



## **Diego Fernández Prieto, PhD**

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### **Background**

Diego Fernández Prieto (1970, Vigo, Spain), received the B.S Degree in Physics from the University of Santiago de Compostela, Spain, in 1994. In 1994 and 1996, he was with the "Istituto per la Matematica Applicata" (I.M.A) of the National Research Council (C.N.R) of Italy. In 1997, he received the Master Degree in Business Administration (MBA) from the University of Deusto, Spain and the University of Kent, United Kingdom. In 2001 he received the Ph.D. Degree in Electronic Engineering and Computer Science by the Department of Biophysical and Electronic Engineering of the University of Genoa, Italy. Since 2000, he is with the European Space Agency, where he has covered different positions always in the areas of Earth Observation (EO) applications development and science. At present he is the Head of the Research and Development Section in the EO Science, Applications and Climate Department. He is responsible for the EO Scientific Data Exploitation programme aimed at advancing EO research and Earth system science.

### **Recent projects**

- Arctic+ Fresh Water Fluxes
- WACMOS-MED
- WACMOS-IRRIGATION
- SMOS+ Rainfall
- SEOM-Global Land Cover
- SEOM-Multitemporal

## **Selected publications**

### **Most recent...**

Román-Cascón, C., Pellarin, T., Gibon, F., Brocca, L., Cosme, E., Crow, W., Fernández-Prieto, D., Kerr, Y.H., Massari, C.  
Correcting satellite-based precipitation products through SMOS soil moisture data assimilation in two land-surface models of different complexity: API and SURFEX

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027879380&doi=10.1016%2fj.rse.2017.08.022&partnerID=40&md5=5675077d74dca6a36bf9b927fa4404d6>

DOI: 10.1016/j.rse.2017.08.022

Martens, B., Miralles, D.G., Lievens, H., Van Der Schalie, R., De Jeu, R.A.M., Fernández-Prieto, D., Beck, H.E., Dorigo, W.A., Verhoest, N.E.C.

GLEAM v3: Satellite-based land evaporation and root-zone soil moisture

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019385091&doi=10.5194%2fgmd-10-1903-2017&partnerID=40&md5=c084dc34700a5c4a8a19e5ee75469314>

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ACCESS TYPE: Open Access

Martens, B., Miralles, D., Lievens, H., Fernández-Prieto, D., Verhoest, N.E.C.  
Improving terrestrial evaporation estimates over continental Australia through assimilation of SMOS soil moisture

(2016) International Journal of Applied Earth Observation and Geoinformation, 48, pp. 146-162.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015844468&doi=10.1016%2fj.jag.2015.09.012&partnerID=40&md5=acfc8cd25ac8697f03d7eee343672ace>

DOI: 10.1016/j.jag.2015.09.012

Surdu, C.M., Duguay, C.R., Prieto, D.F.

Evidence of recent changes in the ice regime of lakes in the Canadian High Arctic from spaceborne satellite observations

(2016) Cryosphere, 10 (3), pp. 941-960.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969670061&doi=10.5194%2ftc-10-941->

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ACCESS TYPE: Open Access

Michel, D., Jiménez, C., Miralles, D.G., Jung, M., Hirschi, M., Ershadi, A., Martens, B., McCabe, M.F., Fisher, J.B., Mu, Q., Seneviratne, S.I., Wood, E.F., Fernández-Prieto, D.

The WACMOS-ET project - Part 1: Tower-scale evaluation of four remote-sensing-based evapotranspiration algorithms

(2016) Hydrology and Earth System Sciences, 20 (2), pp. 803-822.

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### **Most cited...**

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Automatic analysis of the difference image for unsupervised change detection

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sensing image classification

(1999) IEEE Transactions on Geoscience and Remote Sensing, 37 (3 I), pp. 1350-1359. Cited 158 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032638011&doi=10.1109%2f36.763299&partnerID=40&md5=5463cd18c098581e71cf96ca4e91ad59>

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Dorigo, W., De Jeu, R., Chung, D., Parinussa, R., Liu, Y., Wagner, W., Fernández-Prieto, D.

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