

# Curriculum Vitae

Guy CANIAUX, Date of birth: 18 September 1954 (Lyon, France), Citizenship: French

## Address

Centre National de Recherches Météorologiques (CNRM)  
Groupe Météorologique de Grande Echelle et Climat (GMGEC)  
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## Academic formation

Diplôme d'Ingénieur des Travaux de la Météorologie from the French Ecole Nationale de la Météorologie (ENM) in 1977 ; Diplôme d'Ingénieur Civil de la Météorologie from the French Ecole Nationale de la Météorologie (ENM) in 1987 ; Philosophy Doctorate (PhD) thesis, University Paul Sabatier (Toulouse, France), Specialty : Atmospheric Physics in 1993

## Research Experiences

1990-1995 : Research scientist in the field of air-sea interactions in Toulouse (France)  
1995-2012 : Leader of the Air-sea exchanges modeling group (MEMO team) in the French Centre National de Recherches Météorologiques (CNRM), Toulouse (France)

## Speciality

Air-sea interactions, air-sea fluxes, oceanic mixed layer, numerical modeling of upper oceanic layers

## Scientific activities

**Publications:** author and co-author of 69 peer-review papers in international journals (*Journal of Geophysical Research* : 25 ; *Quarterly Journal of the Royal Meteorological Society* : 4 ; *Atmospheric Sciences Letters* : 2 ; *Global Biogeochemical Cycles* : 1 ; *Climate Dynamics* : 3 ; *Journal of Physical Oceanography* : 3 ; *Geophysical Research Letters* : 2 ; *Monthly Weather Review* : 2 ; *Journal of Atmospheric Sciences* : 2 ; *Dynamics of Ocean and Atmosphere* : 2 ; *Boundary Layer Meteorology* : 1 ; *Journal of Climate* : 1 ; *Deep Sea Research* : 2 ; *Ocean Dynamics* : 4 ; *Biogeochemistry* : 1 ; *Journal of Marine Systems* : 2 ; *Journal of Oceanography and Data* : 1 ; *Tellus* : 1 ; *Comptes Rendus de l'Académie des Sciences* : 1 ; *La Météorologie* : 4 ; *Revista Brasileira de Meteorologia* : 1 ; *Annales Geophysicae* : 3 ; *American Journal of Climate Change* : 1)

**Communications:** author and co-author of 36 extended abstracts in international meetings, of 26 extended abstracts in French meetings, of 230 abstracts in international meetings and 114 abstracts in French meetings..

**Student supervising:** 12 PhD thesis, 2 Postdoctoral fellows and 8 Msc students, students in the French Ecole Nationale de la Météorologie (ENM) and in the Ecole Africaine de la Météorologie et de l'Aviation Civile (EAMAC, Niamey, Niger) and students in scientific high-schools (INSA, Ecole Navale). Tutor of HDR (H. Giordani). 12 participations in PhD juries.

**Major oceanic cruises:** SEMAPHORE (1993) ; CATCH/FASTEX (1997) ; EQUALANT99 (1999) ; POMME (2001) ; AMMA/EGEE3 (2006).

**Research contacts:** Member of scientific committees for the following experiments : CATCH/FASTEX (1997), POMME (2001), AMMA/EGEE3 (2006); Member of the French Comité Consultatif de la Mousson Africaine (CCMA) since 2004; Member of the French Commission Océan-Physique-Chimie-Biologie (OPCB) at FREMER (2001-2008) ; Member of the French Commission GTS ATALANTE at IFREMER (2005-2008) ; Member of the French Comité de Mesures de Flux en Mer (since 2003) ; Member of the European Geophysical Society (EGS) and of the European Geophysical Union (EGU); Member of the American Geophysical Union (AGU).

**Reviewers of peer-reviewed journals:** *Geophysical Research Letters, Ocean Dynamics, Journal of Geophysical Research, Journal of Climate, Climate Dynamics, Journal of Physical Oceanography, Annales Geophysicae, Remote Sensing of Environment, International Journal of Climatology, Bulletin of the American Meteorological Society, Ocean Modelling, Télédétection, La Météorologie, Comptes Rendus de l'Académie des Sciences* (2 to 4 per year). Reviews of several proposals for the following programs or organisms: CLIVAR, National Oceanic and Atmospheric Administration (NOAA), PATOM of the French Institut National des Sciences de l'Univers (INSU), OPCB commission at IFREMER (1 to 3 per year); for the Deutsche Forschungsgemeinschaft DFG.