

Javier González Corripio

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Born in Seville, Spain, 15 January 1965.

Education

PhD University of Edinburgh, 1999 - 2002.

Modelling the energy balance of high altitude glacierised basins in the Central Andes
Carnegie scholarship

BSc (Honours) in Geography, First Class. University of Edinburgh, 1995 - 1999.

Walton Memorial & Royal Geographical Society Prize for the best dissertation in Physical Geography submitted to a Scottish University, 1999. Plus 4 other prizes.

1st year **Physics** at the University of Granada, Spain

Languages

Spanish: native.

English: Cambridge Proficiency in English plus eight years residence and study in the UK and 8 years working in English abroad.

Good French oral communication and reading comprehension. One year residence in France.

Basic German and Italian

Relevant professional experience

2009-2010 developer and translation of www.meteoexploration.com pages

Researcher at the University of Innsbruck, Faculty of Geo- and Atmospheric Sciences Lise Meitner Grant, 2007 - 2009. Fieldwork in the Cordillera Blanca.

Institute of Environmental Engineering, Water Resources Management Group, Swiss Federal Institute of Technology. ETH, Zurich, 2003 - 2006. Fieldwork on Alpine glaciers.

One year scientific research visitor at the Centre for Snow Research, Météo France, working on modelling and monitoring snow redistribution by wind, remote sensing of the snow cover and improvements of radiative transfer within the snow model crocus-safran. 2002-2003.

Work in cooperation with the French IRD and Laboratoire de Glaciologie for glacier monitoring.

Work in cooperation with the Laboratorio de Glaciología and Centro de Estudios Científicos (CECS, Chile) on Ice volcano interactions in the Andes of Southern Chile, 2005-2007. Fieldwork in Patagonia.

Teaching experience at Master level at the ETH and in cooperation with the EPFL Lausanne 2005, 2006, 2008. Remote sensing of snow, snow hydrology, mountain meteorology.

Guest editor HESS, Hydrological and Earth System Sciences, 8(6), 2004

Grants

Carnegie Scholarship, 1999 - 2002.

Swiss National Science Foundation Grant 2004 – 2006

Lise Meitner Grant, Austrian FWF 2007-2009

Other

Computer literate: Wordfast, Unix shell scripting, IDL, Fortran, Grads, Ferret, ArcInfo, html, php, mysql. OS: Mac, Unix, Linux, windows

Dedicated photographer (see: <http://web.mac.com/jgcorripio/>) and keen telemarker.

Translated work

Edinburgh Guide <http://tinyurl.com/yd8hvju>

Snow glossary <http://unesdoc.unesco.org/images/0018/001864/186462e.pdf> (see page iv for credits)

Web pages at www.meteoexploration.com This is a non-literal translation according to web developers guidelines.

Other Publications

Book chapters & proceedings

Corripio, J. G. and Purves, R. S.: 2004, Surface Energy Balance of High Altitude Glaciers in the Central Andes: the Effect of Snow Penitentes, in C. de Jong, D. Collins, and R. Ranzi (eds), *Climate and Hydrology in Mountain Areas*, Wiley & Sons, London. chapter 3, pp. 15–27. [pdf](#)

Corripio, J. G., Purves, R. S. and Rivera, A.: 2007, Modeling climate-change impacts on mountain glaciers and water resources in the Central Dry Andes, in B. Orlove, E. Wiegandt and B. Luckman (eds), *Darkening Peaks: Glacier Retreat, Science, and Society*, University of California Press, Berkeley, pp. 126–135. [pdf](#)

Journal articles

M. Dumont, Y. Arnaud, D. Six and J.G. Corripio.: 2009, Retrieval of glacier surface albedo using terrestrial photography. Détermination de l'albédo de surface des glaciers à partir de photographies terrestres. *La Houille Blanche*, 2, 102-108

Rivera, A., **Corripio, J. G.**, Brock, B., Clavero, J. and Wendt, J.: 2008, Monitoring ice capped active Volcán Villarrica in Southern Chile by means of terrestrial photography combined with automatic weather stations and GPS, *Journal of Glaciology*. 54(88), 920-930. [pdf](#)

Dadic, R., **Corripio, J. G.** and Burlando, P.: 2008, Mass-balance estimates for Haut Glacier d'Arolla, Switzerland, from 2000 to 2006 using DEMs and distributed mass-balance modeling, *Annals of Glaciology* 49, 22–26. [pdf](#)

Pellicciotti, F., Helbing, J., Rivera, A., Favier, V., **Corripio, J.**, Araos, J., Sicart, J.-E. and Carenzo, M.: 2008, A study of the energy balance and melt regime on juncal norte glacier, semi-arid andes of central chile, using melt models of different complexity, *Hydrological Processes*. 22(19): 3980. [pdf](#)

Durand, Y, Guyomarc'h, G, Mérindol, L. **Corripio, J.G.** 2005 Improvement of a numerical snow drift model and field validation. *Cold Regions Science and Technology* 43 (2005) 93– 103. [pdf](#)

Corripio, J. G.: 2004, Snow surface albedo estimation using terrestrial photography, *International Journal of Remote Sensing* . 25(24), 5705–5729. [pdf](#)

Corripio, J. G., Durand, Y., Guyomarc'h, G., Mérindol, L., Lecorps, D. and Puglièse, P: 2004, Land-based remote sensing of snow for the validation of a snow transport model, *Cold Region Science and Technology*. 39(2-3), 93–104. [pdf](#)

Durand, Y., Guyomarc'h, G., Mérindol, L. and **Corripio, J. G.**: 2004, 2D numerical modelling of surface wind velocity and associated snowdrift effects over complex mountainous orography, *Annals of Glaciology*, 38, 59-70.

Strasser, U., **Corripio, J.**, Pellicciotti, F., Burlando, P., Brock, B. and Funk, M.: 2004, Spatial and temporal variability of meteorological variables at Haut Glacier d'Arolla (Switzerland) during the ablation season 2001: Measurements and simulations, *Journal of Geophysical Research-Atmospheres* 109(D3), D03103. [pdf](#)

Corripio, J. G.: 2003, Vectorial algebra algorithms for calculating terrain parameters from DEMs and the position of the sun for solar radiation modelling in mountainous terrain, *International Journal of Geographical Information Science* 17(1), 1–23. [pdf](#)

Corripio, J. G.: 2003, *Modelling the energy balance of high altitude glacierised basins in the Central Andes*. PhD thesis. University of Edinburgh, 2003. [pdf](#)

Guyomarc'h, G. and **Corripio, J.**: 2003, Suivi des zones de neige déplacées par le vent en haute montagne, *Neige et avalanche* (102). June 2003. ANENA, Grenoble.

Corripio, J. G.: 2001, Montañas de Escocia, in K. Betelu (ed.), *Grandes Montañas de Europa*, Desnivel, Madrid, chapter 7. (Mountains of Scotland in Great Mountains of Europe)

Several articles in Desnivel mountain magazine, Fortuna Sports etc.