

## Vincent MONTADE

Birth date 21/01/1985 – French nationality  
Department of Palynology and Climate Dynamics  
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### RESEARCH INTERESTS

Palaeoecology, palynology, vegetation dynamic,  
palaeoclimate, climate mechanism,  
Quaternary, tropics

### ACADEMIC QUALIFICATION

- 2011** PhD with distinction, *Laboratoire des Sciences du Climat et de l'Environnement* (LSCE), joint supervision between the *Université Paris-Sud 11* and the *Universidad Austral de Chile* (UACH). Supervisors: Nathalie Combourieu-Nebout (LSCE) and Sandor Mulsow (UACH)
- 2008** Master degree with honours in systematic evolution and palaeontology, *Université Paris VI* and *Muséum National d'Histoire Naturelle*
- 2006** Licence (natural sciences), *Université de Montpellier*

### SCIENTIFIC EMPLOYMENT HISTORY

- 03/16** Post-doctorat, Department of Palynology and Climate Dynamics, Georg-August-Universität Göttingen, Germany
- Subject** Late Quaternary environmental dynamics (vegetation, biodiversity, climate, fire and human impact) on Mt. Kilimanjaro - comparing the wet northern with the dry southern slopes
- 09/13 to 08/15** Post-doctorat, *Centre de Bio-Archéologie et d'Ecologie* (CBAE-24 months), Montpellier, France
- Subject** Characterization of forest physiognomies in tropical mountains of Northeastern Brazil with their respective environmental parameters and response mechanisms to past climatic variability
- 07/12 to 06/13** Post-doctorat, *Fundação Cearense de Meteorologia e Recursos Hídricos* and *Universidade Federal do Ceará* (FUNCEME-12 months), Fortaleza, Brazil
- Subject** Late Quaternary climate variability and related responses of the biodiversity in Northeast Brazil
- 10/08 to 12/11** PhD thesis, *Laboratoire des Sciences du Climat et de l'Environnement* (LSCE-38 months), Gif-sur-Yvette, France
- Subject** Vegetation and climate of Chilean Patagonia during the last 20, 000 years from marine pollen data

### GRANTS, PRIZES AND FELLOWSHIPS

- 2015** ICDP grant for training course at the Lake Ohrid (Skopje, Macedonia)
- 2014** Postdoctoral fellowship (ATER) of Ecole Pratique des Hautes Etudes at CBAE
- 2014** AFEQ grant for congress (*Association Française pour l'Étude du Quaternaire*)
- 2013** Postdoctoral fellowship (ATER) of Ecole Pratique des Hautes Etudes at CBAE
- 2013** Thesis Prize of *Association des Palynologues de Langue Française* (APLF)
- 2012** Brazilian postdoctoral fellowship (FUNCAP) at FUNCEME
- 2011** Prize of best oral communication (22<sup>ème</sup> L'APLF)
- 2009** EGIDE grant for international joint supervision of PhD between France and Chile
- 2008** Ministerial fellowship for PhD thesis
- 2009-2014** Five APLF grants for congress

## PARTICIPATION TO SCIENTIFIC PROJECTS

- 2016-2017** “Kilimanjaro ecosystems under global change: Linking biodiversity, biotic interactions and biogeochemical ecosystem processes” – DFG – PI: Andreas Hemp
- 2013-2015** “*Estudos palinológicos, paleoclimáticos e ecológicos em refúgios florestais úmidos no Estado do Ceará*” – FUNCAP – PI: Christiano F Verola – Institutions: UFC, IRD, UM
- 2010-2015** ELPASO “El Niño: lessons from the past using simulations and observations” – French National Research Agency ANR – PI: Pascale Braconnot – Institutions: LSCE, LOCEAN, EPOC, ISEM, CEREGE
- 2011-2013** PACHIDERME “*Pacifique-CHili, Dynamique du climat sub-antarctique: évolution des glaciers et de la circulation océanique intermédiaire et de surface*” – INSU-LEFE – PI: Catherine Kissel – Institutions: LSCE, IDES, EPOC

## GEOGRAPHIC MOBILITY

- 2012-2013** Post-doctorat, Brazil, Fortaleza (1 year)
- 2009-2010** PhD Thesis in join supervision France-Chili, Valdivia (1 semester)

## FIELDWORKS

- 2013-2014** Sediment core drilling and sampling of surface samples (Ceará Northeast Brazil)
- 2009-2010** Sampling of marine and continental surface samples (southern Chile)

## TEACHINGS (132h)

Discipline	Years	Type	Level	Hours	Univ.
Palaeontology	2008-2011	Practi. work/tutorial	L1	25	UVSQ
Palaeoclimatology	2008-2011	Tutorial	L1	5	UVSQ
Palynology & palaeoclimatology	2008-2011	Practi. work	L3	5	UVSQ
Palynology & palaeoclimatology	2010-2011	Practi. work	M1	6	UPMC
Biodiversity and palaeoecology	2013-2015	Class/tutorial	M1/M2	36	EPHE
Statistics	2014-2015	Class/tutorial	M1	12	EPHE
Biodiversity and palaeoecology	2014-2015	Class	M2	3	UM
Botanic	2014-2015	Practi. work	L2	36	UM
Paleoenv. Quaternary of South America	2015-2016	Class	M1	4	MNHN

## STUDENT SUPERVISION

- 2013-2014** Contribution in supervision of a Master student (Gregory Blanchard) on the characterization of responses from the Atlantic Forest, (6 months at ISEM)
- 2012-2013** Supervision of an undergraduate Brazilian student (J Gabriel Neto) to initiation to palynology and tropical palaeoclimatology (6 months at FUNCEME, alternating with his academic training)

## PUBLICATION IN PEER-REVIEWED JOURNAL

### Synthesis:

	Publication		Conference		
	Submitted or in prep.	Peer-reviewed journal	Invited	With publication	Without publication
	1	2016-2 2015-2 2014-1 2013-1 2012-1 2011-1	2012-1	2011-1	2015-2 2014-4 2012-3 2011-2 2010-4 2009-3
SUM	1	8	1*	1*	18 with 12*

\*international conferences

### In preparation or submitted:

**Montade V**, Jeferson I, Bremond L, Favier C, Costa I R, Ledru M-P, Paradis L, Martins E S P R, Burte J, Magalhães e Silva F H, Verola C F (**under review**) Pollen based tropical mountain forest physiognomies in northeastern Brazil, *Review of Palynology and Palaeobotany*

### Published or in press:

Gambin B, Andrieu-Ponel V, Médail F, Marriner N, Peyron O, **Montade V**, Gambin T, Morhange C, Belkacem D, Djamali M (**2016**) 7300 years of vegetation history and climate for NW Malta: a Holocene perspective, *Climate of the Past*, 12, 273-297

Ledru M-P, **Montade V**, Blanchard G, Hely C (**2016**) Long-term spatial changes in the distribution of the Brazilian Atlantic Forest, *Biotropica*, 48: 159-169

**Montade V**, Kageyama M, Combourieu-Nebout N, Ledru M-P, Michel E, Siani G, Kissel C (**2015**) Teleconnection between the Intertropical Convergence Zone and southern westerly winds throughout the last deglaciation, *Geology*, 43: 735-738

Combourieu-Nebout N, Bertini A, Russo-Ermolli E, Peyron O, Klotz S, **Montade V**, Fauquette S, Allen J, Fusco F, Goring S, Huntley B, Joannin S, Lebreton V, Magri D, Martinetto E, Orain R, Sadori L (**2015**) Climate Changes in central Mediterranean and Italian vegetation dynamics since the Pliocene, *Review of Palaeobotany and Palynology*, 218: 127-147

**Montade V**, Ledru M-P, Burte J, Martins E S P R, Verola C F, Costa I R, Magalhães e Silva F H (**2014**) Stability of a Neotropical microrefugium during climatic instability, *Journal of Biogeography*, 41: 1215-1226

**Montade V**, Combourieu-Nebout N, Kissel C, Haberle S G, Siani G, Michel E (**2013**) Vegetation and climate changes during the last 22,000 yr from a marine core near Taitao Peninsula, southern Chile, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 369: 335-348

**Montade V**, Combourieu-Nebout N, Chapron E, Abarzúa A M, Mulsow S, Debret M, Foucher A, Desmet M, Winiarski T, Kissel C (**2012**) Regional vegetation and climate changes during the last 13 kyr from marine pollen record in Seno Reloncavi, southern Chile, *Review of Palaeobotany and Palynology*, 181: 11-21

**Montade V**, Combourieu-Nebout N, Kissel C, Mulsow S (**2011**) Pollen distribution in marine surface sediments from Chilean Patagonia, *Marine Geology*, 282: 161-168

## CONFERENCE

### Conference with publication:

#### **INQUA, Bern, Switzerland 2011**

**Montade V**, Combourieu-Nebout N, Siani G, Michel E, Kissel C, Carel M, Mulsow S (2012) Magellanic Moorland Expansion during the Antarctic Cold Reversal from Coastal Vegetation Changes in the Taitao Peninsula, Chile. *Quaternary International*, 333: 279–280

### Conference without publication:

**Montade V**, Ledru M-P, Bremond L, Favier C, Verola C F, Costa I R, Jeferson I, Burte J, Martins E S P R, Magalhães e Silva F H, (2015) Differentiation between physiognomies of tropical rainforest using pollen rain, **APLF**, Pontarlier, France

**Montade V**, Ledru M-P, Bremond L, Favier C, Verola C F, Costa I R, Jeferson I, Burte J, Martins E S P R, Magalhães e Silva F H, (2015) Potential of tropical rainforest microrefugia to sustain tropical biodiversity in Northeast Brazil, **CFCC for COP21**, Paris, France

Wainer I, Ledru M-P, Souza S M, Bicego M, Taniguchi N, **Montade V**, Prado L F, Mahiques M (2014) Recent abrupt drying of the equatorial South-American hydroclimate, **PAGES**, Portland, USA

**Montade V**, Ledru M-P, Burte J, Martins E S P R, Verola C F, Costa I R, Magalhães e Silva F H (2014) Stability of a Neotropical microrefugium during climatic instability, **EPPC**, Padua, Italy

**Montade V**, Combourieu-Nebout N, Peyron O (2014) How to evaluate the past climate variability through the Holocene in southern Chile, **EPPC**, Padua, Italy

Combourieu-Nebout N, Bertini A, Russo-Ermolli E, Peyron O, Klotz S, **Montade V**, Fauquette S, Allen J, Fusco F, Goring S, Huntley B, Joannin S, Lebreton V, Magri D, Orain R, Sadori L (2014) Climate changes in central Mediterranean and Italian vegetation dynamic since the Pliocene, **EPPC**, Padua, Italy

**Montade V**, Kageyama M, Combourieu-Nebout N, Ledru M-P, Michel E, Siani G, Kissel C (2012) Atmospheric Teleconnections between the Intertropical Convergence Zone and Southern Westerly Wind belt during the last termination: a model data comparison, **LaACER (PAGES) invited**, Bogota, Colombia

**Montade V**, Ledru M-P, Burte J, Martins E S P R (2012) Responses of a rainforest refugia to climate variability, the case of the Atlantic rainforest of Ceará, Brazil, **ATBC**, Bonito, Brazil

**Montade V**, Combourieu-Nebout N, Kageyama M, Kissel C, Siani G, Michel E (2012) Southern Westerly Wind belt and Carbon dioxide changes during the Antarctic Cold Reversal, **EGU**, Vienna, Austria

**Montade V**, Combourieu-Nebout N, Mulsow S, Siani G, Chapron E, Michel E, Kissel C, (2011) Changements des vents d'ouest austraux durant l'Holocène à partir de l'étude palynologique de deux carottes marines en Patagonie chilienne, *Paleoceanography open days - IMAGES*, Aix en Provence, France

**Montade V**, Combourieu-Nebout N, Siani G, Michel E, Kissel C, Carel M, Mulsow S (2011) Développement des Tourbières de Magellan durant l'Antarctic Cold Reversal à partir des Changements de Végétation Côtières sur péninsule de Taitao, Chili, **APLF**, Meudon, France, **Prize of the best oral communication**

**Montade V**, Combourieu-Nebout N, Siani G, Michel E, Kissel C, Carel M, Mulsow S (2010) Vegetation and Climate Changes in Patagonia (46°S) during the Last 20 kyr cal. BP from South East Pacific MD 07 3088 Core, **AGU Fall Meeting**, San Francisco, USA

**Montade V**, Combourieu-Nebout N, Siani G, Michel E, Kissel C, Mulsow S (2010) Changements de la végétation et du climat au cours des derniers 20, 000 ans (MD 07 3088, 46°04'S; 76°05'W, 1536 m) au Sud-est du Pacifique, **RST**, Bordeaux, France

**Montade V**, Combourieu-Nebout N, Mulsow S, Kissel C, Michel E, Siani G (2010) Paleoclimate Changes During the Last 20kyr From Oceanic Core MD 07 3088 (46°S) off Chilean Patagonia, **SCC**, Bariloche, Argentina

**Montade V**, Combourieu-Nebout N, Siani G, Michel E, Kissel C, Mulsow S (2010) Paleoclimate Changes During the Last 20kyr from Oceanic Core off Patagonia, **Pachiderme Post-Cruise Meeting**, Gif-sur-Yvette, France

**Montade V**, Combourieu-Nebout N, Mulsow S, Kissel C, Michel E, Siani G (2009) Pollen Distribution in Marine Surface Sediments From South-east Pacific and Paleoclimate Changes During the Last 20kyr From Core MD 07 3088 (46°S) off Patagonia, **AGU Fall Meeting**, San Francisco, USA

**Montade V**, Combourieu-Nebout N, Mulsow S, Kissel C, Michel E, Siani G (2009) Distribution des grains de pollen dans les sommets de carottes marines et modifications paleoclimatiques au cours des derniers 20, 000 ans au Sud-est du Pacifique, Paleoceanography open days - **IMAGES**, Bordeaux, France

**Montade V**, Combourieu-Nebout N (2009) Distribution des Grains de Pollen dans les Sédiments Marins de Surfaces en Patagonie chilienne, **APLF**, Lille, France