

Cristian Mihai Adamescu, PhD in Ecology

Current position: Principal Researcher at University of Bucharest, Research Centre for Systems Ecology and Sustainability (UB-RCSES).

Education:

- 2006 - PhD in Systems Ecology
- 2000 - Master in Project Management
- 1997 - Master in Systems Ecology
- 1996- Diploma Degree in Biology/Ecology/Sustainable development

Main research areas:

He finished a master programme in Project Management and another in Systems Ecology. After his PhD thesis about aquatic ecosystems in the Lower Danube River he finished a Post-doctoral programme on "Identifying and quantifying structural and functional long term changes of the ecological communities in the areas included in the National Long Term Socio-Ecological Research Network". His research focuses on dynamics and productivity of freshwater ecosystems, eutrophication and its impact, the functional role of wetlands, phytoplankton population dynamics, development of integrated management plans and biodiversity conservation options. He has finished a programme in Project Management and started his management activities as assistant manager for the World Bank funded project Multi-User Research Base in Systems Ecology. He was team leader on a LifeNatura project, and was responsible for Activity A 3 - Cause-effect analysis and scientific evaluation in Life + ENVEUROPE project. He was part of the team involved in AlterNet / WP I3 -"A network of long term multifunctional, interdisciplinary, ecosystem research (LTER) sites", that developed, the report concerning the "State of the art for LTER 'like' sites". He has over 40 scientific papers and has contributed to 6 books. He is national coordinator at two H2020 projects: a) Esmeralda (Enhancing ecoSystemSERVICES Mapping for policy and Decision making project), a H2020 project aimed at integrating biophysical, social and economic assessment of ecosystem services in Europe and b) eLTER-European Long-Term Ecosystem and socio-ecological Research Infrastructure. He is also member in the National Committee to Combat Drought, Land Degradation and Desertification in Romania.

Previous projects, position held (selection):

1. Eurolimpacs: Integrated Project to Evaluate the Impact of Global Change on European Freshwater Ecosystems (FP6, GOCE-CT-2003-505540);
2. ALTER-Net: A Long-term Biodiversity, Ecosystem and Awareness research Network (NoE, GOCE-CT-2003-505298) – deputy of R4 – "Biodiversity conservation options";
3. ENVEUROPE - Environmental quality and pressures assessment across Europe: the LTER network as an integrated and shared system for ecosystem monitoring, Life+, LIFE08ENV/IT/000399 ; leader for Activity 3 – "Cause-effect analysis and scientific evaluation";

4. LIFE99 NAT/RO/006400 Management plan for the Small Island of Braila/ project manager
5. FAEWE/1995-1997/Functional analysis of the wetlands (Supl. Agreem no. ERBCIPDCT 940108 at the contract no. ERBEV5VCT940559;
6. ERMAS I/1993-1995/Riparian systems as indicators of the global changes EC DG XII contract no. EV5V 33 -CT92 - 0100(I);
7. ERMAS II/1996-1998 Riparian systems as indicators of global changes (EC DGXII contract IC20 -CT96-0010 complementary to ENV4-CT95-0061 (II));
8. BIOFORUM- European Biodiversity forum – implementing the ecosystem approach – project EVK2-CT-1999-2006;
9. VOLANTE, FP7-ENV- 2010-265104 Visions of land use transitions in Europe - Large-scale integrating project supported by the European Commission under the Environment (including climate change) Theme of the 7 Framework Programme for Research and Technological Development;
10. SPIRAL - interdisciplinary research project funded under the 7th Framework Programme, contract number: 244035;
11. Development and implementation of the LIFE NATURA LIFE99/NAT – 006400 – Integrated management plan for Small Island of Braila;
12. Environmental quality and pressures assessment across Europe: the LTER network as an integrated and shared system for ecosystem monitoring (ENVEUROPE);
13. Project manager for “National system for bird species monitoring- art 12Bird Directive” –project SMIS-CSNR 36586, 2011;
14. ESERALDA- Enhancing ecoSystemSERvicesmApping for poLicy and Decision mAking - National coordinator;
15. eLTER-European Long-Term Ecosystem and socio-ecological Research Infrastructure - National coordinator
16. ECOPOTENTIAL- improving future ecosystem benefits through earth observations; member in the research team
17. COREHABS- Connectivity for species and habitats in Romania (SEE grants) - Project manager from Bucharest University
18. ValueEcoserv – The assessment of the ecosystem services provided by protected areas in Romania (SEE grants)- member in the research team

Publications (selection):

- [1] Văidianu M. N., **Adamescu M. C.**, Wildenberg M., Tetelea C. 2014 Understanding Public Participation and Perceptions of Stakeholders for a Better Management in Danube Delta Biosphere Reserve (Romania), *Fuzzy Cognitive Maps for Applied Sciences and Engineering Intelligent Systems Reference Library Springer Volume 54*, 2014, pp 355-374 http://dx.doi.org/10.1007/978-3-642-39739-4_19
- [2] Cazacu C., Adamescu M., Ionescu O., Ionescu G., Jurj R., Popa M., Cazacu R., Cotovelea A. 2014, Mapping trends of large and medium size carnivores of conservation interest in Romania. *Annals of Forest Research* 57(1), p. 97 - 107, DOI: 10.15287/afr.2014.170
- [3] IONESCU, Ovidiu, IONESCU, Georgeta, **ADAMESCU, Mihai**, COTOVELEA, Anuța Ghid sintetic de monitorizare pentru speciile de mamifere de interes comunitar din România, Anuța Editura: Silvică, 2013 ISBN: 978 - 606 - 8020 - 37 – 2
- [4] Stefan Stoll, Frenzel M., Burkhard B., **Adamescu M.**, Augustaitis A., Baeßler C., Bonet F. J., Carranza M. L., Cazacu C., Cosor G. L., Díaz-Delgado R., Grandin U., Haase P., Hämäläinen H., Loke R., Müller J., Stanisci A., Staszewski T., Müller F. 2015, Assessment of ecosystem integrity and service gradients across Europe using the LTER Europe network, *Ecological Modelling*, 295, p. 75-87, ISSN 0304-3800, DOI:10.1016/j.ecolmodel.2014.06.019.
- [5] Furman, E., Varjopuro, R., van Apeldoorn, R., **Adamescu, M.** 2007. The implementation of International Biodiversity Initiatives. In: *Constraints and Successes in Biodiversity under threat*, edited by R.E. Hester and R.M.Harrison, *Issues in Environmental Science and Technology series*, Volume 25, Royal Society of Chemistry, 2007;
- [6] **Adamescu, M.**, Peterseil, J., Datcu, S., Cazacu, C., Angheluta, V. 2009. Elements for the design of a general ecological database, *ICT for Agriculture and Biodiversity Conservation*, p. 1-20
- [7] Vădineanu, A., **Adamescu, M.**, Vadineanu, R., Cristofor, S., Negrei, C., 2003. Past and future management of Lower Danube Wetlands System: a bioeconomic appraisal, *The journal of Interdisciplinary Economics*, vol. 14, p. 415-447.
- [8] Cristofor, S., Vădineanu, A., Sârbu, A., Postolache, C., Dobre, R., **Adamescu, M.C.**, 2003, Long-term changes of submerged macrophytes in the Lower Danube Wetlands System. *Hydrobiologia*, 506/509, p. 625-634.