

## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **David Neves de Azevedo Avelar**

Address 1990 - 403 Lisboa (Portugal)

E-mail(s) david.a.avelar@gmail.com

Nationality Portuguese

Date of birth 09 April 1982

Gender Male

ORCID ID <http://orcid.org/0000-0003-2443-3460>

Researcher ID <http://www.researcherid.com/rid/P-6959-2015>



### Occupational field

#### Biologist

### Work experience

Dates 2008 - present

Occupation or position held Researcher at the Climate Change Impacts, Adaptation and Modelling Research Group (CCIAM) of the Centre for Ecology, Evolution and Environment Changes (CE3C) Research Center at Lisbon University (UL) – [www.cciam.eu](http://www.cciam.eu)

- Main activities and responsibilities
- **CATALISE** - Capacitação para a transição local e inovação social (contribute to deepening indicators, methodologies and tools for dissemination of experiences of community development, sustainable and alternative economy, in the Portuguese context)
  - **CLIMA-Madeira** (Vulnerabilidades e respostas às alterações climáticas no Arquipélago da Madeira) 2014/15 – Biodiversity and Adaptation workpackage team member.
  - **CIRCLE-2 ERA Net** (Climate Impacts Research and Responses for a larger Europe) 2010/14 – coordination team and communication manager. <http://www.circle-era.eu>
  - **JI UNCERT** (Joint Initiative on Climate Uncertainties) 2011/13 – Case study provider and book reviewer. [http://www.circle-era.eu/np4/P\\_UNCERT.html](http://www.circle-era.eu/np4/P_UNCERT.html)
  - **BioAdaPt** (Portuguese Climate Change Adaptation Strategy for Biodiversity) 2011/13 - co-responsible for developing and implementing methodologies to define an adaptation strategy for biodiversity.
  - **ADAPTA CLIMA-EPAL** (Adapting the EPAL urban water cycle to climate change scenarios) 2011/13 – Adaptation Task co-leader. <http://siam.fc.ul.pt/adaptacima-epal/>
  - **SIAM-Cascais** (Strategic Plan for Adaptation to Climate Change in Cascais Municipality); co-responsible for the Biodiversity and Agriculture Impact Assessments and the Integrated Adaptation Strategy. <http://www.siam.fc.ul.pt/PECAC/>
  - **SIAM-Sintra** (Strategic Plan for Adaptation to Climate Change in Sintra Municipality) – responsible for the Biodiversity Impact Assessment. <http://www.siam.fc.ul.pt/siam-sintra/index.php>

### Publications and Communications

#### 2015

- Publications
- Cruz, M.J., Robert, E.M.R., Costa, T., Avelar, D., Rebelo, R. & Pulquério, M. (2015) **Assessing biodiversity vulnerability to climate change: testing different methodologies for Portuguese herpetofauna**. Regional Environmental Change, Online early, . DOI:10.1007/s10113-015-0858-2 (IF2014 2,628; Q2 Environmental Sciences)
  - Gomes, A., Avelar, D., Duarte Santos, F., Costa, H. e Garrett, P. (Editores) (2015). **Estratégia de Adaptação às Alterações Climáticas da Região Autónoma da Madeira**. Secretaria Regional do Ambiente e Recursos Naturais.
- Communications
- Avelar, D., Capela Lourenço, T. **Using a game approach to support decision-makers' appraisal of climate adaptation measures: an example from the water utility sector**. European Climate Adaptation Conference, Copenhagen, Denmark. (May, 2015)

	<ul style="list-style-type: none"> <li>• Avelar, D., Gomes, A., Costa, H., Garrett, P. <b>Innovative approach to the development of a transdisciplinary adaptation strategy - an example from the Madeira islands</b>. European Climate Adaptation Conference, Copenhagen, Denmark. (May, 2015)</li> <li>• Seminar "<b>Organização e prática de estudos de Adaptação e de Mitigação</b>" integrated in the PhD programme on Climate Change and Sustainable Development Policies.</li> <li>• Course "<b>Os pátios escolares como locais de aprendizagem</b>" integrated in "Ciência Viva nos Pátios".</li> </ul>
	<b>2014</b>
Publications	<ul style="list-style-type: none"> <li>• Lourenço, et all (editors) Avelar, D. (Case study author), 2014. <b>Adapting to an Uncertain Climate - Lessons From Practice</b>. Springer ISBN 978-3-319-04875-8</li> <li>• Cruz, M. and Luis, A. (editors) Avelar, D (Chapter author) 2014. <b>Adapta Clima – Contribuições para o Estudo das Alterações Climáticas e Adaptação do Ciclo Urbano da Água</b>.</li> <li>• Sousa, G. A., Avelar, D., Venturini, S., Ferrada Gomes, A. Capela Lourenço, T. (Eds) 2014. <b>Climate Adaptation Research in a Larger Europe: Na analysis at local and National scales</b>. CIRCLE-2 report. Foundation of the Faculty of Sciences, University of Lisbon, Portugal.</li> </ul>
Communications	<ul style="list-style-type: none"> <li>•</li> </ul>
	<b>2013</b>
Publications	<ul style="list-style-type: none"> <li>• P. R. Araújo, E. P. Silva, T. Costa, M. J. Cruz, D. Avelar &amp; M. Pulquério, 2013. <b>Estratégia Nacional de Adaptação às Alterações Climáticas - Sector da Biodiversidade</b> - R - DPOT/ 001 / 2013. Instituto da Conservação da Natureza e das Florestas, Lisboa, 79pp.</li> <li>• Grosso, N., Cruz, M.J., Nunes, J.P., Diogo, P.A., Jacinto, R., Capela Lourenço, T., Avelar, D., 2013: <b>Assessing EPAL's Potential Vulnerabilities to Climate Variability and Climate Change</b>. In: Impacts World 2013 Conference Proceedings. Potsdam Institute for Climate Impact Research, pp: 142. DOI: 10.2312/pik.2013.001</li> <li>• Pijnnaples, M &amp; Dielt, P (editors) Avelar, D. (reviewer), 2013. <b>Adaptation Inspiration Book – 22 implemented case of local climate change adaptation to inspire European citizens</b>. (<a href="http://www.circle-era.eu/np4/InspireBook.html">http://www.circle-era.eu/np4/InspireBook.html</a>) CIRCLE-2 publication, 162pp.</li> <li>• Sousa, A.G., Avelar, D., Venturini, S., Gomes, A., Szabolcs, T., Lourenço, T.C., Mojaisky, M., Imbard, M., Dodd, D., Rovisco, A., Leitner, M., Schauser, I., Carrilho, D., Matzer, O., Street, R., Castellari, S., 2013. <b>CIRCLE-2: Preliminary Findings &amp; Key Questions: Climate Adaptation Research In A Larger Europe: An Analysis at National Scale</b>. Pp 1-14</li> <li>• <b>Adaptation to Climate Change: Revegetation to restore the hydrological cycle</b>. CIRCLE-2 workshop Policy Brief, Teruel.</li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Avelar, D. – <b>Dealing with climate uncertainties in water supply management: EPAL case-study</b>. European Climate Change Adaptation Conference (ECCA). Hamburg (Germany). 2013</li> <li>• Avelar, D. – <b>O Futuro da Ciência da Adaptação às Alterações Climáticas</b>. IGNITE A Ciência do Futuro – Noite Europeia do Investigador (<a href="http://nei2013.eu/">http://nei2013.eu/</a>). Lisboa, 2013</li> <li>• Avelar, D. - <b>Alterações Climáticas e o momentum para a Adaptação</b>. Seminário "Adaptação às alterações Climáticas – Oportunidades e Vulnerabilidade para o sector do Turismo em Cascais" (<a href="http://www.greenfestival.pt">http://www.greenfestival.pt</a>), Cascais, 2013.</li> </ul>
	<b>2012</b>
Publications	<ul style="list-style-type: none"> <li>• Driessen, P. et all 2012 (including D. Avelar) - <b>Societal transformations in the face of climate change Research priorities for the next decade</b>. Joint Programing Initiative Climate support paper. <a href="http://jpi.ipsum35.emmaportal.nl/publications/articles">http://jpi.ipsum35.emmaportal.nl/publications/articles</a></li> <li>• Gomes, A., Venturini, S., Mojaisky, M., Avelar, D., Carrilho, D., Leitner, M., Imbard, M., Matzer, O., Street, R., Castellari, S., Capela, T.C. - (2012) <b>Climate Adaptation research in a larger Europe: an analysis at local and national scales</b>. pp 1-60.</li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Avelar, D., <b>Information on CIRCLE (ERA-NET) Mapping results</b> - FACCE-JPI Mapping and Foresight workshop on Adaptation of Agriculture to Climate Change Options for strategic collaboration (<a href="http://www.faccejpi.com/Document-library/Mapping-meeting-reports">http://www.faccejpi.com/Document-library/Mapping-meeting-reports</a>), Madrid (Spain) February, 2012</li> </ul>
	<b>2011</b>

Publications	<ul style="list-style-type: none"> <li>• Cruz, M.J., Avelar, D., Lourenço, T.C. &amp; Dinis, J. 2011. <b>Climate Change Adaptation Policy Assessment for Cascais Municipality – comparing the potential of Biodiversity measures with other sectoral adaptation measures</b>. Proceedings of the European Conference on Biodiversity and Climate 2011. Pp 75-78. 12 and 13 April 2011, Research Centre CAESAR, Bonn, Germany. <a href="http://www.bfn.info/fileadmin/MDB/documents/service/Skript_310.pdf">http://www.bfn.info/fileadmin/MDB/documents/service/Skript_310.pdf</a></li> <li>• Leitner M., Avelar D., Prutsch A., (2011). <b>From National Adaptation Strategies to concrete Adaptation Actions</b>. CIRCLE-2 workshop Policy Brief, Vienna.</li> <li>• Swart, R.J. and Avelar, D. (eds.). (2011). <b>Bridging Climate Research Data and the Needs of the Impact Community</b> - Proceedings of IS-ENES/EEA/CIRCLE-2 Workshop, 11-12 January 2011. EEA, Copenhagen</li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Avelar, D. &amp; Lourenço, T.C. <b>Uncertainties guidance in the Clearinghouse</b>; 5th Meeting Of The Working Group On Knowledge Base On Climate Change Impacts, Vulnerability And Adaptation, Brussels.</li> <li>• Avelar, D., Almeida, E., Aguiar, R. &amp; Santos F.D. 2011. <b>Beyond the city: Sintra's municipality facing the Climate Change</b>. Poster presented in XI World Congress of the Organization of World Heritage Cities, UNESCO - World Heritage Cities and Climate Change, Sintra.</li> <li>• Avelar, D. &amp; Lourenço, T.C. <b>Fostering cooperation between CIRCLE-2 &amp; FACCE JPI</b>. FACCE JPI-ERA-NETs Brainstorming workshop, Paris.</li> </ul>
	<b>2010</b>
Publications	<ul style="list-style-type: none"> <li>• van Pelt, S., D. Avelar, T. Capela Lourenço, M. Desmond, M. Leitner, C. Nilsson and R. Swart, 2010. <b>Communicate uncertainties -design climate adaptation measures to be flexible and robust</b>. Proceedings of CIRCLE 2 workshop on Uncertainties in Climate Change Impacts, Vulnerability and Adaptation, Stockholm, 11.</li> <li>• Cruz, M. J. e Avelar, D. 2010. <b>Biodiversidade. In Plano Estratégico de Cascais face às Alterações Climáticas</b>. F. D. Santos e M. J. Cruz (Eds), Câmara Municipal de Cascais.</li> <li>• Avelar, D. e Cruz, M. J. 2010. <b>Agricultura. In Plano Estratégico de Cascais face às Alterações Climáticas</b>. F. D. Santos e M. J. Cruz (Eds), Câmara Municipal de Cascais.</li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Avelar, D. Interactive presentation “<b>Alterações Climáticas e Biodiversidade no PNS</b>”- celebrations of International Year of Biodiversity. Escola Secundária Miguel Torga, Monte Abraão.</li> <li>• Avelar, D. Oral presentation “<b>Alterações Climáticas &amp; Biodiversidade</b>”- Lisboa E-Nova. Lisboa</li> <li>• Avelar, D. Oral presentation “<b>Alterações Climáticas - Impactos na Biodiversidade</b>.” Conferência pelo nosso Planeta, WWF – Portugal.</li> </ul>
	<b>2009</b>
Publications	<ul style="list-style-type: none"> <li>• Avelar, D., Correia, A., Santos, M., Domingos, S. &amp; Pereira, J.S. <b>Biodiversidade. In Plano Estratégico de Sintra face às Alterações Climáticas</b>. Aguiar, R., &amp; Santos, F.D (Eds), Câmara Municipal de Sintra.</li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Avelar, D., Cruz, M.J., Santos, M., Correia, A., Aguiar, R. &amp; Santos, F.D. 2009. <b>Forecasting the impacts of climate change in plant invasion: the case study of <i>Acacia spp</i></b>. In Sintra-Cascais Natural Park. Poster presented in BIOLIEF - World conference on biological invasions and ecosystem functioning. Oporto.</li> </ul>
<b>Education and training</b>	
Dates	<b>2015</b>
Title of qualification awarded	<b>Open Space Technology <u>facilitation course</u></b>
Name of the organisation	Fundação da Faculdade de Ciências da Universidade de Lisboa
Dates	<b>2014 - ...</b>
Title of qualification awarded	<b><u>PhD</u> on <b>Biology and Ecology of Global Changes</b></b>
Name of the organisation	Faculdade de Ciências da Universidade de Lisboa & Universidade de Aveiro.
Dates	<b>2012</b>
Title of qualification awarded	<b><u>Summer Lab</u> on <b>Arts, Climate Change and Sustainable Development</b></b>

Name of the organisation	IMAGINE 2020 – Art and Climate Change network
Dates	<b>2010</b>
Title of qualification awarded	<u>Post-graduation</u> on <b>Leadership for Sustainable Development</b>
Name of the organisation	Faculdade de Ciências da Universidade de Lisboa
Level in national classification	18 (0-20)
Dates	<b>2007 - 2008</b>
Title of qualification awarded	<u>Master degree</u> on <b>Environmental Sciences</b>
Principal subjects / occupational skills covered	The potential Impact of Climate Changes on Sintra's Municipality Biodiversity. (Focus on invasive species and wildfires)
Name of the organisation	Faculdade de Ciências da Universidade de Lisboa e Instituto Superior de Agronomia
Level in national classification	18 (0-20)
Dates	<b>2006 - 2007</b>
Title of qualification awarded	<u>Specialization</u> on <b>Environment Sciences and Technologies</b>
Principal subjects covered	Economia e Desenvolvimento Sustentável, Ambiente, Direito do Ambiente e Relações Internacionais, Planeamento e Ordenamento do Território, Gestão da Conservação da Natureza, Avaliação e Monitorização de Impactos Ambientais, Economia do Ambiente, Sistemas de Informação em Ambiente, Auditorias Ambientais, Ecogestão e Qualidade, Tecnologias da Reconversão e Requalificação Ambiental, Sistemas de Abastecimento e Saneamento, Alterações Climáticas e Energias Renováveis, Novos Mercados e Negócios Ambientais, Impactos Socioeconómicos das Políticas e Mercados Ambientais
Name of the organisation	Instituto de Ciências Ambientais e Tecnológicas / Faculdade de Ciências da Universidade de Lisboa
Level in national classification	17 (0-20)
Dates	<b>2005 - 2006</b>
Title of qualification awarded	<u>Course</u> on <b>Permaculture Design</b>
Name of the organisation	Associação Gaia Tasiri - Academida de Permacultura - Nodolo Espiral de Espanha
Dates	<b>2004 - 2005</b>
Title of qualification awarded	<u>Licentiate degree</u> on <b>Biology</b>
Principal subjects covered	The carrying capacity study of an Eco-tourism project and its impacts on local biodiversity.
Name of the organisation	Instituto de Ciências Ambientais e Tecnológicas / Faculdade de Ciências da Universidade de Lisboa
Level in international classification	18 (0-20)
Dates	<b>2000 - 2004</b>
Title of qualification awarded	<u>Bachelor's degree</u> on <b>Applied Biology to Terrestrial Animal Resources</b>
Principal subjects covered	General Mathematics, General Chemistry, Animal Biology, History of Biological Thought, Biochemistry, Microbial Biology, Plant Biology, General Physics, Cell Biology, Genetics, Biostatistics, General Geology, Plant Physiology, Anthropology, Evolution, Ecology, Biosystematics; Ecophysiology; Animal Physiology ; Ichthyology, terrestrial wildlife resources; Animal Ecology, Numerical Ecology, Ethology, zoogeography, Evolutionary Ecology, Limnology, Entomology, Environmental Impact, Wildlife Portugal; Environment and Conservation, Applied Population Dynamics
Name of the organisation	Faculdade de Ciências da Universidade de Lisboa
Level in international classification	16 (0-20)
<b>Conference and workshop organization</b>	

## 2015

- CLIMA-Madeira Project workshop on '**Vulnerability of Madeira to Climate Change**'. February, Funchal
- CLIMA-Madeira Project workshop on '**Adaptation of Madeira to Climate Change**'. April, Funchal.
- **CLIMA-Madeira Project Final Conference** - Presentation of the Regional Strategy of Adaptation to Climate Change, September, Funchal
- **IMPRESSIONS project workshop participation "Developing socio-economic narratives for Iberia case-study"** - 24 to 26 June 2015 - Lisbon
- **Workshop on Open Space Technology**, June, Lisbon
- CATALISE project - workshop "**Catalisar a Transição Local e a Inovação Social**". 24 November, Lisbon, Portugal

## 2014

- **ADAPTATION FRONTIERS - Conference on European Climate Change Adaptation Research and Practice** - CIRCLE-2 FINAL CONFERENCE. <http://adaptationfrontiers.eu> Lisbon, Portugal. 10-12 of March 2014

## 2013

- Conference: **Too Much, Too Little: The Role of Water in Adaptation to Climate Change** (<http://www.apambiente.pt/index.php?ref=x152>), Lisbon, Portugal. 7-9 of October 2013
- Workshop on "**Adaptation to Climate Change: revegetation to recover hydrological cycles as an Ecosystem Service**." (<http://www.circle-era.eu/np4/EcosystemServices.html>) Teruel, Spain. 10 to 12 of September, 2013
- Convene the session "**Adaptation in Europe in practice: how do they do it?**" at the European Climate Change Adaptation Conference (ECCA). ([http://www.circle-era.eu/np4/ECCA\\_InspirationBook.html](http://www.circle-era.eu/np4/ECCA_InspirationBook.html)) Hamburg (Germany). 18-20 March, 2013
- Workshop "**Guidance on dealing with and communicating climate change adaptation in the decision making process**". ([http://www.circle-era.eu/np4/JIUNCERT\\_WS3.html](http://www.circle-era.eu/np4/JIUNCERT_WS3.html)) Lisbon Portugal. 11-12 of February 2013
- Workshop "**Adaptar a EPAL a um Clima em Mudança**" - projecto ADAPTACLIMA-EPAL (<http://siam.fc.ul.pt/adaptaclima-epal>), Lisboa, 5 of March, 2013
- Conference "**Convergir para a Sustentabilidade na Universidade de Lisboa**" (<http://convergirsustentabilidade.fc.ul.pt/>), Lisbon, 10 of May, 2013

## 2012

- Workshop on "**Responses to Extreme water related events**" (<http://www.circle-era.eu/np4/ExtremesAdapt.html>) Madrid, Spain. 22 and 23 November 2012
- [CIRCLE-2] JI UNCERT: **Workshop on Uncertainty and Climate Change Adaptation**. ([http://www.circle-era.eu/np4/WS\\_UNCERT.html](http://www.circle-era.eu/np4/WS_UNCERT.html)) Lisbon, Portugal. 8-9 November, 2012
- Workshop "**Impactos das Alterações Climáticas sobre os Recursos Hídricos e seus efeitos sobre o Sistema EPAL**" - projecto ADAPTACLIMA-EPAL" (<http://siam.fc.ul.pt/adaptaclima-epal>), Lisboa, 2012
- Workshop "**Supporting the development of the EU strategy for adaptation to climate change – Views and Challenges in Eastern Europe**". (<http://www.circle-era.eu/np4/AdaptStrat.html>) Vienna, Austria. 27-28 June 2012



## 2011

- Workshop on **Guidance on dealing with and communicating climate change adaptation in the decision making process**. ([http://www.circle-era.eu/np4/JL\\_WS\\_2.html](http://www.circle-era.eu/np4/JL_WS_2.html)) Lisbon, Portugal. 11-12 June 2011
- Workshop, CIRCLE2 & IS-ENES workshop: "**Bridging Climate Research Data and Needs of the Impact Community**", (<http://www.circle-era.eu/np4/203.html>), Copenhagen (Denmark), 11-12 January 2011.
- Workshop "**Cenários Climáticos e Socioeconómicos na EPAL**" - projecto ADAPTACLIMA-EPAL" (<http://siam.fc.ul.pt/adaptaclima-epal>), Lisboa, 2011
- CIRCLE-MED Final Conference: **Coping with Climate Change in Mediterranean Coastal Areas – the Water Management Challenge**", (<http://www.circle-med.net/index.php?pagename=CircleMedEvents&action=display&itemid=94>), Aix-en-Provence (France), 22-23 March 2011.
- Conference, "**Climate Impacts Research and Responses to a Larger Europe** - 1st CIRCLE-2 Annual Progress Meeting", (<http://www.circle-era.eu/np4/243.html>), Bologna (Italy), 21 June 2011.
- Workshop, "**Areas of interest for the CIRCLE-2 Climate Adaptation Research Agenda**", (<http://www.circle-era.eu/np4/243.html>), Bologna (Italy), 22 June 2011.
- Workshop, "**From National Adaptation Strategies to concrete Adaptation Actions**". (<http://www.circle-era.eu/np4/252.html>), Vienna (Austria), 20-21 October 2011.
- International Course of **Transition Initiatives** promoted by the Transition Network in coordination with the Transition Initiatives in the Lisbon Region. Sintra, Portugal.

## 2010

- CIRCLE-2 SHARE Workshop: **Dealing with uncertainties in Climate Change Impacts, Vulnerabilities and Adaptation research**." Stockholm, Sweden.
- International Conference "Deltas in Times of Climate Change. Convene two part session under the theme "**Deltas in practice – opportunities for research and policy collaboration**". Rotterdam, The Netherlands.
- Seminar serial "**Abril conversas Mil – Seminars on sustainability**". Lisbon, Portugal.

## Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment  
European level (\*)

English  
Spanish / Castilian

Driving licence(s)

A, B

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic User

(\*) [Common European Framework of Reference \(CEF\) level](#)