

A detailed illustration of a satellite in space, featuring a central body with various instruments and two large, circular parabolic antennas. The satellite is set against a dark, star-filled background with a blue nebula-like glow.

Virtual School of Oceanography from Space

23-27 November 2020

Presentation of the Lecturers

Prof. SYLAIOS GEORGIOS

DEMOCRITUS UNIVERSITY OF THRACE, GREECE



Academic Background

BSc in Geology (Univ of Patras)

MSc in Oceanography
(Southampton Univ)

PhD in Oceanography
(Southampton Univ)

Professional Background and skills

**Professor in Department of
Environmental Engineering, DUTH**

**Coordinator of 34 Research projects
(national and EU-funded)**

**80 Journal publications
8 Book Chapters - 1 e-Book**

Coordinator of ODYSSEA Project

Dr Hayley Evers-King, EUMETSAT, UE
European Organisation for the Exploitation of Meteorological Satellites



Academic Background

10 years experience in the use of satellite data for research in marine science.

PhD in remote sensing of Harmful Algal Blooms, University of Cape Town

MSc in Oceanography, University of Southampton

BSc (Hons) Environmental Science, University of Plymouth

Professional Background and skills

Currently working at the interface between data users and providers at EUMETSAT including technical user support, training, service and application development.

Experience with ocean colour, SST and altimetry, as well as ocean models.

Python programmer

Passionate science communicator

Simon KEEBLE - BLUE LOBSTER IT LIMITED

Wales, United Kingdom



www.bluelobster.co.uk



Academic Background

COMMERCIAL

Professional Background and skills

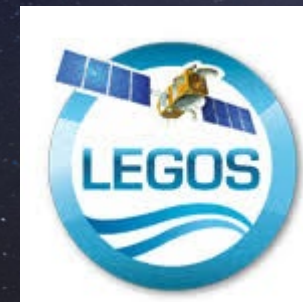
Creative & Technical Director at software and communications consultancy Blue Lobster IT Limited

30+ years working in high performance data centric software development environments across a variety of sectors.

The last 15 years mainly focused in marine & aquatic sciences.

Prof. Florence Birol, CTOH/LEGOS, France

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales



Academic Background

- Habilitation à Diriger les recherches (*Research Supervising Qualification*)
- PhD in Physical Oceanography
- Master's degree

Professional Background and skills

- 2005-2017: Ass. Professor, Université Paul Sabatier, Toulouse, France
- 2012+: Head of the French observation service CTOH
- 2017+: Professor, Université Paul Sabatier, Toulouse, France

Research interests:

Development of altimetric data processing and applications dedicated to coastal areas. Physical oceanography. Environmental satellite data analysis.

Dr. Fernando Niño, CTOH/LEGOS, France

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales



Academic Background

Ph. D. in Geophysics (1997),
Université Montpellier II,
Montpellier (France)

Software Engineer (1990),
Computer Science Major at
Universidad de los Andes,
Bogota (Colombia)

Professional Background

2008->: Chief Technical Officer of the
french altimetry service CTOH
2000-2008 : Project Leader in Scientific
Application Development (IRD/Médias-
France, Toulouse)

Skills & Research Interests:

Physics of the altimetry signal
Numerical modelling of geophysical
processes
Parallel and concurrent programming

Fabien Léger, CTOH/LEGOS

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales



Academic Background

Engineer in Water Science
Polytech'Montpellier (France)

Professional Background

2016 : CNRS Engineer at LEGOS,
development of the CTOH coastal
altimetry data processing chains.
Past : CNRS Engineer at
CNRM, LEGOS and Ifremer

Skills & Research Interests

Coastal altimetry
Physical oceanography
Remote sensing



Dr Cori PEGLIASCO, CLS, France

Collecte Localisation Satellite



Academic Background

PhD in Physical Oceanography
(2015)

« Vertical structure of mesoscale
eddies in the 4 major Eastern
Boundary Upwelling Systems, LEGOS
(Toulouse, France)

Professional Background and skills

Detecting and tracking mesoscale eddies
Colocation with in situ data to analyse the
eddies' 3D structure

2016 – 2020 : Post-doc on the vertical structure
of mesoscale eddies in the Mediterranean Sea
– ANR DYNED-Atlas and SHOM fundings, LEGOS
(Toulouse, France)

Dr. Katerina Spanoudaki, FORTH, Greece

Foundation for Research and Technology-Hellas



Academic Background

- Diploma in Engineering (National Technical University of Athens)
- MSc in Environmental Engineering and Hydrology, (Imperial College)
- PhD in Water Resources Engineering (National Technical University of Athens & Cardiff University)

Professional Background and skills

- 2013- Collaborating Researcher, FORTH, Lecturer, Hellenic Mediterranean University
- Numerical modelling of coastal hydrodynamics and marine pollution, water resources engineering

Juan PEÑA, Chief Executive Officer, ORBITAL EOS

<https://www.orbitaleos.com/>

ORBITALEOS

Earth Observation Solutions
*Transforming space data into
actionable insights*



Academic Background

MSc Remote Sensing & Data
Analytics

BSc Oceanography

Professional Background and skills

12 years as Tactical Coordination
Officer (TACCO) onboard a Maritime
Surveillance Aircraft for the Spanish
Maritime Safety Agency (SASEMAR)

Spanish Institute of Oceanography
(IEO), Researcher

ZACHOPOULOS KONSTANTINOS, Research Associate

PhD Candidate in DUTH, Greece

Academic Background

PhD Candidate in Democritus University of
Thrace, Greece

MSc in Marine Renewable Energy, Heriot Watt
University, U.K.

BSc in Marine Sciences, University of the
Aegean, Greece

Professional Background and skills

Solid experience in Remote Sensing
techniques and GIS applications
gained through participation in
several EU funded projects (e.g
ODYSSEA project, HERMES, TRITON)
Experience in hydrodynamic modeling
in Rivers and Coastal Environment



Dr Nikolas Kokkos , Research Associate, DUTH, Greece



Academic Background

- PhD in Oceanography

Democritus University of Thrace, Greece

- BSc in Environmental Engineering,
Democritus University of Thrace, Greece

Professional Background and skills

Experience in hydrodynamic modeling
in Coastal and River Environment

Solid experience in Remote Sensing
techniques and GIS applications
gained through participation in
several EU funded projects (e.g Figaro,
Mare Nostrum, ODYSSEA, Hermes,
Triton)

MÉSZÁROS, Lőrinc (Deltares), The Netherlands

Deltares



Academic Background

- PhD in Applied Statistics (ongoing)
- MSc in Hydroinformatics and Water management
- BSc in Civil Engineering

Professional Background and skills

- Data science applications for earth observation and numerical modelling
- Integrated monitoring and modelling of marine and coastal water quality
- Setting up downstream coastal prediction systems using Copernicus Services