

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

174. García-Pereira, J. F. González-Rouco, T. Schmid, C. Melo-Aguilar, C. Vegas-Cañas, N. J. Steinert, P. J. Roldán-Gómez, F. J. Cuesta-Valero, A. García-García, H. Beltrami, and P. de Vrese: “ Thermodynamic and hydrological drivers of the subsurface thermal regime in Central Spain ”. *Soil* (in revision).
173. de Vrese P., G. Georgievski, J. F. Gonzalez Rouco, D. Notz, T. Stacke, N. J. Steinert, S. Wilkenskjeld, and V. Brovkin: “ Representation of soil hydrology in permafrost regions may explain large part of inter-model spread in simulated Arctic and subarctic climate ”. *The Cryosphere Discuss.* (in revision). DOI: 10.5194/tc-2022-150.

3.2. JCR papers

172. 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”. *Int. J. Climatol.*, **43**, 134-156, DOI: 10.1002/joc.7739. 2023.
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167. 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.

166. González-Rouco J. F., N. J. Steinert, E. García-Bustamante, S. Hagemann, P. de Vresse, J. J. Jungclauss, S. J. Lorenz, C. Melo-Aguilar, F. García-Pereira, and J. Navarro: “Increasing the depth of a Land Surface Model. Part I: Impacts on the soil thermal regime and energy storage”. *J. Hydro. Met.*, **22**, 3211-3230, DOI: 10.1175/JHM-D-21-0024.1. 2021.
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162. 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.
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149. Zhang H., J. P. Werner, E. García-Bustamante, J. F. González-Rouco, S. Wagner, E. Zorita, K. Fraedrich, J. H. Jungclaus, F. Charpentier Ljungqvist, X. Zhu, E. Xoplaki, F.

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DOI: 10.1175/JTECH-D-16-0204.1. 2018.
146. 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: Measurement errors”. *J. Atmosph. and Ocean. Tech.*, **35**, 183-205,
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- with social and economic impacts in north-western and central Europe”. *Clim. Past*, **12**, 2107-2126,
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DOI: 10.5194/cp-11-1673-2015. 2015.
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DOI: 10.1007/s00382-014-2348-5. 2015.
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- Comparison to Proxy Drought Reconstructions”. *J. Climate*, **26**, 7635-7649, DOI: 10.1175/JCLI-D-12-00603.1. 2013.
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