

Fabien Wagner

PhD

30 Avenue L.S. Senghor

97310 Kourou

France

+33 (652) 754 079

+3 (456) 327 351

wagner.h.fabien@gmail.com

<http://www.ecofog.gf/spip.php?article73>

Education

- 2008–2011 **PhD**, *University of the French West Indies and Guiana (UAG)*, Kourou.
title *The response of tropical rainforests to climate variations. Assessing changes in forest structure and dynamics in French Guiana.*
supervisor Bruno Héroult, PhD
- 2006–2007 **Masters Degree**, *University Paul Sabatier*, Toulouse.
Biostatistics and Modeling for the environment

Research experience

- 2012–present **Postdoctoral fellow**, *Cirad*, Kourou.
Leader of the Work Package 1 (Climatic Indicators) of the Climfor project, 'Modeling climate change impacts on tropical forest biodiversity of French Guiana'.
mentor Bruno Héroult, PhD
- 2008–2011 **Graduate student researcher**, *UAG*, Kourou.
supervisor Bruno Héroult, PhD
- 2007–2008 **Biostatistician**, *Cirad*, Kourou.
- 2007–2007 **Biostatistician**, *Inserm*, Toulouse.

Teaching experience

- 2011–2012 Introduction to R, one week course, 5-9 november, Embrapa, Belém, Brazil
- 2011–2012 Introduction to R, 4h course, Master degree 'Ecology of Tropical Forests', UAG and AgroParisTech, Kourou, French Guiana

Languages

- French **native tongue**
- English **proficient**
- Portuguese **conversational**
- Deutsch **conversational**

Computer skills

- softwares RStudio, Openbugs, \LaTeX
- programming R, C++

Interests

hobbies travelling, hiking, sailing, socialising, jogging

Publications

C. Stahl, B. Burban, F. Wagner, J.-Y. Goret, F. Bompoy, and D. Bonal, "Influence of seasonal variations in soil water availability on gas exchange of tropical canopy trees," *Biotropica*, 2012.

F. Wagner, V. Rossi, C. Stahl, D. Bonal, and B. Herault, "Water availability is the main climate driver of neotropical tree growth," *Plos One*, vol. 7, APR 10 2012.

B. Herault, B. Bachelot, L. Poorter, V. Rossi, F. Bongers, J. Chave, C. E. T. Paine, F. Wagner, and C. Baraloto, "Functional traits shape ontogenetic growth trajectories of rain forest tree species," *Journal of Ecology*, vol. 99, pp. 1431–1440, NOV 2011.

F. Wagner, B. Herault, C. Stahl, D. Bonal, and V. Rossi, "Modeling water availability for trees in tropical forests," *Agricultural and Forest Meteorology*, vol. 151, pp. 1202–1213, SEP 15 2011.

B. Herault, J. Beauchene, F. Muller, F. Wagner, C. Baraloto, L. Blanc, and J.-M. Martin, "Modeling decay rates of dead wood in a neotropical forest," *Oecologia*, vol. 164, pp. 243–251, SEP 2010.

B. Herault, J. Ouallet, L. Blanc, F. Wagner, and C. Baraloto, "Growth responses of neotropical trees to logging gaps," *Journal of Applied Ecology*, vol. 47, pp. 821–831, AUG 2010.

E. Rutishauser, F. Wagner, B. Herault, E.-A. Nicolini, and L. Blanc, "Contrasting above-ground biomass balance in a Neotropical rain forest," *Journal of Vegetation Science*, vol. 21, pp. 672–682, AUG 2010.

F. Wagner, E. Rutishauser, L. Blanc, and B. Herault, "Effects of Plot Size and Census Interval on Descriptors of Forest Structure and Dynamics," *Biotropica*, vol. 42, pp. 664–671, NOV 2010.

E. Huyghe, M. Delannes, F. Wagner, B. Delaunay, J. Nohra, M. Thoulouzan, J. Y. Shut-Yee, P. Plante, M. Soulie, P. Thonneau, and J. M. Bachaud, "Ejaculatory function after permanent (125)I prostate brachytherapy for localized prostate cancer," *International Journal of Radiation Oncology Biology Physics*, vol. 74, pp. 126–132, MAY 1 2009.

E. Huyghe, N. Kamar, F. Wagner, A.-H. Capietto, L. El-Kahwaji, F. Muscari, P. Plante, and L. Rostaing, "Erectile Dysfunction in End-Stage Liver Disease Men," *Journal of Sexual Medicine*, vol. 6, pp. 1395–1401, MAY 2009.

E. Huyghe, N. Kamar, F. Wagner, S. J. Yeung, A. H. Capietto, L. El-Kahwaji, F. Muscari, P. Plante, and L. Rostaing, "Erectile Dysfunction in Liver Transplant Patients," *American Journal of Transplantation*, vol. 8, pp. 2580–2589, DEC 2008.

B. Rambaud, J. Nohra, M. Khedis, F. Wagner, M. Mazerolles, J. Amar, B. Chamontin, A. Bennet, P. Caron, P. Rischmann, P. Plante, M. Soulie, and E. Huyghe, "Retroperitoneal laparoscopic surgery for pheochromocytoma: analysis of morbidity and haemodynamic instability," *Progres en Urologie*, vol. 17, pp. 1319–1323, NOV 2007.

Conferences

F. Wagner, M. Aubry Kientz, C. Stahl, Q. Molto, A. Moore, V. Rossi, and B. H'erault, "Confronting satellite and field measurement data to improve the understanding of carbon uptake by tree growth in french guiana," in *50th Annual meeting of the Association for Tropical Biology and Conservation (ATBC-OTS 2013) : New frontiers in tropical ecology - the next 50 years, San José, Costa Rica, 23-27 of june 2013.*, 2013.

F. Wagner, M. Aubry-Kientz, C. Stahl, Q. Molto, A. Moore, V. Rossi, and B. Hérault, "Confronting satellite and field measurement data to improve the understanding of carbon uptake by tree growth in french guiana.," in *Symposium Selper 2012, Earth Observation for a Green Co-developed World, Cayenne, French Guiana, 19-23 November 2012*, 2012.

F. Wagner, A. Moore, V. Rossi, and B. Hérault, "Which climate indices are relevant for predicting the response of tropical forests to future climate scenarios ?," in *49th Annual meeting of the Association for Tropical Biology and Conservation (ATBC 2012) : Ecology, evolution and sustainable use of tropical biodiversity, Bonito-MS, Brasil, 18-22 of june 2012.*, 2012.

F. Wagner, B. Hérault, C. Stahl, D. Bonal, and V. Rossi, "Assessing the impact of water availability on growth of neotropical trees," in *Adaptability to climate change and attaining the millennium development goals for tropical ecosystems / 2011 International Joint Meeting of the ATBC and SCB Africa, Arusha, Tanzania, 12-16 June, 2011*, 2011.

F. Wagner, B. Hérault, D. Bonal, and V. Rossi, "Modeling soil water availability for neotropical forest trees," in *International Biometric Conference, Floripa, Brazil, 5-10 December 2010.*, 2010.

B. Hérault, F. Ouallet, J. and Wagner, and B. Baraloto, C. and Blanc, "Differential species growth response to canopy openings: a spatially-explicit approach," in *Annual Meeting of the Association for Tropical Biology and Conservation*, (Paramaribo, Surinam.), Association for Tropical Biology and Conservation, 2008.