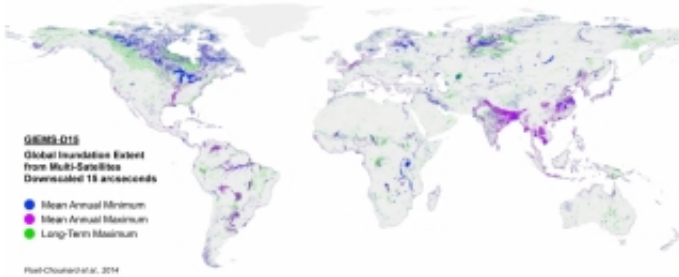


A new global wetlands map

January 16 2015



A new global map of the world's wetlands has been produced by an international research team led by former master's student Etienne Fluet-Chouinard and Prof. Bernhard Lehner of McGill's Department of Geography. In a paper published in the journal Remote Sensing of Environment, the researchers present a method producing a map in finer detail than previously available.

This is made possible by using topographic information combined with [satellite measurements](#) generated by French collaborators from the Laboratoire d'Etudes du Rayonnement et de la Matière en Astrophysique et Atmosphères and Estellus.

The map represents a long-term baseline of the world's wetland areas, including areas of artificial inundation and some waterlogged soils, based on measurements made between 1993 and 2004. "This [map](#) represents a great asset for scientists to study large inundation patterns and [wetland](#)

[ecosystems](#) at the global scale," says Fluet-Chouinard, now a PhD Student at the University of Wisconsin-Madison's Center for Limnology.

More information: Fluet-Chouinard, E., Lehner, B., Rebelo, L.M., Papa, F., Hamilton, S.K., (2015) "Development of a global inundation map at high spatial resolution from topographic downscaling of coarse-scale remote sensing data," *Remote Sensing of Environment*, 158: 348-361. [dx.doi.org/10.1016/j.rse.2014.10.015](https://doi.org/10.1016/j.rse.2014.10.015)

A PDF version of the map is available online:
[www.mcgill.ca/channels/sites/m ... wetlands_map_pdf.pdf](http://www.mcgill.ca/channels/sites/m...wetlands_map_pdf.pdf)

Provided by McGill University

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