

# Participants of the DEB 2017 School and Symposium

updated 2017/05/19



Andre Gergs  
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Germany  
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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  
CANDELA  
C/ Miquel Marqus, 21  
ESPORLES  
Spain  
andreamposcandela@gmail.com

CAMPOS- PhD in Marine Sciences and Applied Biology (2014-  
currently).

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 disentangling the mechanistic relationships among (1) behavior/activity pattern, (2) food assimilation rate, (3) growth and (4) reproductive potential.

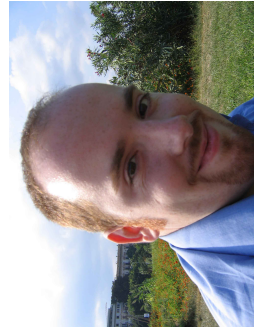
- mark  
+ certificate  
+ practical course  
+ symposium

Antonio Giacoletti  
via sampolo 48  
Palermo  
Italy  
anto.giacoletti@gmail.com

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

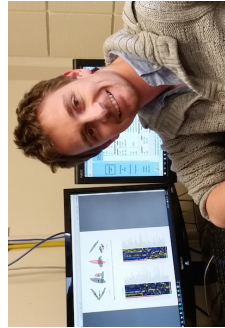




Bas Kooijman  
Donkiaan 5  
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bas.kooijman@vu.nl

Theoretical Biology, mathematics  
Dynamic Energy Budget theory

- mark  
- certificate  
+ practical course  
+ symposium



Bastien Sadoul  
Environmental Physiology  
and Toxicology Department  
of Biological Sciences Uni-  
versity of Calgary, 2500  
University Drive NW  
T2N1N4 Calgary  
Canada  
bastien.sadoul@ucalgary.ca

My main research of interests are related to the physiology and behavior of fish with a particular emphasize on the long term effects of early stressors. I investigate the role of contaminants, temperature and  
Studying the possibilities of varying a DEB parameter across time.

- mark  
- certificate  
+ practical course  
+ symposium



Bob Kooi  
de Boelelaan 1085  
1081HV Amsterdam  
Netherlands  
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researcher Theoretical Biology VU-Amsterdam  
Link between DEB-individual model and population and  
ecosystem models  
- mark  
- certificate  
+ practical course  
+ symposium



Catalina Chaparro Pedraza  
Science Park 904, building  
C  
1098XH Amsterdam  
Netherlands  
p.c.chaparropedraza@uva.nl

Biologist and engineer, postgraduate formation (MSc and  
PhD) in theoretical biology  
- mark  
- certificate  
+ practical course  
+ symposium  
The dynamics arising at the population and community level  
from the interaction of individuals and its behavior. I am cur-  
rently studying the migratory phenomenon in fishes and its  
consequences at the population level based on assumptions of  
the individual energetic dynamics.



Cheryl Murphy  
15860 Short Street  
East Lansing  
USA  
camurphy@msu.edu

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.

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CHIARA ACCOLLA  
Ecology Building, 1987 Upper Buford Circle  
St. Paul  
USA  
chiara.accollav@gmail.com

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.

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Christina Wood  
 National Oceanography  
 Centre, European Way  
 SO14 3ZH Southampton  
 UK  
 c.l.wood@soton.ac.uk

DEB - none MSci - Marine Biology: invertebrate reproduction and benthic ecology. - mark certificate  
 Marine benthic ecology: + practical course  
 - 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. + symposium

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Claudia Lopez-Alfaro  
751 GSB University of Alberta  
T6G 2H1 Edmonton  
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



David Costalago  
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Stockholm  
Sweden  
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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



Elke Zimmer  
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Rodorf  
Germany  
elke.zimmer@ibacon.com

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



Felix Massiot  
350 commercial street  
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  
 +  
 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.

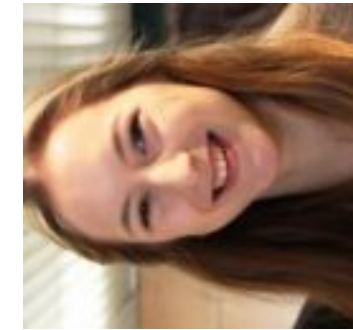
- mark  
 + certificate  
 + practical course  
 + symposium



Gonalo Marques  
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 Portugal  
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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, Physiology 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



Ines Lopes  
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 Portugal  
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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  
 ruyterstraat 86  
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 Netherlands  
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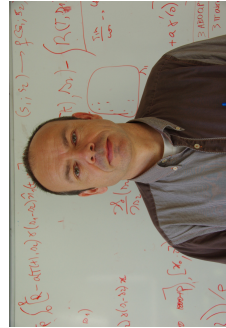
Marine Biology and Ecology  
 I started my PhD in March 2014 . I work at the Royal Nether-  
 lands Institute for Sea Research (NIOZ), situated on Texel, a  
 small island in northern Holland. My project focuses on the  
 understanding of the growth biology of Arctica islandica. I  
 will study the timing 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



Jaap van der Meer  
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 1790 AB Den Burg  
 Netherlands  
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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



Jean-Christophe POG-  
 GIALE  
 MIO - OCEANOMED -  
 Campus de Luminy  
 Marseille  
 France  
 jean-  
 christophe.poggiale@univ-  
 amu.fr

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.

Jean-Pierre Desforjes  
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 Denmark  
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Environmental toxicology, molecular biology, immunology, endocrinology  
 Understanding how environmental stressors, focusing on contaminants, affect the physiology and overall health of wildlife populations. Use various molecular tools to look at molecular and individual health and

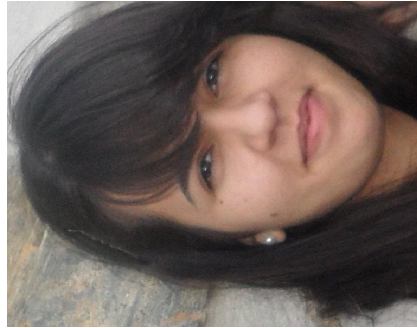
– mark  
 – certificate  
 + practical course  
 + symposium



Jessica Morais  
 Avenida Rovisco Pais,  
 1049-001 Lisbon  
 Portugal  
 jessica.morais@tecnico.ulisboa.pt

Master in Biomedical Engineering (FCT-UNL)  
 DEB Theory; Optimization/Mathematical Programming (Matlab); Derivative-free Optimization

+ mark  
 + certificate  
 + practical course  
 + symposium



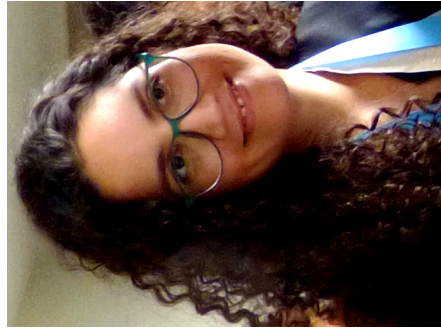


Jessica Stubbs  
 (M092) 35 Stirling HWY  
 Crawley  
 Australia  
 jessica.stubbs@research.uwa.edu.au

Bachelor of Science (Honours) majoring in Zoology and Marine Science

I am interested in the biology and ecology of marine turtles. My PhD is focused on the foraging ecology and energetics of 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.

- mark  
 + certificate  
 + practical course  
 + symposium

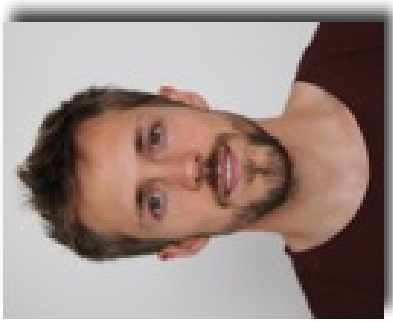


Joany Mario  
 Department of Biology,  
 Memorial University  
 A1B 3X9 St. John's  
 Canada  
 joanyvalentina@gmail.com

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



Josef Koch  
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 F - 2nd Floor, Coupure  
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 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



Kim Ladermann  
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 Germany  
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 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



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



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

Ecophysiology, biophysical ecology, thermal biology, microclimatology, evolutionary biology, herpetology, entomology  
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.

– mark  
– certificate  
+ practical course  
+ symposium





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

Master's degree in Oceanography specialized in ecological modeling  
 + mark  
 + certificate  
 + practical course  
 + symposium

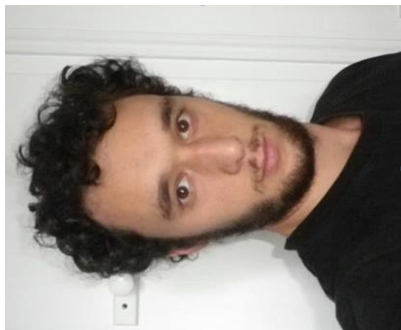
I'm working on putting together existing models in order to describe, *Pinctada margaritifera* life cycle. The objective is to understand the factors behind variations of spat collecting and thus optimize cultural practices in Tuamotu atolls. In this context my main research interests include different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



Nicola Mitchell  
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 Crawley  
 Australia  
 nicola.mitchell@uwa.edu.au

Ecophysiology and development of amphibians and reptiles  
 - mark  
 - certificate  
 + practical course  
 + symposium

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.



Nicolas Djeghri  
IUEM technopole Brest-  
Iroise rue Dumont d'Urville  
Plouzane  
France  
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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 Respiration; Physiology

I spend much of my time studying how insect biology changes along environmental gradients (latitude, altitude, climatic, agricultural): particularly their ecology, physiology and behaviour. 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



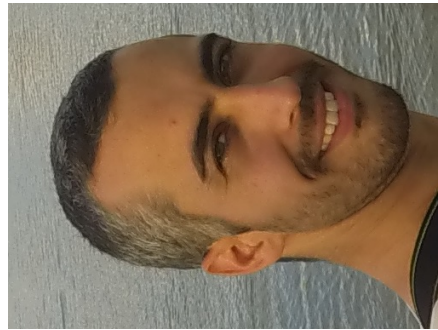
Orestis Stavrakidis  
PO Box 2214  
GR 71003 Heraklion  
Greece  
ostavrak@gmail.com

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

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

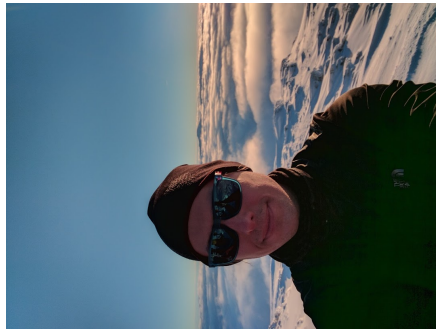




Quentin QUEIROS  
Avenue Jean Monnet  
34200 Sète  
France  
quentin.queiros@ifremer.fr

MSc marine biology and ecology / PhD student on small pelagics  
- mark certificate  
+ practical course  
+ symposium

I'm studying the mechanisms of the bottom-up control on the small pelagics in the Gulf of Lions (France).



Raymond Nepstad  
Brattørkaia 17C  
7018 Trondheim  
Norway  
raymond.nepstad@sintef.no

Computational physics, numerical modeling of marine transport and fate.  
- mark certificate  
+ practical course  
+ symposium

Marine pollutant transport and fate modeling (oil, produced water, particulates). Fate-IBM-TKTD models. Also lately interested in model parameter estimation, esp. of TKTD and DEB models for ecotox.



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 Ma-  
 rine Biology  
 Santa Barbara  
 USA  
 nisbet@lifesci.ucsb.edu

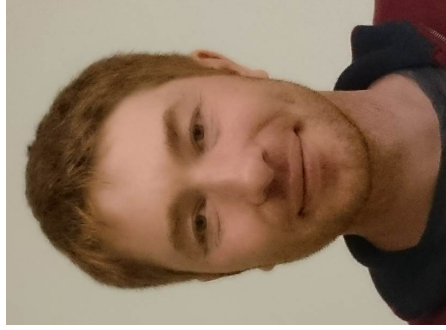
PhD in theoretical physics. Postdoctoral training in biology.  
 Many areas of ecological theory and modeling with emphasis  
 on models that relate processes at different levels of biological  
 and ecological organization. Current work focuses both on  
 fundamentals of DEB and DEB-inspired theory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



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 University of Amsterdam,  
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 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



Rose Stainthorp  
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

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Kaohsiung  
Taiwan  
sphuang0711@gmail.com



physiological ecology, herpetology, biophysical models, respirometry  
- mark certificate  
- practical course  
+ symposium  
+  
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.

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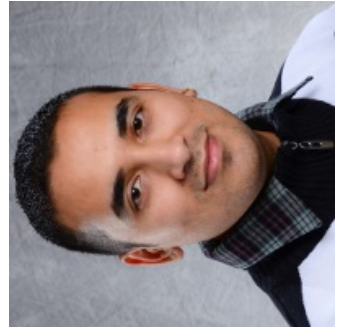
Marine ecology, Ecotoxicology, Theoretical biology, DEB theory  
+ mark certificate  
+ practical course  
+ symposium  
+  
DEB theory development and applications, Impact of (multi-)stressors on marine organisms, patterns in sensitivity, development





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

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



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 USA  
 vnealkc@vims.edu

Fisheries Science; marine science; applied data analysis - mark  
 Fisheries ecology and management; biogeography; anthropogenic impacts on fisheries population ecology; invasive species and conservation ecology + certificate  
 + practical course  
 + symposium