

Part A. PERSONAL INFORMATION

CV date	08/10/2019
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First and Family name	Emilio Chuvieco Salinero		
NIF	1816929K	Age	59
Researcher numbers	WoS Researcher ID (*)	N-6448-2016	
	SCOPUS Author ID(*)	7004155562	
	Open Researcher and Contributor ID (ORCID) **	0000-0001-5618-4759	

A.1. Current position

University/Institution	University of Alcalá		
Department	Geology, Geography and Environment		
Address and Country	C/ Colegios 2, 28801, Alcalá de Henares, Madrid, Spain		
Phone number	+34 91 8854438	E-mail	emilio.chuvieco@uah.es
Current position	Full Professor	From 1993	08/01/2018
Keywords	Remote Sensing, Climate Change, Wildland fires, Environmental ethics		

A.2. Education

PhD	University	Year
Geography & History	Universidad Complutense de Madrid	1982
Geography	Universidad Complutense de Madrid	1985

A.3. Research Indicators

Number of research periods granted (sexenios): 5 (last one five years ago).

PhD thesis supervised in the last 9 years: 13 (total = 36)

	WoS	Google scholar
Total number of papers	189	377
Total number of citations	7461	18153
Number of papers that cite my work	4647	
Average yearly citations in the last five years	4283	8684
h-index:	53	72

Part B. CV SUMMARY

I am full Professor of Geography at the University of Alcalá, where I coordinate the Master in Geographical Information Technologies and lead the Environmental Remote Sensing group. I was visiting scientist at the Universities of Berkeley, Cambridge, Santa Barbara, Maryland and the Canadian Center for Remote Sensing. I have led and participated in 31 research projects and 22 contracts with administration and private companies. I have 5 positive six-year evaluations and 6 positive five-year teaching evaluations. I am Corresponding member of the Spanish Academy of Sciences since 2004. From 2015 to 2020 I was co-editor-in-chief of Remote Sensing of Environment, the journal with the highest impact factor in remote sensing. In 2000 I received the Research award from the University of Alcalá, in 2016 the Academic award from University of Alcalá for excellence in advising Ph. D. students, and in 2019 the Best paper award from the Spanish Association of Geographers.

I have taught in 13 countries (post graduate level) and I have been keynote speaker in international conferences in 21 countries. I have supervised 36 PhD thesis and 62 MSc dissertations. I have been coordinator of the PhD program on Geographical Information Technologies at the University of Alcalá for more than 25 years.

My main research line focuses on environmental applications of Earth Observation satellites, particularly applied to Wildland fires. Since 2013 I am head of Environmental Ethics Chair, Fundacion Tatiana Perez de Guzmán el Bueno, which enabled me to develop projects in the

field of environmental awareness, with special emphasis on responsible consumption and climate action.

Part C. RELEVANT MERITS

C.1. Publications (including books)

- I have published 29 books and more than 377 scientific papers and book chapters.

Publications list (10 selected from the last 10 years):

1. Alonso-Canas, I., & Chuvieco, E. (2015). Global Burned Area Mapping from ENVISAT-MERIS data Remote Sensing of Environment, 163, 140-152. IF: 6.531.
2. Belenguer-Plomer, M.A., Tanase, M.A., Fernandez-Carrillo, A., & Chuvieco, E. (2019). Burned area detection and mapping using Sentinel-1 backscatter coefficient and thermal anomalies. Remote Sensing of Environment, 233, 111345. IF: 8.218.
3. Chuvieco, E., Martinez, S., Roman, M.V., Hantson, S., & Pettinari, L. (2014). Integration of ecological and socio-economic factors to assess global wildfire vulnerability Global Ecology and Biogeography, 23, 245-258. IF: 7.242
4. Chuvieco, E., Yue, C., Heil, A., Mouillot, F., Alonso-Canas, I., Padilla, M., Pereira, J.M., Oom, D., & Tansey, K. (2016). A new global burned area product for climate assessment of fire impacts. Global Ecology and Biogeography, 25, 619-629. IF: 6.531.
5. Chuvieco, E., Lizundia-Loiola, J., Pettinari, M.L., Ramo, R., Padilla, M., Tansey, K., Mouillot, F., Laurent, P., Storm, T., Heil, A., & Plummer, S. (2018). Generation and analysis of a new global burned area product based on MODIS 250 m reflectance bands and thermal anomalies. Earth Systems Science Data, 10, 2015-2031. IF: 10.951
6. Chuvieco, E., Aguado, I., Salas, J., García, M., Yebra, M., & Oliva, P. (2020). Satellite Remote Sensing Contributions to Wildland Fire Science and Management. Current Forestry Reports, doi: 10.1007/s40725-40020-00116-40725. IF: 3.95.
7. García, M., Popescu, S., Riaño, D., Zhao, K., Neuenschwander, A., Agca, M., & Chuvieco, E. (2012). Characterization of canopy fuels using ICESat/GLAS data. Remote Sensing of Environment, 123, 81-89. IF: 4.574.
8. Hantson, S., Pueyo, S., & Chuvieco, E. (2015). Global fire size distribution is driven by human impact and climate. Global Ecology and Biogeography, 24, 77-86. IF: 7.242.
9. Lizundia-Loiola, J., Otón, G., Ramo, R., & Chuvieco, E. (2020). A spatio-temporal active-fire clustering approach for global burned area mapping at 250 m from MODIS data. Remote Sensing of Environment, 236, 111493. IF: 8.218.
10. Padilla, M., Stehman, S.V., Hantson, S., Oliva, P., Alonso-Canas, I., Bradley, A., Tansey, K., Mota, B., Pereira, J.M., & Chuvieco, E. (2015). Comparing the Accuracies of Remote Sensing Global Burned Area Products using Stratified Random Sampling and Estimation. Remote Sensing of Environment, 160, 114-121. IF: 6.531.

C.2. Research projects and grants

- FIREGLOBE: ANALISIS DE ESCENARIOS DE RIESGO A ESCALA NACIONAL Y GLOBAL. Funding entity: Ministerio de Ciencia y Tecnología, Direc. General de Investigación. Referencia: CGL2008-01083/CLI. From 01/2009 to 12/2011. PI: Emilio Chuvieco Salinero. Budget: 238.370 Euros
- SAFER — Services and Applications For Emergency Response. Funding entity: Comisión de la Unión Europea. Reference: FP7-SPACE-2007-1. From 01/ 2009 to 12/2011. PI: Emilio Chuvieco Salinero (from the University of Alcalá. Project-PI: EADS Astrium (Francia). budget: 101.816 Euros (UAH).
- ECV FIRE Disturbance. Funding entity: European Space Agency. Reference: Nº 4000101779/10/I-NB. From 09/2010 to 08/2013. PI: Emilio Chuvieco Salinero. Budget: 1.800.000 € (global budget)

- ECV FIRE Disturbance Phase 2. Funding entity: European Space Agency, Agencia Espacial Europea. Reference: N° 4000115006/15/I-NB. From 09/ 2015 to 08/ 2018. PI: Emilio Chuvieco Salinero. Budget: 2.152.000 € (global budget)
- SEVERIDAD Y REGENERACION EN GRANDES INCENDIOS FORESTALES MEDIANTE TELEDETECCION Y S.I.G. Funding entity: Ministerio de Economía y Competitividad, Dirección General de Investigación Científica y Técnica. Referencia: CGL2014-57013-C2-1-R. From 01/ 2015 to 12/2017.PI: Emilio Chuvieco Salinero / Inmaculada Aguado. Budget: 94.380,00 €
- Climate Change Initiative (CCI+) Programme - Fire Disturbance Project. Funding entity: European Space Agency, Agencia Espacial Europea. PI: Emilio Chuvieco Salinero. Budget: 500.000 € (global budget)

C.3. Contracts

- Estudio de procesos a aplicar y productos a obtener de las imágenes de satélite de media resolución. Funding entity: Instituto Geográfico Nacional. From 10/ 2008 to 12/2009. PI: Emilio Chuvieco Salinero. Budget: 48.700 Euros.
- Desarrollo de una metodología de prevención y evaluación de riesgo de incendio en el entorno de líneas eléctricas y ferroviarias (VULCANO). Funding entity: Iberdrola, S.A. from 10/2008 to 12/2010. PI: Emilio Chuvieco Salinero. Budget: 90.000 Euros.
- The Changing Earth Science Network Fire Effects Modelling and Mapping (FEMM). Funding entity: European Space Agency, Agencia Espacial Europea. Referencia: 60/10. From 09/ 2010 to 08/2013.PI: Emilio Chuvieco Salinero. Budget: 65.000 Euros..
- Cátedra de ética ambiental. Funding entity: Fundación Tatiana Pérez de Guzmán el Bueno. From 05/2013 05/2019. PI: Emilio Chuvieco Salinero. Budget: 60.000 Euros/año.
- Methodology and software scripts for the operational estimation of Life Fuel Moisture Content at the European level using MODIS and VIIRS imagery. Funding entity: Joint Research Center of the European Union. Referencia: CCR.IES.C390813.XO. from 09/ 2014 to 07/2015. PI: Emilio Chuvieco Salinero / Marta Yebra. Budget: 15.000 Euros
- Burned Area Products for Copernicus Climate Change Services. European Center for Medium Weather Forecast, Ref: 124/2018, ECMWF / COPERNICUS / 2018 / C3S_312b_Lot5_VITO (2017-2020), IP. Emilio Chuvieco (UAH section): 125.000 Euros.

C.4. Institutional Responsibilities (international)

- Special Interest Group on Forest Fires. Organizing entity: European Association of Remote Sensing Laboratories. Topic: Remote sensing and forest fires. Role: coordinator from 1995 to 2009
- Global Observation of Forest Cover (GOFC) Forest Fire Monitoring and Mapping Implementation Team. Organizing entity: FAO – Global Terrestrial Observing System, Canadian Space Agency y NASA. Topic: Global forest fire monitoring using satellite imagery. From 2001 to date
- Global Climate Observing System (GCOS). Steward of the Fire Essential Climate Variable since 2019 to date.

C.5. Other scientific merits

- Member of the evaluation panel for the Environment and climate of the National Plan on Scientific Research and Technology: 2003, 2005 y 2006
- Member of the evaluation panel for the NASA IDS Biomass Burning (S-245) program, invited in July 2013.
- President of the Geographical Information Technologies of the Spanish Geographers Association (2004-2008).
- President of the Spanish Remote Sensing Society (2005-2009).
- Corresponding member of the Spanish Royal Academy of Math, Physics and Environmental Sciences since 2004.

- Co-editor-in-chief of Remote Sensing of Environment, the journal with the highest impact factor in remote sensing from 2015 to 2019.
- Associate editor of Fire Ecology, International Journal of Wildland Fire
- Member of the editorial board of: Fire (MPDI), Geociencias&Geodatos, Diálogo andino.

C.6. Grants and awards

- Extraordinary award of Bachelor Degree. Universidad Complutense de Madrid, 1982.
- Research award from the University of Alcalá, 2000.
- Research award “El Batefuegos de Oro”, Spanish Ministry of Environment for Forest Fire research, 2004.
- Academic award from University of Alcalá for excellence in advising Ph. D. students, 2016.
- Award “Roser Majoral Moliné” in 2019 to the best paper published in international journals, given by the Spanish Association of Geographers.