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Director of the *Laboratoire de Géographie Physique* : Environnements Quaternaires et Actuels

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## Education

- 2006 : **Habilitation à Diriger des Recherches**, University Paris 1
- 1992 : **PhD in geography (spec. geomorphology)**, University Paris-10-Nanterre
- 1987: Master in physical geography

## Positions

**Current:** Professor, University Paris 1 Panthéon-Sorbonne, Geography Department

- 2007 – 2013: Professor, University Paris 8 – Saint-Denis
- 2000 – 2007: Assistant professor, University Paris 8 – Saint-Denis
- 1993 – 2000: Assistant professor, University of Orléans

President of the scientific committee of the Natural Reserve of the Val de Loire  
Supervisor of 12 PhDs.

## Fields of research

Large rivers, physical geography, fluvial geomorphology and sedimentology, anthropogenic impacts, river restoration and management, fluvial island dynamics, wetlands, hydrology, impact of global changes, interaction between biotic and abiotic components, natural hazards.

Main programs:

- PI of GDR 2012 Arctique: Enjeux pour l'environnement et les sociétés (Arctic environment and societies, 2017-2021, CNRS INEE)
- ANR DIGUES (National Research Agency, France): PI of the Loire river sites
- Zone Atelier Loire (Long Term Ecological Research, CNRS INEE)

Loire River (France), Lena River (Eastern Siberia), Indonesia (Java), Niger River

## H Index : 16; 1830 citations

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International journals	39
Proceedings	25
Conferences	56
Invitations	8

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### *Main publications:*

- Gautier E., Dépret T., Cavero J., Costard F., Virmoux C., Fedorov A., Konstantinov P., Jammet M., Brunstein D., 2021. Fifty-year dynamics of the Lena River islands (Russia): Spatio-temporal pattern of large periglacial anabranching river and influence of climate change. *Science of the Total Environment*, 783, 147020. <https://doi.org/10.1016/j.scitotenv.2021.147020>
- Dépret, T., Virmoux C., Gautier E., Piégay H., Doncheva M., Plaisant B., Ghamgui S., Mesmin E., Saulnier-Copard S., de Milleville L., Cavero J., and P. Hamadouche, 2021. Lowland gravel-bed river recovery through former mining reaches, the key role of sand, *Geomorphology*, vol. 373, pp. 107493, [10.1016/j.geomorph.2020.107493](https://doi.org/10.1016/j.geomorph.2020.107493)
- Gautier, E., Dépret T., Costard F., Virmoux C., Fedorov A. A., Grancher D., Konstantinov P., and D. Brunstein, 2018. Going with the flow: Hydrologic response of middle Lena River (Siberia) to the climate variability and change, *Journal of Hydrology*, vol. 557, pp. 475 - 488, [10.1016/j.jhydrol.2017.12.034](https://doi.org/10.1016/j.jhydrol.2017.12.034).
- Dépret, T., E. Gautier, J. Hooke, D. Grancher, C. Virmoux, and D. Brunstein, 2017. Causes of Planform Stability of a Low-Energy Meandering Gravel-Bed River (Cher River, France), *Geomorphology*, vol. 285, pp. 58--81, 2017. [10.1016/j.geomorph.2017.01.035](https://doi.org/10.1016/j.geomorph.2017.01.035). [hal-02477275](https://hal.archives-ouvertes.fr/hal-02477275).
- Gautier, E., S. Grivel, C. Garcia Govea, T. Depret, C. Virmoux, and D. Brunstein, 2016. Analyse comparée de la dynamique des îles fluviales de trois grands cours d'eau - Lena, Napo et Loire, *Bulletin de la Société Géographique de Liège*, no. 67, pp. 125-141.
- Gob, F. Gautier E., Virmoux C., Grancher D., Tamisier V., Primanda K.W., Wibowo S.B., Sarrazin C., de Belizal E., Ville A., and F. Lavigne, 2016. River responses to the 2010 major eruption of the Merapi volcano, central Java, Indonesia. *Geomorphology*, 273: 244 - 257, [10.1016/j.geomorph.2016.08.025](https://doi.org/10.1016/j.geomorph.2016.08.025). [hal-01481063](https://hal.archives-ouvertes.fr/hal-01481063).
- Nabet, F., S. Grivel, and E. Gautier, 2016. Influence of fluvial engineering works and toposedimentary response at different hydrological events, the middle Loire River, *Géomorphologie : relief, processus, environnement*, vol.22, no.2, pp. 211 - 225. [10.4000/geomorphologie.11398](https://doi.org/10.4000/geomorphologie.11398). [hal-01481265](https://hal.archives-ouvertes.fr/hal-01481265)
- Mamadou, I., Gautier, E., Descroix, L., Noma M., Bouzou Moussa M., Faran Maiga O., Genthon, P., Amogu, O., Malam Abdou M., and J.-P. Vandervaere, 2015. Exorheism growth as an explanation of increasing flooding in the Sahel, *Catena*, 131: 130 - 139, [10.1016/j.catena.2015.03.017](https://doi.org/10.1016/j.catena.2015.03.017)
- Gautier E., Brunstein D., Vauchel P., Jouanneau J.-M., Roulet M., Garcia C., Guyot J.L, Castro M., 2010. Channel and floodplain sediment dynamics in a reach of the tropical meandering Rio Beni (Bolivian Amazonia). *Earth Surface Processes and Landforms* 35/15 : 1838–1853, DOI: 10.1002/esp.2065.
- Grivel, S., F. Nabet, E. Gautier, S. Temam, G. Gruwé, J. Gardaix, and M. Lee, 2018. Heritages and contemporary interactions of old structures in the middle Loire River (France), *VertigO : La Revue Électronique en Sciences de l'Environnement*, vol. 18, no. 3 [10.4000/vertigo.23121](https://doi.org/10.4000/vertigo.23121).
- Grivel, S., E. Gautier, 2012. Establishment and development of fluvial islands in the middle Loire River, from the 19th century up to now, *Cybergeo : Revue européenne de géographie / European journal of geography*, Jan. 2012. [10.4000/cybergeo.25451](https://doi.org/10.4000/cybergeo.25451). [hal-01485628](https://hal.archives-ouvertes.fr/hal-01485628).

### **Book chapters:**

- Gautier E., Costard F., Fedorov A., under press. The Lena River morphodynamics in a deep permafrost zone. In Gupta A. (ed.) *Large Rivers*, Wiley.
- Gautier E., 2020. Les impacts du changement climatique sur les dynamiques hydrologiques des milieux périglaciaires de haute latitude. In Mercier D. (dir.), 2020 - Les impacts spatiaux du changement climatique. ISTE éditions, Londres.
- Gautier E., Noizet H., 2019. Paris. In Carcaud N., Arnaud-Fassetta G., *Villes et rivières de France* (CNRS Editions) : pp.174-193.