by mass-flowering crops, food  
 shortage or episodes of pesticide exposure or infections.

Jean-Christophe POG-  
 GIALE Mathematics : differential geometry and dynamical systems – mark  
 Applications of mathematics to ecological problems (popula- – certificate  
 tion dynamics, community ecology) + practical course  
 Ecosystems functioning in relation with biodiversity, re- – symposium  
 sponses of populations and communities to perturbations.  
 Approach : mathematical models based on theoretical and  
 mechanistical arguments; Biological systems theory.

MIO - OCEANOMED -  
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Jean-Pierre Desforges  
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 Roskilde  
 Denmark  
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Wildlife and environmental toxicology, primarily molecular ef- – mark  
 fects of contaminants + certificate  
 Investigating the effects of environmental contaminants on – practical course  
 wildlife. I'm interested in all levels or biological organization, – symposium  
 looking at effects on genetics, the immune and endocrine sys-  
 tem up to the level of the population. Also trying to link  
 biomarkers of effects to individual and population health.





Jeff Clements  
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PhD in marine biology/ecology (global change biology) — mark  
 Global change biology, marine biology, marine ecology, ocean certificate  
 acidification, ocean warming, hypoxia, animal behaviour, be- practical course  
 havioural ecology, invertebrate biology, experimental biology — symposium



Jessica Stubbs  
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 Crawley  
 Australia  
 jessica.stubbs@research.uwa.edu.au

Bachelor of Science (Honours) majoring in Zoology and Ma- mark  
 rine Science certificate  
 I am interested in the biology and ecology of marine turtles. practical course  
 My PhD is focused on the foraging ecology and energetics of symposium  
 green turtles. I am hoping to use DEB theory to investigate  
 the influence of food availability and temperature on different  
 aspects of green turtle biology.



Jessica Couture  
 Bren Hall, UC Santa Barbara  
 Santa Barbara  
 USA  
 jcouture@bren.ucsb.edu

Background in population modeling and ecology. Watched some Kooijman videos online.  
 Interested in a metabolic modeling and how that interacts with the ecosystem. Particularly working with ecotox in amphipods.

– mark

– certificate

– practical course

– symposium



Jimiao Chen  
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Aquatic ecological criteria, field survey and ecotoxicology on plankton.

– mark

+ certificate

– practical course

– symposium

The stress-response relationship and ecological thresholds of aquatic ecosystem under major chemical stressors in different eco-regions, e.g. different watersheds among China, and based on which deriving and evaluating of ecological criteria and standards on aquatic ecosystems.

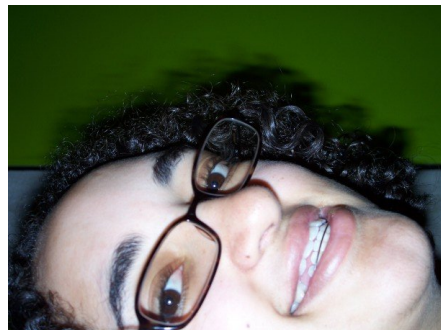


Joany Mario  
 Department of Biology,  
 Memorial University  
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 Canada  
 joanyvalentina@gmail.com

Biologist focused on mathematical modeling and theoretical ecology.

The ecology and evolution of symbiotic interactions, particularly chemosymbiosis in bivalves in the family Thyasiridae. My study system is a complex of sympatric species that inhabit the fjords in western Newfoundland, Canada. The questions that I'm addressing through modeling link optimal foraging to population dynamics and evolutionary ecology.

+ mark  
 + certificate  
 + practical course  
 - symposium



Jocelyn Pierro  
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 jocelyn.d.pierro@ttu.edu

Environmental toxicology

Modeling effects of toxicants throughout a biological organization.

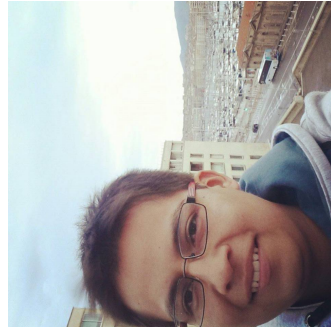
+ mark  
 + certificate  
 - practical course  
 - symposium



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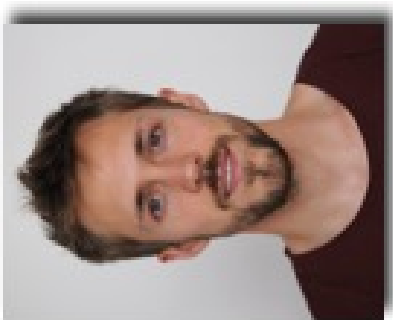
BSc in ecology/evolutionary biology. MSc creating agent based models  
 + mark certificate  
 + practical course  
 - symposium  
 -

Creating agent based models of natural systems. This course would be useful for more accurately portraying the biological actors within a simulation and their specific needs.



Jorge Arturo Flores Valiente  
 Violetas 1009  
 Lima  
 Peru  
 jorgefloresvaliente@gmail.com

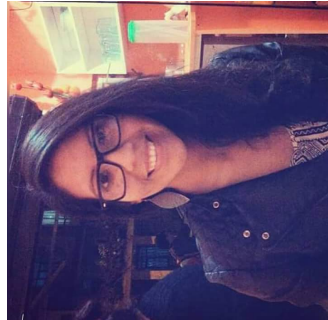
Ecological modeling, R, Matlab, DEB theory,  
 Small pelagic fishes, ROMS-ICHTHYOP-DEB, Ecosystem management, Larval transport, Climate change  
 + mark certificate  
 + practical course  
 - symposium  
 -



Josef Koch  
 Campus Coupure, Building  
 F - 2nd Floor, Coupure  
 Links 653  
 Ghent  
 Belgium  
 josef.koch@ugent.be

MSc in Ecotoxicology; PhD student in environmental technology.  
 I am interested in individual-based population modeling as a tool in environmental risk assessment of chemicals. My special research focus is on copepods as aquatic test organisms. I work with the harpacticoid brackish water species *Nitocra spinipes*.

+ mark  
 + certificate  
 + practical course  
 - symposium



Joselyn Marilyn Zavala  
 Arellano  
 Avenue Progreso 300  
 Chiclayo  
 Peru  
 joselin\_zavala@hotmail.com

Analysis laboratory, statistics SPSS, PRIMER  
 Evolutionary biology, energetics models, biology, acuaculture

+ mark  
 + certificate  
 - practical course  
 - symposium





Karena Nguyen  
 6425 Satinwood Way  
 33637-5683 Temple Terrace  
 USA  
 knguyen63@mail.usf.edu

I am a 3rd year PhD student studying disease ecology.  
 I work with a host-parasite system; specifically, *Biomphalaria glabrata* (a snail intermediate host) and *Schistosoma mansoni* (a human parasite). I am hoping to build a DEB model for *B. glabrata* and quantify how energy allocation shifts during infection. Ideally, I want

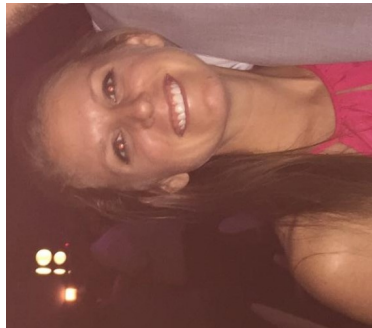
— mark  
 — certificate  
 — practical course  
 — symposium



Karine Heerah  
 Pointe du Diable  
 29280 Plouzane  
 France  
 karine.heerah@hotmail.fr

I am a movement and behavioural ecologist  
 Telemetry/data-logging tracking, movement ecology, habitat use, statistical modeling, foraging and diving behaviour, optimal foraging, energetic budgets, ecosystem modelling, population dynamics, anthropogenic impacts and management

— mark  
 — certificate  
 — practical course  
 — symposium



Katherine McFarland  
 111 Fernow Hall  
 Ithaca  
 USA  
 kmm447@cornell.edu

Bivalve physiology and ecology

Conservation of coastal aquatic systems, primarily through oyster restoration.

– mark  
 – certificate  
 – practical course  
 – symposium



Katherine Muller  
 1445 Gortner Ave.  
 55107 St. Paul  
 USA  
 mulle374@umn.edu

I am trained in evolutionary biology and ecology, focusing on plant systems.

I am interested in how underlying conflicts constrain the extent of cooperation between organisms. My research investigates conflicts over resource allocation as a factor limiting mutual benefits of the legume-rhizobia symbiosis.

– mark  
 + certificate  
 – practical course  
 – symposium



Kathrine Eggers Pedersen  
Houmanns Alle 1 3th  
Kbenhavn NV  
Denmark  
kep@plen.ku.dk

Basic DEB and TKTD knowledge

I am a secondyear PhD student. My project is focused on effects of combined stressors, more specifically between pesticides and pathogens. The goal is to obtain a grater understanding of the mechanisms linking the immune and detoxification systems to increase the use of pathogenic control in integrated pest management. My main interests are ecotoxicology, interaction between multiple stressors and the invertebrate detoxification system in general.

– mark  
– certificate  
– practical course  
+ symposium



Kim Ladermann  
Kackertstrasse 10  
Aachen  
Germany  
ladermann@gaiac.rwth-  
aachen.de

Master of Science Ecotoxicology at RWTH Aachen University  
(Germany)  
Aquatic Ecology and Ecotoxicology; Ecological and Ecotoxicological Modelling

– mark  
+ certificate  
+ practical course  
– symposium

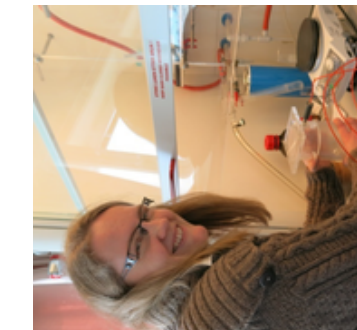


Konstadia (Dina) Lika  
 Vassilika Voutwn  
 Heraklion  
 Greece  
 lika@biology.uoc.gr

Mathematical Biology

Mathematical modeling of biological systems; Current focus is on DEB theory, including applications in mixotrophy and ecophysiology.

– mark  
 – certificate  
 + practical course  
 – symposium



Kristine Pedersen  
 Framsenteret  
 Troms  
 Norway  
 kristine.pedersen@akvaplan.niva.no

Master of Chemical Engineering, PhD Environmental Engineering

Fate of pollutants in the environment (soil, ground water, sediment, surface water) Metal speciation Remediation of pollution

– mark  
 – certificate  
 – practical course  
 – symposium



Laura Steeves  
9 Louise Ave  
B3A 3V5 Dartmouth  
Canada  
laura.steeves@dal.ca

BSc Hons Biology, Master of Marine Management Candidate  
Using DEB modelling to predict future growth and distribution of shellfish in the waters of Atlantic Canada until 2050.  
- mark  
+ certificate  
- practical course  
- symposium



Laure Pecquerie  
LEMAR, IUEM, rue Du-  
mont d'Urville  
Plouzane  
France  
laure.pecquerie@ird.fr

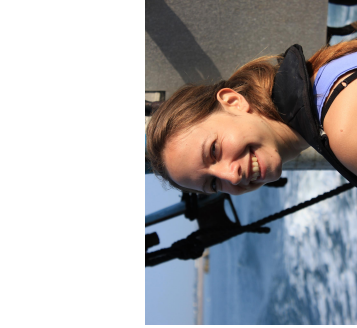
Marine ecology, Fisheries ecology, Theoretical biology, DEB theory  
DEB theory development and applications, Impact of (multi-)stressors on marine organisms, fish population dynamics in upwelling ecosystems  
- mark  
- certificate  
+ practical course  
- symposium



Liz Talbot  
Prospect Place  
PL1 3DH Plymouth  
UK  
sat@pml.ac.uk

BSc Marine Biology and Oceanography (First Class Honours)  
Southampton University  
Benthic ecology, ecophysiology, community modelling, health,  
physiology and function of marine benthic communities

– mark  
+ certificate  
+ practical course  
– symposium



Lola de cubber  
Laboratoire d'Océanologie  
et de Géosciences 28 avenue  
Foch, BP 80  
Wimereux  
France  
lola.decubber@gmail.com

Master's degree in marine biology and ecology  
Study of the life history traits of two annelids polychaetes in a  
MPA : development of a bioenergetic model and involvement  
in the sustainable management of these species under human  
pressure.

– mark  
+ certificate  
– practical course  
– symposium



Lotte de Vries  
 Retiefstraat 20C  
 1092XD Amsterdam  
 Netherlands  
 c.devries@uva.nl

MSc Theoretical Physics, MSc Limnology and Oceanography, currently doing a PhD with Hal Caswell (matrix models).  
 - mark certificate  
 + practical course symposium  
 -  
 -  
 My main research interests are structured population models and the unexpected ecological (and evolutionary) consequences of population structure. I'm currently working on a matrix model that incorporates both simple Mendelian genetics and any kind of demographic structure.



Maria Cardoso  
 58053-018 Joo Pessoa  
 Brazil  
 maria.marcolina.eco@gmail.com

PhD student, learning DEB and size-structured populations models  
 - mark certificate  
 + practical course symposium  
 -  
 -  
 PhD student on ecology working with tropical fisheries. I am working in a DEB model for Nile tilapia, the second most cultivated fish in world. I am interested on the role of omnivory and predation by exotic species on the dynamic of communities, fisheries production, mathematical modeling and statistics.

Martin Marzloff  
 CS 10070  
 Plouzane  
 France  
 martin.marzloff@ifremer.fr



fisheries science, marine ecosystem modelling, quantitative marine ecology — mark certificate  
 marine ecosystem modelling; complex systems science; effects of climate and fishing on marine ecosystems; benthic community dynamics ; climate-driven range shifts; development of decision-support tools for fisheries and marine socio-ecosystem management; assessment of ecosystem services; management strategy evaluation; marine protected areas; trophic cascade and regime shift — practical course symposium

Mathieu Woillez  
 Centre de Bretagne, STH,  
 BP 70  
 Plouzane  
 France  
 mathieu.woillez@ifremer.fr



Fishery scientist with competence in geostatistics and modelling. — mark certificate  
 My main research interests are among other in spatio-temporal dynamics of fish population and its connectivity. — practical course symposium



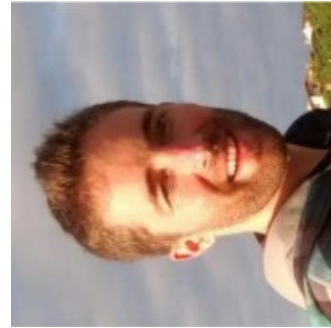


Matt Malishev  
2/827 Park St  
Brunswick  
Australia  
mmlshv@gmail.com

Individual-based modelling, energetics, biophysical ecology  
Spatial individual-based modelling, movement ecology, energetics, biophysical ecology, niche ecology, predator-prey interactions.

— mark  
— certificate  
— practical course  
— symposium

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Maxime Vaugeois  
Skok Hall - 2003 Upper  
Buford Circle  
St. Paul  
USA  
maxime.vaugeois@outlokk.com

MSc Marine Biology and Ecology Ph.D. Environmental sciences  
Ecotoxicology Individual-based modeling

— mark  
— certificate  
— practical course  
— symposium



Michael Kearney  
 School of BioSciences Building 4  
 Melbourne  
 Australia  
 mrke@unimelb.edu.au

Ecophysiology, biophysical ecology, thermal biology, microclimatology, evolutionary biology, herpetology, entomology  
 - mark certificate  
 + practical course  
 - symposium  
 Understanding climatic constraints on the behaviour, distribution and abundance of organisms. Evolution of adaptations to different climates. Life history evolution. Metabolic ecology. Predicting and understanding microclimates.



Michael Susini  
 4 impasse teissere  
 Marseille  
 France  
 susini.michael@laposte.net

Master in physical oceanography and student in engineering school in Energy, Water and Environment.  
 - mark certificate  
 + practical course  
 - symposium  
 Learn more about DEB and increase my oceanographic knowledge to complete my master and engineer skills.



Miguel Leal  
Faculdade de Ciências da  
Universidade de Lisboa  
1749-016 Lisboa  
Portugal  
miguelcleal@gmail.com

Marine Ecology Prey-predator interactions and molecular  
trophic markers fish stoichiometry - mark  
Ecological stoichiometry and the use of this framework to + certificate  
study the interaction between ecosystem processes, ecology - practical course  
and evolution. Will try to combine this with DEB to have - symposium  
better physiological and fitness proxies.

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Misael Julissa Sosa Giles  
 Av. venezuela 201- Monsefu  
 3 peru - chiclayo  
 Norway  
 misael.sosa20@gmail.com

ESTUDIOS PRIMARIOS: MARA REICHE 1995 - 2000 ES- + mark  
 TUDIOS SECUNDARIOS: ELVIRA GARCA Y GARCA + certificate  
 2001- 2005 ESTUDIOS UNIVERSITARIOS: PEDRO RUIZ - practical course  
 GALLO 2010 - 2015 - symposium

Me interesaria participar del curso virtual sobre BIOEN-  
 ERGETICA conocido como Dynamic Energy Budget The-  
 ory (DEB), tengo conocimientos sobre zooplancton marino  
 superficial,estoy realizando un trabajo sobre ello, en una  
 isla llamada ISLA LOBOS DE AFUERA EN EL LITORAL

LAMBAYEQUE- PERU; pero me interesara saber mas cosas,  
 mi mente esta abierta alconocimiento.



Morgana Tagliarolo  
School of life sciences,  
Westville campus  
Durban  
South Africa  
morgana.tagliarolo@gmail.com

I am a marine biologist specialized in invertebrate physiology and intertidal ecology.

My studies never focused on a singular process or species, but I always worked at different levels from the individual to the entire ecosystem. I think that an important way to understand natural systems is to observe the processes and connections from different angles and prospective to acquire a more wide vision of the ecosystem functioning. The practice of integrating physiological studies with ecological and environmental data allowed me to answer interesting questions related to species biogeographical distribution, ecosystems carbon emissions and climate change effects.

– mark  
+ certificate  
– practical course  
– symposium



Myriam CALLIER  
chemin de maguelone  
Palavas  
France  
myriam.callier@ifremer.fr

Better understand DEB theory, parametrisation and simulation.

I am a researcher in aquaculture-environment interactions. I am working on projects related to integrated multi-trophic aquaculture (IMTA). DEB could be a good tool to predict the production, excretion etc of different species in IMTA.

- mark  
+ certificate  
- practical course  
- symposium



Nathanal Sangare  
BP 49  
Vairao  
France  
nathanael.sangare@ifremer.fr

Master's degree in Oceanography specialized in ecological modeling

I'm working on putting together existing models in order to describe, *Pinctada margaritifera* life cycle. The objective is to understand the factors behind variations of spat collecting and thus optimize cultural practices in Tuamotu atolls. In this context my main research interests include different fields as hydrodynamic and bivalves physiology.

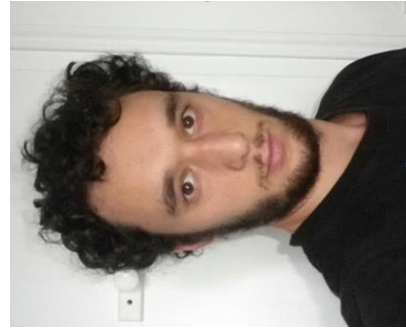
+ mark  
+ certificate  
+ practical course  
- symposium



Nicola Mitchell  
 35 Stirling Highway  
 Crawley  
 Australia  
 nicola.mitchell@uwa.edu.au

Ecophysiology and development of amphibians and reptiles  
 I explore and model the impact of the developmental environment on a range of processes including sex determination in reptiles and reproductive strategies in terrestrial breeding frogs. Increasingly, my focus is on understanding the capacity to vertebrates to adapt to environmental change, and on the application of pre-emptive conservation management.

– mark  
 – certificate  
 + practical course  
 – symposium



Nicolas Djeghri  
 IUEM technopole Brest-  
 Iroise rue Dumont d'Urville  
 Plouzane  
 France  
 nicolas.djeghri@univ-  
 brest.fr

Oceanography, Marine Biology and Ecology. Particular interest in Zooplankton Ecology  
 Zooxanthellate jellyfishes ecophysiology. Relations host-symbiont in various environmental conditions (light, temperature, amount of food) along the life-cycle. Impact of those jellyfishes on marine systems through excretion, predation, competition with phytoplankton (for nutrient) or other jellyfishes (for prey).

+ mark  
 + certificate  
 + practical course  
 – symposium



Nigel Andrew  
 Natural History Museum,  
 W77, Trevanna Rd, University  
 of New England  
 Armidale  
 Australia  
 nigel.andrew@une.edu.au

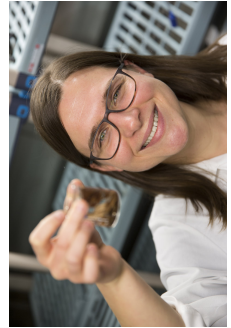
Ecology; Entomology; Climate Change; Ants; Dung Beetles;  
 Thermolimit Repiration; Physiology  
 I spend much of my time studying how insect biology changes  
 along environmental gradients (latitude, altitude, climatic,  
 agricultural): particularly their ecology, physiology and be-  
 haviour. My current research focuses on the impact of climate  
 change on dung beetles, ants and insect-plant interactions.  
 More details at <http://insectecology.une.edu.au/>

– mark  
 + certificate  
 + practical course  
 – symposium

Nika Galic  
 140 Gortner Laboratory,  
 1479 Gortner Avenue  
 St. Paul  
 USA  
 ngalic@umn.edu

Freshwater ecology, bioenergetics, individual-based modeling,  
 chemical risk assessment  
 Ecological risk assessment, ecosystem services, ecological  
 modelling, ecotoxicology, population ecology, freshwater ecol-  
 ogy, bioenergetics, invasive species, wildlife management

– mark  
 – certificate  
 – practical course  
 – symposium







Nikos Papandroulakis /  
 Stavrakidis  
 PO Box 2214  
 GR 71003 Heraklion  
 Greece  
 ostavrak@gmail.com

Biology Degree, MSc Marine Biology  
 Marine Biology with interest in aquaculture. Effect of climate  
 change in the sustainable development of finfish aquaculture.  
 + mark  
 + certificate  
 + practical course  
 - symposium



Nils Rafael  
 Cois 724-JLO  
 Chiclayo  
 Peru  
 niter.ntrs@gmail.com

Practitioner in the microalgae laboratory.  
 Chemical oceanography oriented to the study of the coastal  
 upwelling through an ecosystem approach, as well as the im-  
 portance of the minimum zone of oxygen in relation to the  
 biogeochemical processes with which it interacts and the im-  
 pacts on the bioenergetics of marine organisms.  
 + mark  
 + certificate  
 - practical course  
 - symposium

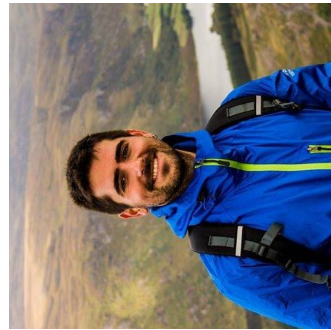
Nina Marn  
 Bijenicka cesta 54  
 Zagreb  
 Croatia  
 nina.marn@gmail.com



Biology - oceanology /marine biology.  
 Conservation and marine biology, applications of DEB theory;  
 for my PhD research I used DEB theory to model loggerhead  
 turtles.

+ mark  
 + certificate  
 + practical course  
 - symposium

Orestis Stavrakidis Zachou  
 Farmaki 13 A  
 Katerini  
 Greece  
 ostavrak@gmail.com



Degree in Biology (AUTh), MSc Marine Biology (UCC)  
 Marine Biology with a keen interest in aquaculture as well  
 as its interactions with fisheries. Moreover, the development  
 of sustainable aquaculture, particularly under the concept of  
 climatic change, plays a central role in my research interests  
 and goals.

+ mark  
 + certificate  
 - practical course  
 - symposium



Patrick Lambert  
 50 avenue de Verdun  
 F-33612 Cestas Cedex  
 France  
 patrick.lambert@irstea.fr

Ingeneer in rural development Ecology Sociology Modelling  
 Population dynamics modelling Ecology of diadromous fish  
 Individual based modelling Migration and river connectivity  
 Climate changes Management of renewable resource

– mark  
 + certificate  
 – practical course  
 – symposium



Paulo Lagos  
 9 Eskvale St, Saint Kilda  
 Dunedin  
 New Zealand  
 lagpa454@student.otago.ac.nz

(M.Sc.) Marine Biology, currently Marine Science PhD candidate at the University of Otago.  
 Ecophysiology, Antarctic ecosystems and the effects of climate change on zooplanktonic organisms. Currently developing a DEB for the New Zealand krill to assess the effects of environmental stress on its biology

– mark  
 + certificate  
 – practical course  
 – symposium



Paulo Lagos  
310 Castle Sreet  
Dunedin  
New Zealand  
lagpa454@student.otago.ac.nz

Marine Biologist and current PhD student at University of Otago  
Effects of climate change on planktonic organisms, specifically how ultraviolet radiation and temperature affects physiology and how this response is related to DEB.

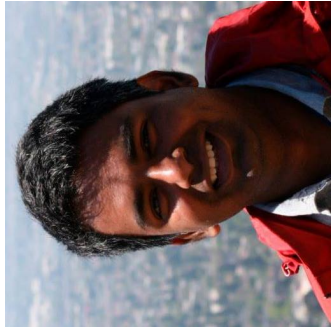
- mark  
+ certificate  
+ practical course  
- symposium



Rabie GUEZI  
City Essalam, Djamaa  
El Oued  
Algeria  
guezi.rabie@gmail.com

marine sciences,  
Growth, reproduction, ecology, fish of continental water

- mark  
+ certificate  
- practical course  
- symposium



Mofizur Rahman  
 House 26, Road 7, Block E,  
 Mirpur 1  
 1216 Dhaka  
 Bangladesh  
 mofizur.rahman@icddr.org

Experimental Ecology, Spatial Analysis, GIS, R  
 Ecosystem Process-Function-Service

- mark  
 + certificate  
 - practical course  
 - symposium



Reid Tingley  
 School of BioSciences, The  
 University of Melbourne  
 Parkville  
 Australia  
 reid.tingley@unimelb.edu.au

PhD in Invasion Ecology - applied ecology, herpetology  
 I study how species traits and environmental change influence  
 the dual processes of invasion and extinction in amphibians  
 and reptiles. I am currently studying whether we can use  
 DEB Theory to predict geographic variation in developmental  
 strategies of anuran tadpoles.

+ mark  
 + certificate  
 + practical course  
 - symposium



Roger Nisbet  
Ecology, Evolution and Marine Biology  
Santa Barbara  
USA  
nisbet@lifesci.ucsb.edu

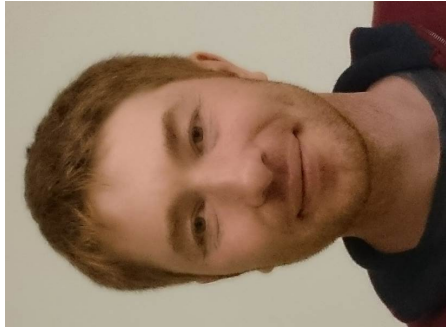
PhD in theoretical physics. Postdoctoral training in biology.  
Many areas of ecological theory and modeling with emphasis on models that relate processes at different levels of biological and ecological organization. Current work focuses both on fundamentals of DEB and DEB-inspired theory and on its application in ecotoxicology and nanotoxicology.

– mark  
– certificate  
+ practical course  
– symposium

Roland Kuhl  
Arheilger Weg 17  
Rodorf  
Germany  
roland.kuhl@ibacon.com

Diploma in Biology  
Aquatic ecotoxicology; effect modelling; pollinators

– mark  
+ certificate  
+ practical course  
– symposium



Romain Richard  
 University of Amsterdam,  
 IBED, P.O.Box 94248  
 1090 GE Amsterdam  
 Netherlands  
 r.c.j.richard@uva.nl

ecology, evolutionary biology, structured population dynamics, behavioral ecology, ecophysiology, Daphnia

I am interested in studying how population processes affects the life history of individuals, and how in turn, patterns of growth fecundity and survival translate to the population level. The approach taken is to model/consider life history as a resource limited process and use physiologically structured population models.

– mark  
 – certificate  
 + practical course  
 – symposium



Romain Lavaud  
 343 Avenue Universite  
 E1C 9B6 Moncton  
 Canada  
 romain.lavaud@dfompo.gc.ca

Marine biology, physiology, ecology, oceanography

Ecophysiology of marine bivalves, fish and algae in coastal ecosystems in response to environmental variability. Feeding ecology of suspension feeders. Ecosystem modelling.

– mark  
 – certificate  
 – practical course  
 – symposium

Rory Telemeco  
 1009 E Magnolia Ave  
 Auburn  
 USA  
 telemeco@auburn.edu

PhD in Ecology and Evolution. 2 postdocs: one in physiology and modeling and the other in genomics  
 Understanding mechanisms of organismal response to global change. Primarily work with reptiles and temperature change.

— mark  
 — certificate  
 — practical course  
 — symposium



Rose Stainthorpe  
 National Oceanography  
 Centre, Rm 344/27  
 SO14 3ZH Southampton  
 UK  
 res1n13@soton.ac.uk

PhD Ocean Earth Sciences (3rd year)  
 Bioenergetics of thermal tolerance in Class Echinodermata

— mark  
 — certificate  
 + practical course  
 — symposium







Salome Fabri-Ruiz  
6 Boulevard Gabriel  
Dijon  
France  
salome.fabri-ruiz@u-  
bourgogne.fr

Oceanography and Marine Environment specialize in Modelling and Large Spatial scale in the Southern ocean  
My main interest is Species distribution modelling on Echinoids in the Southern ocean. I focus on impact of climate change but also on heterogeneity of the data in modelling. I want also to combine different approaches of modelling.

- mark  
+ certificate  
+ practical course  
- symposium



Shu-Ping Huang  
70 Lienhai Rd.  
Kaohsiung  
Taiwan  
sphuang0711@gmail.com

physiological ecology, herpetology, biophysical models, respirometry  
I am interested in investigating the effect of climate changes on habitat suitability, physiological function, and activities of animals. I employ biophysical models, lab experiments, and field surveys to approach these questions using mainly high-mountain reptiles as study animals.

- mark  
- certificate  
+ practical course  
- symposium



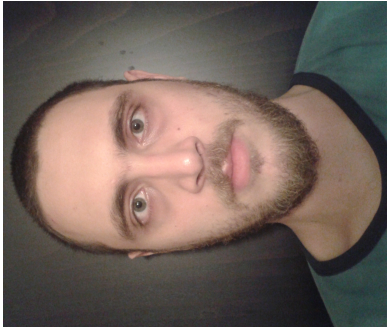
slimane ben miled  
 Institut Pasteur place Pasteur  
 Tunis  
 Tunisia  
 slimane.benmiled@fst.utm.tn

math, ecology, evolution, modelling  
 sex allocation theory, cancer treatment, mathematical modelling  
 + mark  
 + certificate  
 - practical course  
 - symposium



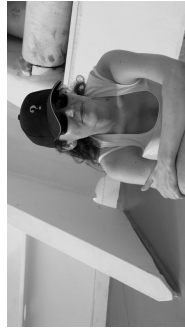
Starrlight Augustine  
 Framsenteret  
 Troms  
 Norway  
 sta@akvaplan.niva.no

Marine ecology, Ecotoxicology, Theoretical biology, DEB theory  
 DEB theory development and applications, Impact of (multi-)stressors on marine organisms, patterns in sensitivity, development  
 + mark  
 + certificate  
 + practical course  
 - symposium



Stratos Batziakas  
Pellis 141  
Heraklion  
Greece  
batziakas\_str@hcmr.gr

Biology graduate, Environmental biology post-graduate, PHD  
Candidate in Biology + mark  
Fully and semi-automated image analysis systems for zoo- + certificate  
plankton identification. Size spectrum theory and its possible practical course  
applications in the pelagic ecosystem health assessment and symposium  
monitoring. Marine ecosystem dynamics and ecosystem mod-  
eling. -



Sylvie Gaudron  
B.P.80  
Wimereux  
France  
sylvie.gaudron@upmc.fr

DEB model of two lugworms (Annelida Polychaeta) species - mark  
at different stages of their life cycle. - certificate  
My main research interest is the life cycle of marine inverte- - practical course  
brate species of coastal and deep sea species (mainly bivalves and polychaetes) - symposium



Tamar Guy-Haim  
 Duesternbrookerweg 20  
 Kiel  
 Germany  
 tguy-haim@geomar.de

Community ecology, Marine/Benthic ecology, Biogeochemistry, Phylogenetics, Software engineering. – mark certificate  
 Ecological modelling: species interactions, food webs, community and ecosystem level modelling, with regards to global changes; Invasion biology, biogeography and dispersal of benthic species. – practical course symposium



Thia Sousa  
 DEM - Instituto Superior Tecnico (IST-ID 509830072), Av. Rovisco Pais, n1  
 1049-001 Lisboa  
 Portugal  
 tanciasousa@tecnico.ulisboa.pt

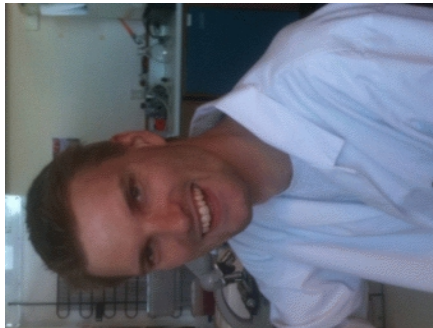
Environmental Engineering. PhD in Environmental and Earth and Life Sciences. – mark certificate  
 Thermodynamics of life; the analysis of societal energetic systems and the links with the economy. + practical course symposium



Tanjona Ramiadantsoa  
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 Hall  
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Theoretical ecology focusing on spatial processes with back-  
 ground in Mathematics  
 I am developing a theoretical model for a generalized thermal  
 performance curve that integrates physiology, ecology, and  
 behavior; and uses energy (budget) as a main currency.

– mark  
 – certificate  
 – practical course  
 – symposium



Thomas Krueger  
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 tion 2  
 Lausanne  
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marine biology, biochemistry, ecology, PhD in coral reef ecol-  
 ogy  
 Coral reef biologist, working on the ecophysiology of symbiotic  
 corals. My current research focuses on the nutritional physi-  
 ology of corals using stable isotopes and correlative TEM and  
 NanoSIMS. The broader context of my work is to understand  
 the specific impact of Climate Change on the stability of the  
 coral symbiosis.

– mark  
 + certificate  
 – practical course  
 – symposium



Thomas Guyondet  
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Engineering and coastal oceanography: hydrodynamics and biogeochemistry — mark  
 Numerical modelling of coastal ecosystems with focus on role of bivalves in nutrient cycling and application for aquaculture and its interactions with the environment: food limitation, biodeposition, response to stressors such as hypoxia and non-optimum temperature, salinity and pH. — certificate  
 — practical course  
 — symposium

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Tido Strauss  
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Germany  
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IBMs, DEB theory, interface between DEB and environment — mark  
 Plankton ecology, individual based population modelling, lake ecosystem models, ecotoxicology — certificate  
 — practical course  
 — symposium

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Urtzi Enriquez-Urzelai  
lg Onon 7, Tornon  
Villaviciosa  
Spain  
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I studied Biology and a MSc in Biodiversity

My research interests are in biogeography, niche evolution, and global change biology. To predict species and populations vulnerability to global warming I would like to understand the mechanistic link between environments and organisms using DEB and NicheMapR modelling frameworks.

– mark  
+ certificate  
– practical course  
– symposium



Valery Forbes  
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USA  
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PhD Coastal Oceanography

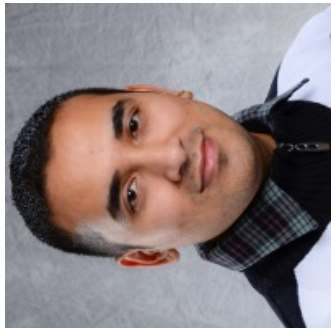
ecotoxicology, population modeling, aquatic invertebrate ecology and physiology

– mark  
– certificate  
– practical course  
– symposium

Vaskar Nepal KC  
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 Gloucester Point  
 USA  
 vnepalkc@vims.edu

Fisheries Science; marine science; applied data analysis  
 Fisheries ecology and management; biogeography; anthro-  
 pogenic impacts on fisheries population ecology; invasive  
 species and conservation ecology

– mark  
 + certificate  
 + practical course  
 – symposium



Virgile Baudrot  
 43 bd du 11 novembre 1918  
 VILLEURBANNE  
 France  
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PhD : modeling transfer of parasites and chemical compounds  
 in food webs.  
 My main research theme is on the development of models in  
 ecology, ecotoxicology and eco-epidemiology. I'm particularly  
 interested in how food webs topology regulate the dynamics  
 of disease (parasites) and chemical pollution, and in feedback  
 how food webs respond to these contaminations.

– mark  
 – certificate  
 – practical course  
 – symposium







Viviane David  
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Verneuil-en-Halatte  
France  
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biology, ecology, ecotoxicology, modelisation, statistics (Engineering school then PhD student) - mark  
The aim of my PhD project is to assess the effects of chemicals on the population dynamics of a freshwater fish (Threespined stickleback). In order to perform this, we would like to develop a DEB-IBM model. The data come from mesocosm experiments conducted in the INERIS platform. + certificate  
- practical course  
- symposium