

Curriculum Vitae

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1. Personal

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2. Education

12/1997 Ph. D. dissertation, UCM.
Title: *Modelo de Predicción de la Precipitación Peninsular en Climas Perturbados.*
Supervisors: Profs. F. Valero and V. Quesada.
1993 Diploma thesis, UCM.
Title: *Detección de señales atmosféricas en series de recorrido del viento de Madrid.*
Supervisor: Prof. F. Valero.
1989 to 1991 Masters degree in Atmospheric Physics, UCM.
1986 to 1989 Grade in Physics, U. Complutense Madrid.

3. Publications

3.1. Manuscripts in review

126. Rojas-Labanda C., J. F. González-Rouco, E. García-Bustamante, J. Navarro, E. E. Lucio-Eceiza, G. Van der Schrier, and F. Kaspar: “Surface wind over Europe: data and variability”. *Submitted* (in revision).

3.2. JCR papers

125. Melo-Aguilar C, J. F. González-Rouco, N. J. Steinert, H. Beltrami, F. J. Cuesta-Valero, A. García-García, F. García-Pereira, E. García-Bustamante, P. J. Roldán-Gómez, and T. Schmid: “Near-surface soil thermal regime and land-air temperature coupling: a case study over Spain”. *Int. J. Climatol.* (in press).
124. Roldán P., J. F. González-Rouco, C. Melo-Aguilar, and J. Smerdon: “The role of internal variability in ITCZ changes over the Last Millennium”. *Geophys. Res. Lett.*, **49**, e2021GL096487. DOI: 10.1029/2021GL096487. 2022.
123. García-García A., F. J. Cuesta-Valero, H. Beltrami, F. González-Rouco, and E. García-Bustamante: “WRF v.3.9 sensitivity to land surface model and horizontal resolution changes over North America”. *Geos. Mod. Dev.*, **15**, 413-428, gmd-15-413-2022. DOI: 10.5194/gmd-15-413-2022. 2022.
122. Steinert N. J., J. F. González-Rouco, P. de Vresse, E. García-Bustamante, S. Hagemann, C. Melo-Aguilar, J. J. Jungclaus, and S. J. Lorenz: “Increasing the depth of a Land Surface Model. Part II: Temperature sensitivity to improved soil thermodynamics and associated permafrost response”. *J. Hidro. Met.*, **22**, 3231-3253, DOI: 10.1175/JHM-D-21-0023.1. 2021.
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120. García-Bustamante, E, J. F. González-Rouco, J. Navarro, E. E. Lucio-Eceiza, and C. Rojas-Labanda: “Expected recurrence of extreme winds in northwestern Sahara and associated uncertainties”. *Energies*, **14(21)**, 6913. DOI: 10.3390/en14216913. 2021.
119. Steinert N. J., J. F. González-Rouco, C. Melo Aguilar, F. García-Pereira, E. García-Bustamante, P. de Vrese, V. Alexeev, J. J. Jungclaus, S. J. Lorenz, and S. Hagemann: “Agreement of analytical and simulation-based estimates of the required land depth in climate models”. *Geophys. Res. Lett.*, **48**, e2021GL094273. DOI: 10.1029/2021GL094273. 2021.

118. García-Bustamante E., J. F. González-Rouco, E. García-Lozano, F. Martínez-Peña and J. Navarro: “ Impact of local and regional climate variability on fungi production from *Pinus sylvestris* forests in Soria, Spain”. *Int. J. Climatol.*, **41**, 5625-35643, DOI: 10.1002/joc.7144. 2021.
117. Cuesta-Valero F. J., A. García-García, H. Beltrami, J. F. González-Rouco and E. García-Bustamante: “ Long-Term Global Ground Heat Flux and Continental Heat Storage from Geothermal Data”. *Clim. Past*, **17**, 451-468, DOI: 10.5194/cp-17-451-2021. 2021.
116. Garrido J. L., J. F. González-Rouco, M. G. Vivanco, and J. Navarro: “ Evaluation of surface temperature regional climate projections over the Iberian Peninsula”. *Clim. Dyn.*, **55**, 3445-3468, DOI: 10.1007/s00382-020-05456-3. 2020.
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DOI: 10.1007/s00382-018-4569-5. 2019.
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101. Lucio-Eceiza E. E., J. F. González-Rouco, J. Navarro, H. Beltrami, and J. Conte: “Quality Control of surface wind observations in North Eastern North America. Part II: Measure-

- ment errors”. *J. Atmosph. and Ocean. Tech.*, **35**, 183-205,
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DOI: 10.1007/s00382-016-3111-x. 2017.
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DOI: 10.1038/NCLIMATE2174. 2014.
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