

Alina Găinușă-Bogdan

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Age: 34
Nationality: Romanian
International experience



Scientific Researcher – 11 years of experience

Key skills	<ul style="list-style-type: none">• Interdisciplinary climate-plant physiology R&D experience in cocoa trading sector• Climate Sciences training and research experience, integrating models, in situ and satellite observations; in-house seasonal prediction model development• Extended programming, Earth System modeling and data analysis experience• Project development and management, including within public-private partnerships• Science communication with a wide range of interlocutors, from laymen to scientists• Organized, autonomous, interdisciplinary, problem-solving, application-oriented mindset
PC knowledge	Programming/data analysis: MATLAB, Fortran 90, bash, Python, R, ArcGIS, Ferret, CDO, NCO, IDL, MB-System, GrADS, Gnuplot; numerical modeling: IPSL, PUMA, HydroLight; supercomputing: TGCC, Ciclad, IDRIS; big data management: Hadoop; version control: Git; graphic editing: Inkscape; word processing: LaTeX; Microsoft Office suite; operating systems: Windows, Linux, Mac
Languages	Romanian – native; English – proficient; French – proficient; Spanish, Italian – beginner
Work experience	
Scientific Researcher	10/2016-present <i>LBMS - Rockwinds, Bordeaux, France</i> Head of R&D department: climate and cocoa physiology research to improve the predictability of climate-related variations in West African cocoa production
Research engineer	04/2015-03/2016 <i>LSCE (Laboratoire des Sciences du Climat et de l'Environnement), Saclay/EPOC (Environnements et Paléoenvironnements Océaniques et Continentaux), Bordeaux, France</i> Multi-model analysis of Mid-Holocene winter anomalies 02/2014-03/2015 <i>LMD (Laboratoire de Météorologie Dynamique), Paris, France</i> IPSL climate model evaluation and development
Research assistant	10/2010-12/2013 <i>LSCE, France</i> IPSL climate model evaluation 08/2008-08/2010 <i>University of Maine, Orono, Maine, U.S.A.</i> Development of Monte Carlo radiative transfer model and inversion algorithm for novel seawater inherent optical properties sensor, theoretical instrument evaluation 03/2007-05/2008 <i>Alfred Wegener Institut, Bremerhaven, Germany</i> Climate sensitivity experiments with PUMA model
Teaching assistant	03/2010-05/2010 <i>University of Maine, Orono, Maine, U.S.A.</i> Undergraduate lab course - "Physics in Marine Sciences" 09/2007-05/2008 <i>Jacobs University Bremen, Germany</i> Running the Earth and Space Sciences helpdesk – preparation for all first and second year undergraduate courses
GIS technician	02/2006-08/2007 <i>Geographic Information System lab, Jacobs University Bremen, Germany</i> Map digitization and database management using GIS software
MOOC instructor	06/2015-08/2015 <i>YesYouLearn/Skilleos, France</i> Production and presentation of the English version of the online course « How to sell your photos »

Education

10/2010-12/2013	PhD in Climate Sciences and Oceanography (First Class Honors, CEA-CFR grant) – <i>LSCE, France</i>
08/2008-08/2010	MS in Oceanography (Provost Fellowship) - <i>University of Maine, Orono, Maine, U.S.A.</i>
09/2005-05/2008	BSc in Geosciences and Astrophysics, Oceanography specialization (member of the President's List for all years of enrolment, merit scholarship) - <i>Jacobs University Bremen, Germany</i>

Awards

09/2010	Honorable mention for the submission to the Ocean Optics XX Conference titled "A Novel Concept for Measuring Seawater Inherent Properties In and Out of the Water"
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Publications, scientific communications

2010-present	<p>Participated and presented work in over 20 national and international scientific meetings; Authored or co-authored 7 scientific research papers in Climate Sciences and Oceanography, among which:</p> <p>Găinusă-Bogdan, A., Hourdin, F., Traore, A.-K., Braconnot, P. (2018). Omens of coupled model biases in the CMIP5 AMIP simulations. <i>Climate Dynamics</i>, 51(7-8): 2927-2941.</p> <p>Hourdin, F., Găinusă-Bogdan, A., Braconnot, P., Dufresne, J.-L., Traore, A.-K., Rio, C. (2015). Air moisture control on ocean surface temperature, hidden key to the warm bias enigma. <i>Geophysical Research Letters</i> 42(24): 10885-10893.</p> <p>Bogdan, A. G., Boss, E. S. (2011). Evaluation of a compact sensor for backscattering and absorption. <i>Applied Optics</i> 50(21): 3758-3772.</p>
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Field Work

2007-2012	Participated in 4 oceanographic research cruises and 2 geology field trips
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Volunteering

09/2016	Climate Science and Oceanography outreach at the European Researchers' Night, Cap Sciences, Bordeaux, France
04/2015	Climate Science outreach for senior students in Biology and Earth Sciences in the Jay de Beaufort High School, Périgueux, France
04/2014, 03/2013	Scientific outreach during the 10th and 11th International Weather and Climate Forum, Paris, France
06/2013	Scientific outreach during the 8th Sustainable Development Exhibition, Drancy, France
2010-2013	Preparing and presenting monthly "Current Climate State" talks focused on different aspects of the climate system and including recent observations (in a historical context) as well as theoretical notions related to the data in LSCE, Saclay, France
02/2010	Participation in the COSEE-Ocean Systems Graduate Student-Scientist Collaborative Workshop, Darling Marine Center, Maine, U.S.A.
02/2009, 02/2010	Organizer and performer in the International Dance Festival, University of Maine, U.S.A.

Hobbies

Traveling, hiking, skiing, volleyball, handcrafts, photography, classical guitar, board games
