

List of Papers

Dr Marina Baldi

Papers published on peer-review journals

Dalu, G.A.; **Baldi**, M., 2009: Steady state dynamics of a density current in an f-plane nonlinear shallow water model. *Journal of Atmospheric Sciences* - Published Online Sep 14 2009 DOI: 10.1175/2009JAS3206.1

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Steyn D.G., M. **Baldi**, R.M. Hoff, 1999: The detection of mixed layer depth and entrainment zone thickness from lidar backscatter profiles. *Jour. of Atmos. and Ocean Technology*, 16, 953-959.

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Baldi M., G.A. Dalu, M. Gaetani: Climate seasonal anomalies and jetstream dynamics in the Mediterranean. *Submitted to Global and Planetary Change*.

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Baldi M., G.A. Dalu: Trends and mechanisms of the wintertime climatology of the Mediterranean. *In preparation for Global and Planetary Change.*

Pasqui M., M. **Baldi**, F. Guarnieri: Jet Streak summer variability over the Mediterranean Sea and its relationship with air temperature anomaly. *In preparation for Global and Planetary Change.*

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Dalu G., **M. Baldi**, 2007: Effetto delle variazioni dell'uso e copertura del suolo sul clima a scala regionale. In: "*Clima e cambiamenti climatici: le attività di ricerca del CNR*", © 2007, Consiglio Nazionale delle Ricerche

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Vaccari F.P., **M. Baldi**, A. Crisci, G. Maracchi, 2006: Analisi delle tendenze climatiche nel Tirreno centrale. In: Il Sistema ambientale della Tenuta Presidenziale di Castelporziano. VV3. Accademia delle Scienze detta dei Quaranta.

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- 2005: Climate as a Resource – WMO Technical Conference, Beijing – China:
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- 2003: Forum Verdi, Roma, Luglio 2003
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- 2003: EGU, European Geosciences Union General Assembly, Nice, April 2003
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- 2000: RAMS Users Workshop, New Jersey USA
Uno, I; **Baldi, M:** Application of RAMS 4.28 to transboundary air pollution studies in East Asia by Pentium Linux Cluster Performance, Tips and Problems
- 1999: EGS General Assembly, The Hague (Neth)
Baldi, M., Cesari, R., Tampieri, F., Tranquillini, M. and Zardi, D.: A study of the valley wind known as Ora del Garda
- 1999: VIII Workshop on Italian Research on Antarctic Atmosphere, SIF, Bologna, Italy.
Baldi, M; Dalu, GA: Climatic atmospheric outflow at the rim of the Antarctic Continent.
- 1998: Workshop: Integrazione di metodologie geofisiche e geochimiche per la vulcanologia e la tettonica March 98, Roma – Italy
Baldi, M: Scale Meteorologiche e Micrometeorologia
- 1997: Workshop sull' Atmosfera Antartica, Bologna:
- 1997: Airborne Polar Experiment Meeting, Cambridge, UK (Giugno 97) & Schliersee, D (Settembre 1997):
Baldi, M; Dalu, GA; Sbrano, L: Lee Waves formation and propagation in Polar Regions - Modelling
- 1997: Societa' Italiana di Fisica (SIF), Como
Baldi, M; Colacino, M; Dalu, GA; Piervitali, E; Ye, Z: Simulazioni a mesoscala su regioni a topografia complessa: applicazioni alla Calabria.
Dalu, GA; **Baldi, M:** A first-order, variable-depth analytical model of the Antarctic katabatic flow.
Baldi, M; Sbrano, L; Dalu, GA: Penetration of mountain leewaves.
- 1997: Mesoscale Alpine Programme Meeting, Belgirate - Italy
Baldi, M; Sbrano, L, Dalu, GA: Penetration of mountain lee waves.
Dalu, GA; **Baldi, M:** Thermally forced mesoscale circulations, TFMCs, over steep orography.
- 1997: Airborne Polar Experiment (APE) Meeting, Cambridge – UK
Baldi, M; Sbrano, L, Dalu, GA: Gravity waves in the lee of the Scandinavian Alps.
- 1996: ASAAQ Conference, Seattle – US Modelling photochemical pollution in the Lower Fraser Valley, B.C.
1996: CMOS Conference, Toronto – Canada

- Steyn, DG; **Baldi**, M; *et al.*: Observation and modelling of boundary layer depth in a region with complex terrain and coastline.
- 1995: EMEP Workshop on the control of photochemical oxidants over Europe, St Gallen - Switzerland. Integrated assessment model for tropospheric ozone
- 1995: IAMAP Conference, Boulder - Colorado.
 Dalu, GA; **Baldi**, M; Pielke, RA Sr: Heat and momentum fluxes induced by thermal inhomogeneities.
- 1995: Acid Reign 95?, Goteborg - Sweden. Integrated assessment of emission control scenarios, including the impact of tropospheric ozone.
- 1995: European Science Foundation Workshop Transport processes in the atmosphere and the ocean (TAO Project), Lerici - Italy.
 Dalu, GA; **Baldi**, M: Mesoscale features in the atmosphere and the ocean.
- 1995: NATO-ASI, Puerto la Cruz - Tenerife, Spain.
 Dalu, GA; **Baldi**, M: An analytical approach to the upwelling induced by horizontal wind stress variations in the open ocean
- 1994: EGS, European Geophysical Society. Grenoble, France.
 Dalu, GA; **Baldi**, M: Fluxes over complex terrain: analytical evaluation.
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- 1993: EGS, European Geophysical Society. Wiesbaden, FRG.
Baldi, M; Dalu, GA; Nardone, C; Sbrano, L: Climatic atmospheric outflow at the rim of the Antarctic continent. Nonlinear approach.
- 1992: 7th EUMAC Workshop, Porto Carras, Greece. Analytic approach to atmospheric flow and fluxes over complex terrain.
- 1992: EGS, European Geophysical Society. Edinburgh, UK.
Baldi, M; Dalu, GA: Vertical velocity generated by hilly terrain and stress inhomogeneities and related heat vertical and momentum fluxes, linear theory.
 Dalu GA; De Gregorio S; **Baldi** M: Nonlinear interaction between biosphere and environment, behavior of a simple bioclimatic model of the earth climate.
- 1992: AMS, 6th Conference on Satellite Meteorology and Oceanography, January 1992, Atlanta GA, USA.
 Dalu, GA; **Baldi**, M; Purdom JFW; Dills PN: Winter ocean vortex off the Pacific coast of Mexico, satellite observed behavior and theoretical interpretation.
- 1991: GNFAO, CNR, Naple, Italy. Coastal and open ocean upwelling induced by wind stress.
- 1991: EGS, European Geophysical Society. Wiesbaden. Heat and momentum fluxes generated by heated hilly rough terrain.
- 1990 EUROMEC, European Mechanical Society. Bologna, Italy.
 Dalu, GA; **Baldi**, M: Heat fluxes generated by terrain thermal inhomogeneities.
 Dalu, GA; **Baldi**, M: Vertical velocities induced by surface roughness.
- 1990: EGS, European Geophysical Society. Copenhagen, Denmark.
 Dalu, GA; **Baldi**, M: Impact of terrain thermal inhomogeneities on mesoscale atmospheric flow: Theory of Subgrid-Scale Parameterization.
 Upwelling induced by horizontal wind stress variations in the open ocean.
- 1990: AGU, American Geophysical Union, New Orleans. Deep and shallow convection in the ocean.
- 1989: EGS, European Geophysical Society. Barcelona, Spain.
 Dalu, GA; **Baldi**, M: Vertical Velocity Generated over non-homogeneous rough terrain, theory and subgrid-scale parameterization.
 Dalu, GA; **Baldi**, M: An analytical study of the frictional response of coastal currents and of upwelling to wind stress.
- 1987: AIRP-SFRP Conference, Castelgandolfo, Italy.
 La radioattività dell'aria in Italia a seguito dell'incidente di Chernobyl.

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