



## Open Archive TOULOUSE Archive Ouverte (OATAO)

OATAO is an open access repository that collects the work of Toulouse researchers and makes it freely available over the web where possible.

This is an author-deposited version published in : <http://oatao.univ-toulouse.fr/>  
Eprints ID : 10011

**To link to this article :** DOI:10.1016/j.gloplacha.2010.07.001  
**URL :** <http://dx.doi.org/10.1016/j.gloplacha.2010.07.001>

**To cite this version :** Probst, Jean-Luc and Ortlieb, Luc and Faure-Denard, Liliane *Quaternary global change: review and issues(Special issue in memory of Hugues Faure)*. (2010) Global and Planetary Change, vol. 72 (n°4). p. 247. ISSN 0921-8181

Any correspondance concerning this service should be sent to the repository administrator: [staff-oatao@listes-diff.inp-toulouse.fr](mailto:staff-oatao@listes-diff.inp-toulouse.fr)

# Quaternary global change: Review and issues

## Special issue in memory of Hugues Faure

Jean-Luc Probst <sup>a,b,\*</sup>, Luc Ortlieb <sup>c,d,1</sup>, Liliane Faure-Denard <sup>e,f,g,2</sup>

<sup>a</sup> University of Toulouse; INPT, UPS; Laboratoire d'Ecologie Fonctionnelle (EcoLab); ENSAT, Avenue de l'Agrobiopole, Auzetville Tolosane, 31326 Castanet Tolosan Cedex, France

<sup>b</sup> CNRS; EcoLab; ENSAT, Avenue de l'Agrobiopole, Auzetville Tolosane, 31326 Castanet Tolosan Cedex, France

<sup>c</sup> Université Pierre et Marie Curie; Institut Pierre-Simon Laplace; Laboratoire d'Océanographie et du Climat: Expérimentation et Approches Numériques (OCEAN); Case 100, 4 Place Jussieu, 75252 Paris Cedex 05, France

<sup>d</sup> IRD; Centre France Nord, 32 av. Henri-Varagnat, 93143 Bondy Cedex, France

<sup>e</sup> Université d'Aix-Marseille II; Laboratoire de Microbiologie, Géochimie et Ecologie Marines (LMGEM); Campus de Luminy, Case 901, 13288 Marseille Cedex 9, France

<sup>f</sup> CNRS; LMGEM; Campus de Luminy, Case 901, 13288 Marseille Cedex 9, France

<sup>g</sup> Jardin des Plantes-Villa 44; 34 Bis chemin Joseph Aiguier, 13009 Marseille, France

### Introduction

The French National Committee of INQUA, the IGCP Project n° 459 (Carbon Cycle and Hydrology in the Paleo Terrestrial Environments), the CNRS (Centre National de la Recherche Scientifique), the CCGM (Commission de la Carte Géologique du Monde), the IRD (Institut de Recherche pour le Développement), and the BRGM (Bureau de Recherches Géologiques et Minières) have organized in June 2004 a special International Colloquium dedicated to the memory of Hugues Faure who passed away in May 2003. It was the occasion to make a review and to emphasize new results and issues on the different topics initiated by Hugues and his collaborators. It was also a chance for all his colleagues and friends to remember a rare human being and a great scientist, passionately involved in the observation and understanding of the planet, which he called "the real world", and assuming his destiny up to the end.

The Scientific committee of this colloquium has decided to publish a special issue of *Global and Planetary Change* with some selected papers presented during this colloquium.

This GPC special issue includes some of the papers presented at this colloquium and some invited papers from scientific personalities who wished to contribute to this special volume. The general theme of the special publication in honour to Hugues Faure is the Quaternary and the Global Changes. It will focus on the global cycles and Quaternary climate (3 papers), sea-level fluctuations, tectonics and climate variations (3 papers), climate changes in terrestrial records (9 papers), and man, environment and global change (4 papers). A total of 20 contributions, including a foreword on Hugues Faure, are proposed by the participants of this colloquium.

\* Corresponding author. University of Toulouse; INPT, UPS; Laboratoire d'Ecologie Fonctionnelle (EcoLab); ENSAT, Avenue de l'Agrobiopole, Auzetville Tolosane, 31326 Castanet Tolosan Cedex, France. Tel.: +33 5 34 32 39 49; fax: +33 5 34 32 39 00.

E-mail addresses: [jean-luc.probst@ensat.fr](mailto:jean-luc.probst@ensat.fr) (J.-L. Probst), [Luc.Ortlieb@ird.fr](mailto:Luc.Ortlieb@ird.fr), [Luc.Ortlieb@locean-ipsl.upmc.fr](mailto:Luc.Ortlieb@locean-ipsl.upmc.fr) (L. Ortlieb), [faure.liliane@numericable.fr](mailto:faure.liliane@numericable.fr) (L. Faure-Denard).

<sup>1</sup> Tel.: +33 1 48 02 55 92; fax: +33 1 48 02 55 54.

<sup>2</sup> Tel.: +33 4 91 75 58 55.