



Dr. Ana B. Ruescas

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Background

Ana Ruescas got her Bachelors in Geography from the UVEG. She then worked as a research assistant, first in the Dpt. Geography at UVEG, and later at the University Jaume I (UJI) where in 2006 she earned her PhD. She also holds a Ms. in GIS (2003). She did post-doc work in the IPL (UVEG), and afterwards moved to ESRIN (ESA) where she supported the educational section of the Science Strategy, Co-ordination and Planning Office, Science, Applications and Future Technologies Department as a trainee. Ana joined Brockmann Consult GmbH (BC) in 2011 as a remote sensing specialist. She is currently supporting projects related with ocean colour water quality for BC, first based in Germany and since last year (2016) from Spain. She also works part time as a research fellow at the Image and Signal Processing group at UVEG (European Research Council SEDAL project: <http://isp.uv.es/sedal.html>). She is lecturing in the Geography Department (UVEG) as well as keeping active participation in several ESA and POGO-AWI Ocean Colour and Land Remote Sensing courses.

Activities in education

Dr. Ana B. Ruescas has many years of professional experience in education and user training at the European Space Agency (ESA). Her first foray in the field of education and training took place during her PhD and post-doctoral periods, first as part of her certification in pedagogical techniques at the UVEG Spain, and then in the training from the UJI for teaching the numerous courses she would eventually design and conduct as a research assistant.

For two years she had the opportunity to dedicate full time work to EduSpace projects (ESA), where she designed online training material for satellite data users and educators, and prepared and delivered training courses throughout Europe and Latin America on a wide range of remote sensing topics, including optical as well as microwave (interferometry techniques). In addition, she supported Dr. F. Sarti with the supervision of Italian and Spanish students doing their master theses at the ESRIN facilities.

Alongside the responsibilities as an internal project manager and data analyst (CalVal activities) in her current position at Brockmann Consult, she also prepares and delivers ocean colour specialization courses for the purpose of training users in SNAP- Sentinel 3 Tool box and SMOS Toolbox. During this time, and as a result of her achievements while at ESRIN, she has been invited back by ESA on several occasions to give lectures and hands-on training on their behalf for numerous land and ocean specialization courses in China, Spain, France, Romania, among others. She also been a repeat lecturer and trainer in several of the Alfred Wegener Institute ocean color remote sensing specialization courses for the Partnership for Observation of the Global Ocean (POGO); and she has been invited by the Nordic Network to give a course on the software ODESA (ACRI).

Recent projects

- C2X: <http://www.brockmann-consult.de/c2x/index.php/home/>
- SEDAL: <http://isp.uv.es/sedal.html>
- OC-CCI: <http://www.esa-oceancolour-cci.org>
- DELIGHT : <http://www.delight.eoc.dlr.de>

Selected publications

M. Eleveld; A. B. Ruescas; A. Hommersom; T. Moore; S.Peters; C. Brockmann. *An Optical Classification Tool for Global Lake Waters*. Remote Sensing, doi:10.3390/rs9050420

C. Mazeran; C. Brockmann; A. B. Ruescas; F. Steinmetz; M. Zuehlke . *A revisit of system vicarious calibration for non-standard ocean colour algorithm. Application to SeaWiFS, MODIS-Aqua and MERIS data processed by POLYMER*. Remote Sensing of Environment, RSE-D-16-01485, 1st revision February 2017

A. B. Ruescas; O. Danne; N. Fomferra; C. Brockmann. *The Land Surface Temperature Synergistic Processor in BEAM: A Prototype towards Sentinel-3*. Data 1 (3) :18, 2016, doi:10.3390/data1030018

J. A. Sobrino; J. C. Jimenez-Muñoz; G. Soria; A. B. Ruescas; O.Danne; C. Brockmann; D. Ghent; J. Remedios; P.North; C. Merchant; M- Berger; P. P. Mathieu; F. M. Goettsche. *Synergistic use of MERIS and AATSR as a proxy for estimating LST from Sentinel-3 data*. Remote Sensing of Environment 179 :149 - 161, 2016, <http://dx.doi.org/10.1016/j.rse.2016.03.035>

A. B. Ruescas; M. Arbelo; J. A. Sobrino; C. Mattar. *Examining the Effects of Dust Aerosols on Satellite Sea Surface Temperatures in the Mediterranean Sea Using the Medspiration Matchup Database*. Journal of Atmospheric and Oceanic Technology 28 - 5, pp. 684 - 697. American Meteorological Society, 2010. DOI: 10.1175/2010JTECHA1450.1