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## CE G8100 Macro-Hydrology (3 credits)

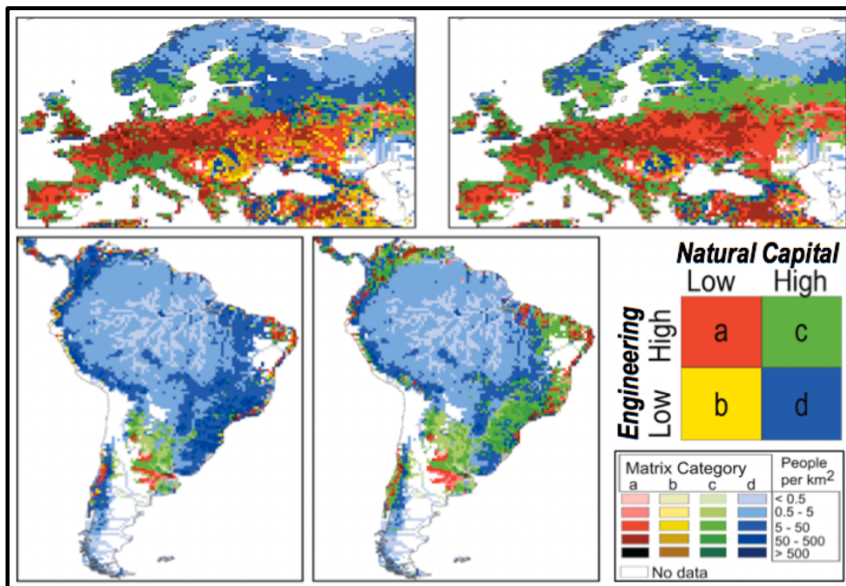
### SUS 8100B Macro-Hydrology

Spring 2021

Instructor: C. Vörösmarty

Tuesdays: 6:30-9:00 PM

**ROOM: TBD (Check *CUNY-FIRST* prior to first class)**



The primary goals of this course are to introduce students to the topic of macro-scale hydrology and to practice some of the fundamental elements of scientific research: manuscript reading and reviewing and the preparation of a scientific study. The course is organized as a mix of formal lectures by the instructor with open discussion during class. A team-based student project will be pursued during the course of the semester. Topics to be covered will feature the water cycle and water resources in the context of:

- *Planetary Boundaries*
- *Biogeochemistry & Pollution*
- *Water Engineering*
- *Water & Economic Development*
- *Green-Grey Engineering*
- *Global Climate Change*
- *Land Use and Cover Change*
- *Land-Coastal Zone Links*
- *Private Sector Innovation*
- *Monitoring of the Water Cycle*

The course is open to Graduate Students & Upper-Level Undergraduates (by permission).

**CONTACT: Professor C. Vörösmarty (cvorosmarty@gmail.com)**