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# EcoAqua Summer school (Fourth edition) <<Blue Innovation in Islands>>



**11 – 14 September 2018**

***University Institute in Sustainable Aquaculture and Marine Ecosystems (IU-ECOQUA)  
Scientific and Technological Marine Park, University of Las Palmas de Gran Canaria,  
Canary Islands, Spain***

## **OBJECTIVES**

The ECOQUA Summer School 2018 will provide the participants a solid overall understanding of basic and applied aspects related with Blue Growth Initiatives in Island Systems, such as European Outermost Regions and Small Islands Developing States. The course will address new tools and technologies applied to relevant topics such as Governance, Aquaculture, Marine Spatial Planning and Conservation. The course will be given by academics and professionals, with practical knowledge, experiences, and applicable methods as related tools.

The scientific and technical courses will be organized around four specific modules:

- Blue Growth and Ocean Governance
- Innovations in Aquaculture
- Current trends in Marine Spatial Planning in Island Systems
- Advances in Marine Conservation

Besides lectures by renowned experts actively involved in different aspects of maritime economy, there will be a field trip and practical challenges. As the panellists are leading experts in diverse topics related to sustainable development and responsible use of marine resources, the course will provide a forum for exchange of know-how and good practices between those experts and participants.

## **TARGET AUDIENCE**

Early-stage researchers and professionals (Masters and above) interested in Blue Growth, Bioeconomy, Sustainable Aquaculture, Marine Conservation, Coastal Tourism, as well as the application of the European Blue Growth Strategy and related European Directives.

## **PROGRAMME**

**Day 1: Tuesday Sept 11<sup>th</sup> Rectorate Building ULPGC, Las Palmas de Gran Canaria**

### **Workshop Maritime Spatial Planning for Islands–European MSP Platform \***

09.00–09.20 Welcome words

*D. Pedro Ortega, Economics and Development Consellor of the Canarian Regional Government*  
*Prof. Rafael Robaina, Rector ULPGC, Spain*  
*DG MARE Representative*

09:20-10:15 **SESSION 1 " Maritime Spatial Planning for Islands –Current Perspectives and Experience"**

09:20 –09:30 Islands context for MSP –An Introduction: Helena Calado  
Moderator: Helena Calado, University of the Azores

09:30 –10:15 Presentations

- Michelle Borg, Manager for the Green and Blue Development Unit in the Planning Authority, Malta Sustainable Marine Planning on Islands
- Rachel Shucksmith, NAFC Marine Centre, Shetland Islands, Scotland
- Stefan Husa, Government of Åland –MSP in the Åland Islands, Finland

10:15 –10:30 Panel and Q&A

**10.30- 11:00 Coffee break**

11:00 –11:45 **ROUND TABLE DISCUSSION 1 "Specific Challenges in Implementing MSP for Islands"**

Building on the discussions so far regarding experience of MSP in islands, in this session participants will divide into groups and discuss the challenges that are faced in relation to MSP in islands, including whether these are unique to islands and how they differ between islands of different status. Each round table will summarise the key points raised during their discussions.

11:45 -13:15 **SESSION 2 "Blue Growth Opportunities for Islands"**

Moderator: Helena Calado, University of the Azores

**11:45 –12:45 Presentations**

- Dania AbdulMalak, Director of the ETC-UMA, University of Malaga –Blue Growth, Energy Optimisation and biodiversity on Islands
- Harry Coccossis, University of Thessaly -Tourism and Islands
- Andrej Abramic –University Las Palmas Gran Canaria –Balancing maritime sector development and environmental planning, supporting socio-economic growth and ensuring environmental services (PLASMAR / MarSP)
- Ester Anna Armannsdóttir, Iceland National Planning Agency MSP and the National Bioeconomy Strategy

**12:45 –13:15 Panel and Q&A**

**13.15-14:00 Lunch Break**

**14:00 –15:15 ROUND TABLE DISCUSSIONS 2 "What are the particular challenges and opportunities for islands in achieving Blue Growth?"**

Participants will be divided into groups to undertake facilitated group work to identify specific opportunities relating to blue growth sectors in islands, and the challenges that may be faced. Knowledge exchange between regions and sectors.

**15:15 –15:30 Coffee Break**

**15:30 –17:00 SESSION 3: 'Addressing the socio-economic and environmental pressures faced by Island Communities'**

Moderator: Stephen Jay, EU MSP Platform

**15:30 –16:45 Presentations**

- Manuel Ara de Oliveira, Deputy, Secretaria Regional do Ambiente e Recursos Naturais –Direção Regional do Ordenamento do Território e Ambiente on "Experience of engaging stakeholders in the autonomous region of Madeira"
- Christian Pleijel, Vice Chair of the European Small Islands Federation (ESIN)
- Julia Jordan -Délégation à la mer et au littoral, France –Addressing land based pressures on Island Marine & Coastal Areas (TBC)

- Athena Mourmouris, Honorary Director General for the Environment, Greece – Experiences from the Ionian Islands Pilot Project
- Anna Papachatzki, Ministry of the Environment and Energy, Directorate of Spatial Planning, Department of National Spatial Planning Strategy, Greece -MSP for Islands -the case of Greece

16:45 –17:00 Panel and Q&A

17:00 -17:30 **Summary and workshop conclusions**

**Day 2: Wednesday Sept 12th, Scientific & Technological Marine Park of the ULPGC, Taliarte**

**Morning Session:**

**Session 1: Governance of the Oceans**

09:00 –9:45 Blue Growth and Ocean Governance: Fifty Shades of Blue

*Antonella Vasallo, Managing Director, International Ocean Institute Headquarters*

**Session 2: Innovations in Sustainable Aquaculture**

09.45 Food from the Oceans: Trends and Perspectives

*Prof. Sachi Kaushik, IU-ECO AQUA, ULPGC, Spain*

**10.30 Coffee break**

11.00 New Genetic Improvement Tools in Aquaculture

*Dr. Hyun Suk Shin, IU-ECO AQUA, ULPGC, Spain*

11.45 Aquaponics and Circular Economy: ISLANDAP Interreg MAC Project

*Prof. Lidia Robaina, IU-ECO AQUA, ULPGC, Spain*

12.30 Emergent Technologies Applied to Oceanic Sea Cages

*Prof. C.J.Sosa González, IU-SIANI, ULPGC, Spain*

**13.30 Lunch Break**

**Afternoon Session**

15.00 Visit to Spanish Bank of Algae and Aquaponic facilities in Taliarte area.

16:15 Presentation of research topics / posters from attendees and face to face discussion with panellists.

**Day 3: Thursday Sept 13th, Scientific & Technological Marine Park of the ULPGC, Taliarte**

**Morning Session: Blue Growth Policy at Local & International levels: Case Studies**

09.00 Microplastics in the Macaronesia region

Dr. Alicia Herrera Ulibarri, *IU-ECO AQUA, ULPGC, Spain*

09:45 PLASMAR and the Good Environmental Status Indicators System INDIMAR

*Dr. Andrej Abramic, IU-ECO AQUA, ULPGC, Spain*

**10.30 Coffee Break**

11.00 MSP Application in a Tropical Small Island State: Principe Island Marine Protected Areas Network

*Dr. Francisco Otero-Ferrer, IU-ECO AQUA, ULPGC, Spain*

11.45 Blue Growth Policy at the Local Level: Bioasis Gran Canaria, Platform of Excellence in Blue Biotechnology and Aquaculture

*D. Cosme García Falcón, Society for the Economic Promotion of Gran Canaria, (SPEGC), Cabildo de Gran Canaria, Spain*

12:30 Visit to the Aquaculture Facilities in Gran Canaria Marine Pole: Broodstock, Experimental Transfer Unit, IMTA, etc.

**13. 30 Lunch Break**

### **Free Afternoon**

Alternative visits to the Macaronesian Botanical Garden in Tafira, Whale-watching activity in the south part of the island, etc.

**20.00 Summer School Dinning in Vegueta (Old City quarter cost not included in the Summer School fees)**

### **Day 4: Friday Sept 14th, Scientific & Technological Marine Park of the ULPGC, Taliarte**

#### **Morning Session: Advances in Marine Conservation**

09:00 Insights on new marine sensors applied to oceanic and benthic ecosystems  
Prof. Patrizio Mariani, *Danish Technological University, Copehanger, Denmark*

09:45 Applied remote sensing tools to characterize marine seabeds  
Dr. Peter Feldens, *Leibniz Institute for Baltic Sea Research Warnemünde (IOW), Germany*

#### **10:30 Coffee Break**

11:00 Autonomous Robots for Tracking Marine Endangered Species  
Prof. Jorge Cabrera, *IU-SIANI, ULPGC, Spain*

11:45 Integrating landscape, demographic and genetic responses to track seagrass degradation  
Prof. Fernando Tuya, *IU-ECOQUA, ULPGC, Spain*

12:30 Biodiversity and Ocean Governance beyond National Jurisdictions  
Prof. Ronan Long, *World Ocean Institute, UN World Maritime University, Malmö, Sweden*

13:00 Summer School Closing Session



## **PRACTICAL INFORMATION**

### **Venue:**

All sessions will be held at Research Institute ECOAQUA located in the Scientific and Technological Marine Park, University of Las Palmas de Gran Canaria, Crta. a Taliarte s/n, 35214 Telde, Spain.

### **Registration:**

Candidates can register through the Scientific and Technological Park Foundation (FPCT) web page (<http://fpctserver.upe.ulpgc.es/fpctcursos/matricula.php?curso=FP-0079>). Any additional information required for registration please check the EcoAqua web page ([http://ecoaqua.ulpgc.es/ecoaqua\\_project/](http://ecoaqua.ulpgc.es/ecoaqua_project/)) or contact the organization secretariat or EcoAqua coordinator (contact information in below). Interested participants are required to provide a summary of their field of research or interest in a Power point or poster format to finalise the registration process. Selected attendants from other ORs and OCTs will have access to scholarships funded by the EcoAqua ERA Chair project.

Space is limited to a maximum of 25 attendees. Registration is on a first come, first served basis and space is limited.

Registration will remain open until the **20th of August 2018**

*Registration fees:* The fees include tuition, materials, coffee/tea and technical visits.

- Early registration (**Until 1st of August**): 150€
- Standard registration (**From 1st of August to 20th of August**): 250€

\* The fees do not apply to participants attending exclusively the Workshop on MSP and Islands

### **Scholarships:**

Two scholarships for attendants from European ORs and OCTs are offered by the EcoAqua ERA Chair project and will cover course fees and travel costs.

- *Eligibility:* To be considered for the Scholarships the applicant must:
  - Be an attendant coming from any European Outermost Regions or from any European Overseas Countries and Territories.
  - Scholarships registration deadline for reception of application will remain open until the **1<sup>st</sup> of August 2018**.

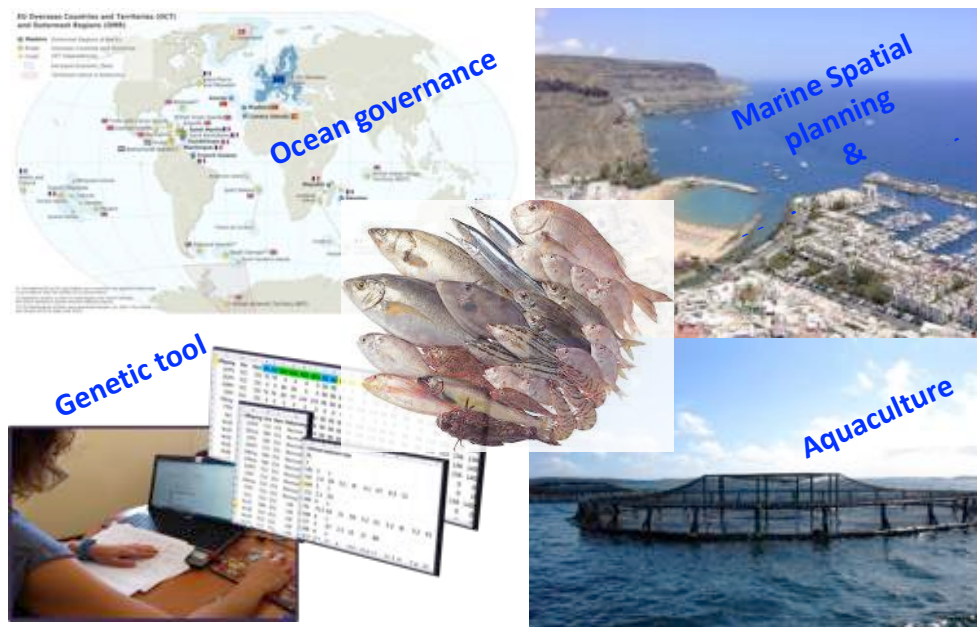
- Submit a resumed CV (three pages maximum) together with a letter of interest and, at least, a letter of reference to the following email address: [gcourtois@fpct.ulpgc.es](mailto:gcourtois@fpct.ulpgc.es)

**Structure:**

This professional course is taught in English. Lectures will be given during morning sessions while the afternoon sessions will be dedicated to face to face discussion and visit of the facilities.

**Accommodation:**

Rooms are available at the Albacar hostel (<http://hostalalbacar.com/Habitaciones>) located at walking distance (15 min) from the facilities. The hostel is close to Melenara beach and 10 min by car from Gran Canaria airport, 15 min by car from the city center, Las Palmas de Gran Canaria. Please book your reservation directly through their web page.



**Contacts:** Please contact the Organisation Secretariat for further details:

Dr. Gercende Courtois de Vicose ([gcourtois@fpct.ulpgc.es](mailto:gcourtois@fpct.ulpgc.es))

Prof. Ricardo Haroun ([ricardo.haroun@ulpgc.es](mailto:ricardo.haroun@ulpgc.es)) (EcoAqua coordinator)



