



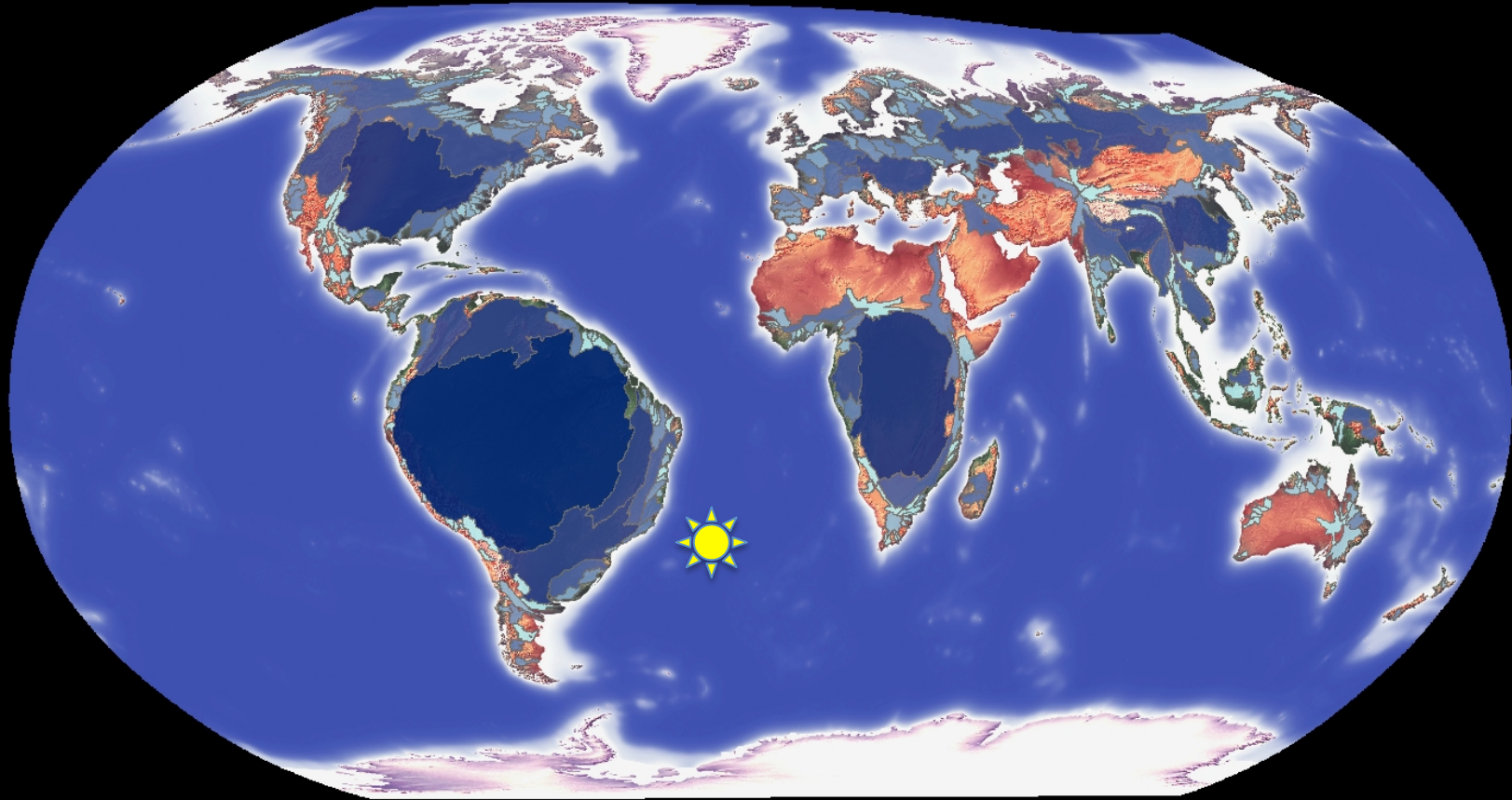
# The Global Rivers Observatory

## Earth responding to environmental change

*Bernhard Peucker-Ehrenbrink*  
*(Woods Hole Oceanographic Institution)*



# Weekly Runoff Animation



Data: GRDC, Koblenz, Germany

Compilation: Carl Martin Burch (CUNY)

Maps: Greg Fiske (WHRC)

Animation: BPE (WHOI)



Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

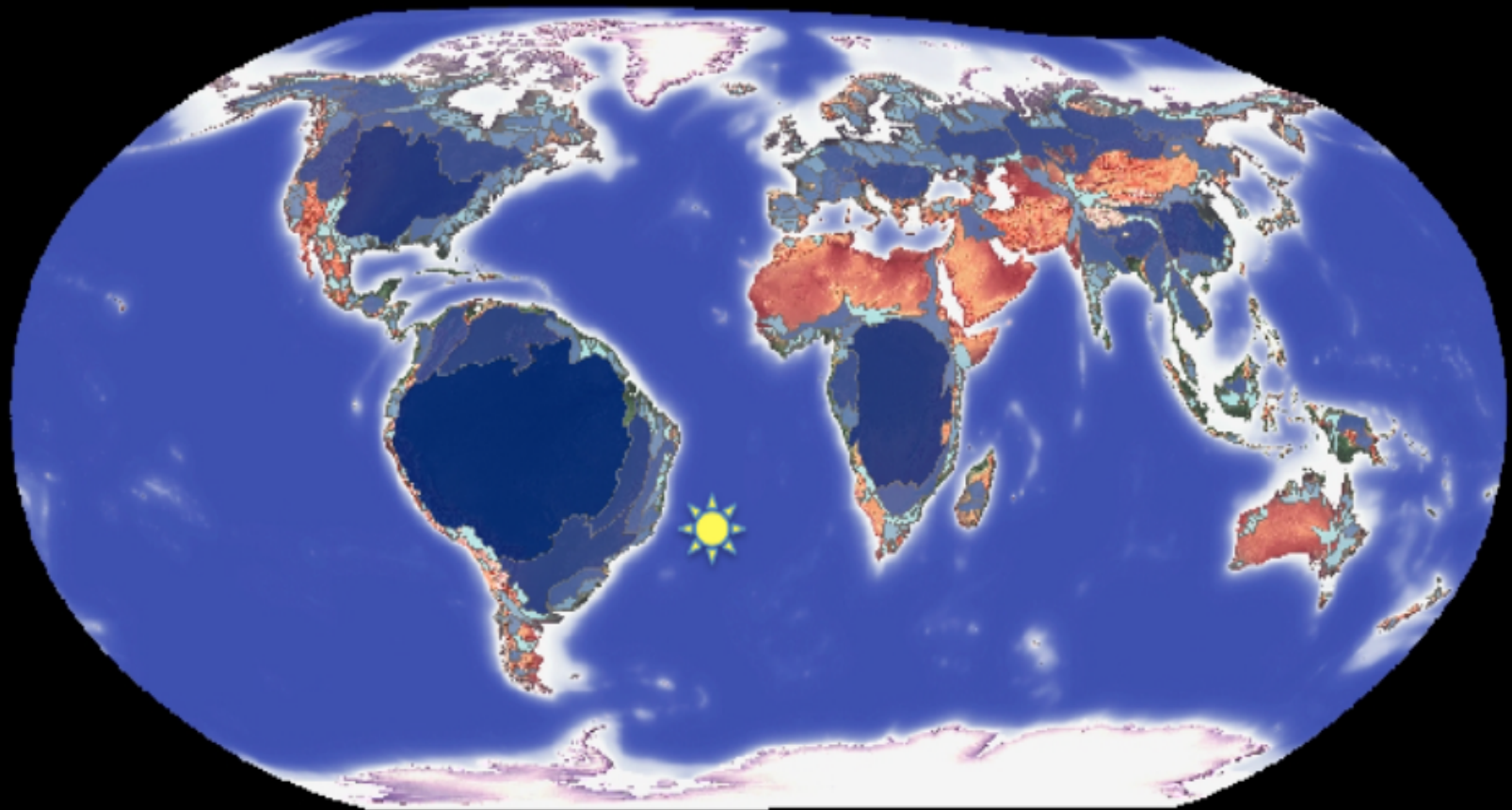
Sep

Oct

Nov

Dec

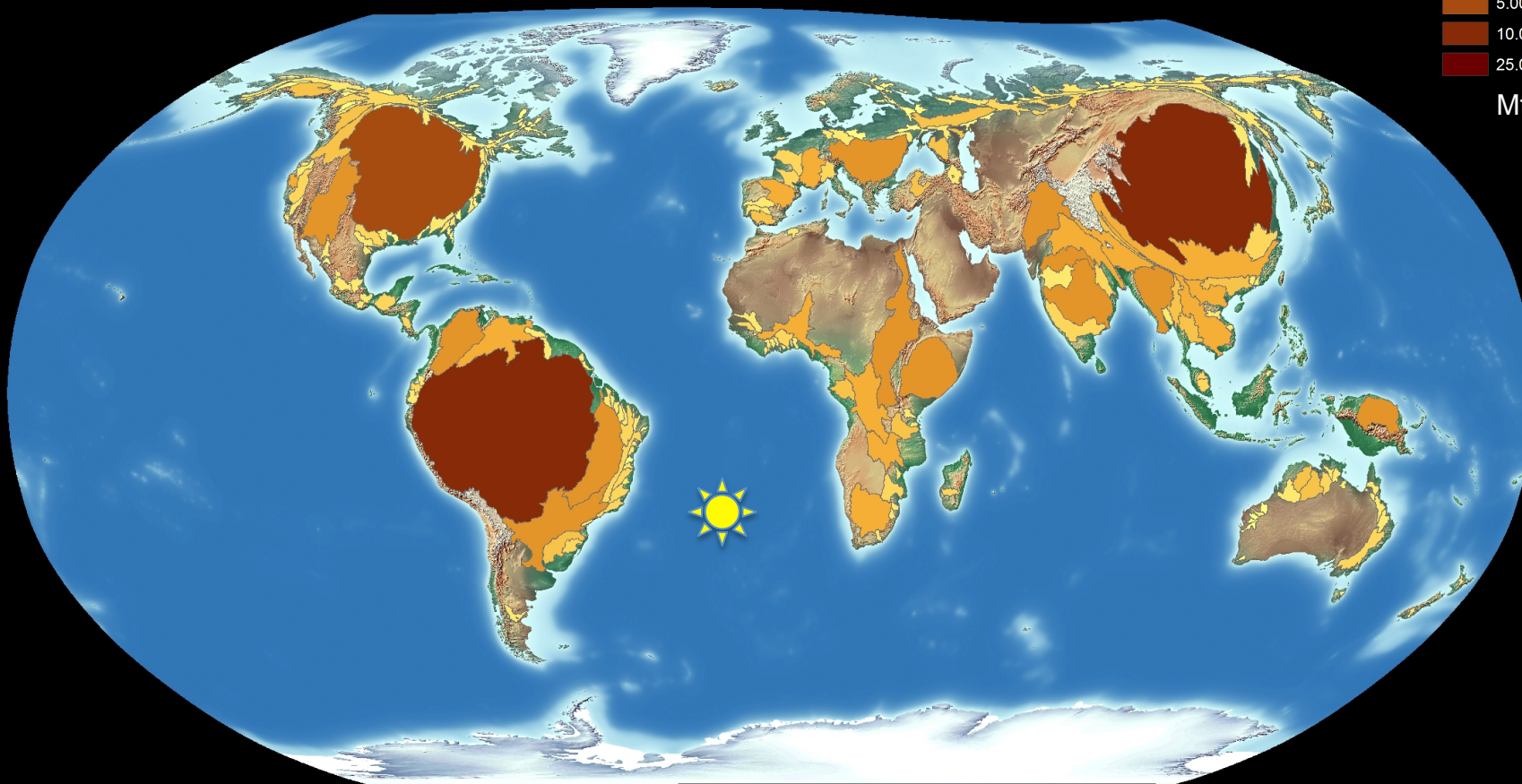
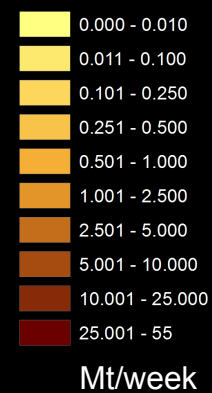




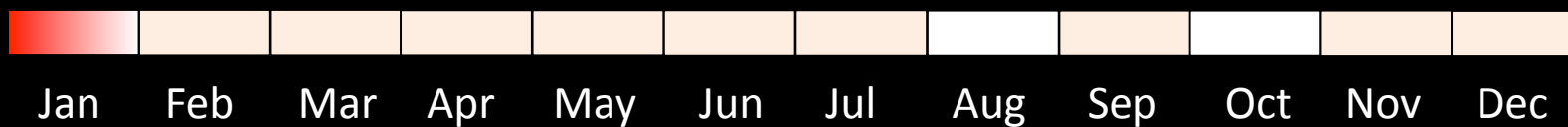
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



# Weekly TSS Animation



*Credits: Albert Kettner (BQART), Greg Fiske, Bernhard Peucker-Ehrenbrink*

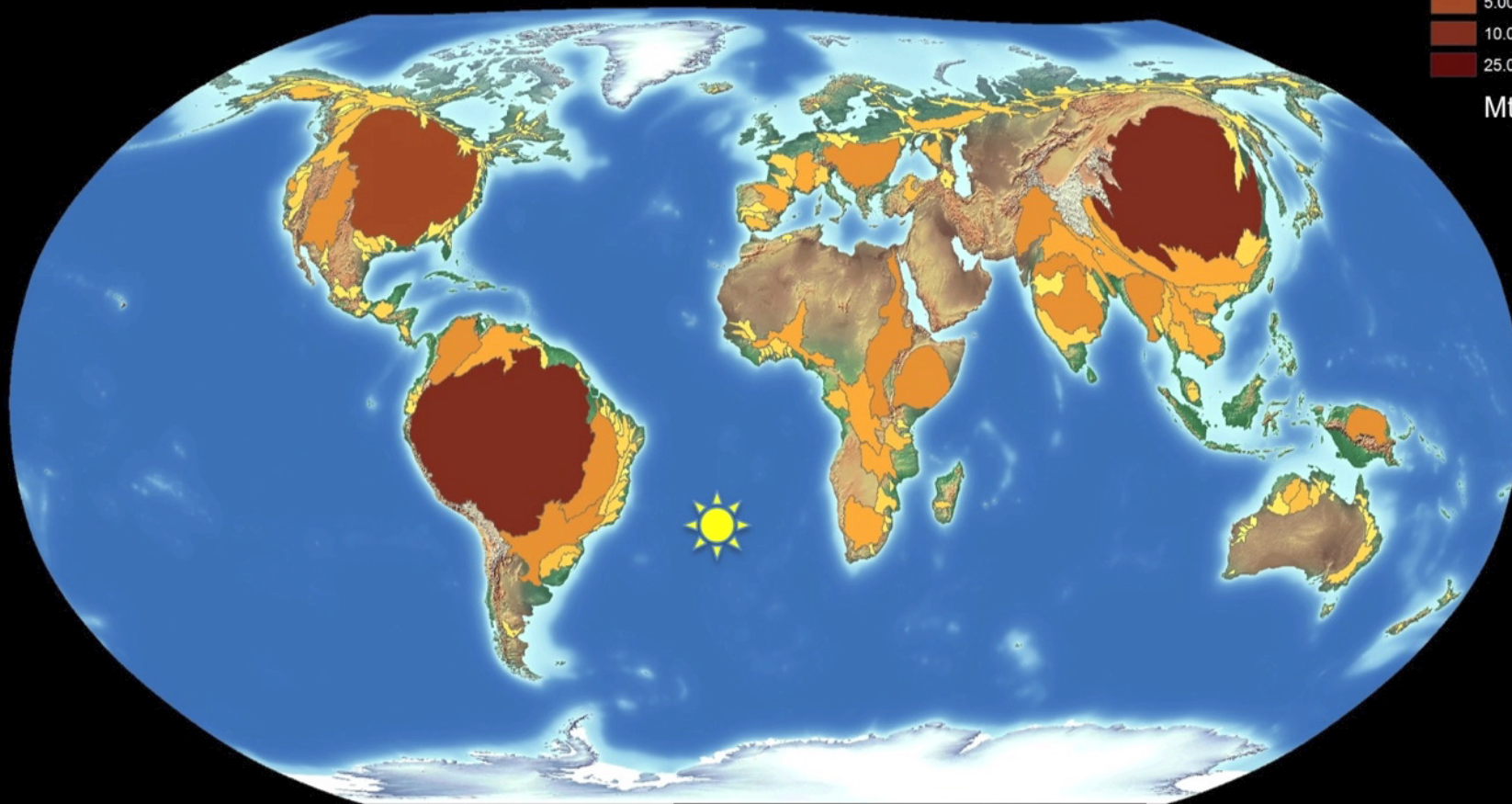




Credits: Albert Kettner,  
Greg Fiske, Bernhard  
Peucker-Ehrebrink



Mt/week



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



# A global observing network on rivers



Building the Global Rivers Observatory

[globalrivers.org](http://globalrivers.org)





# Global Rivers Team 2011







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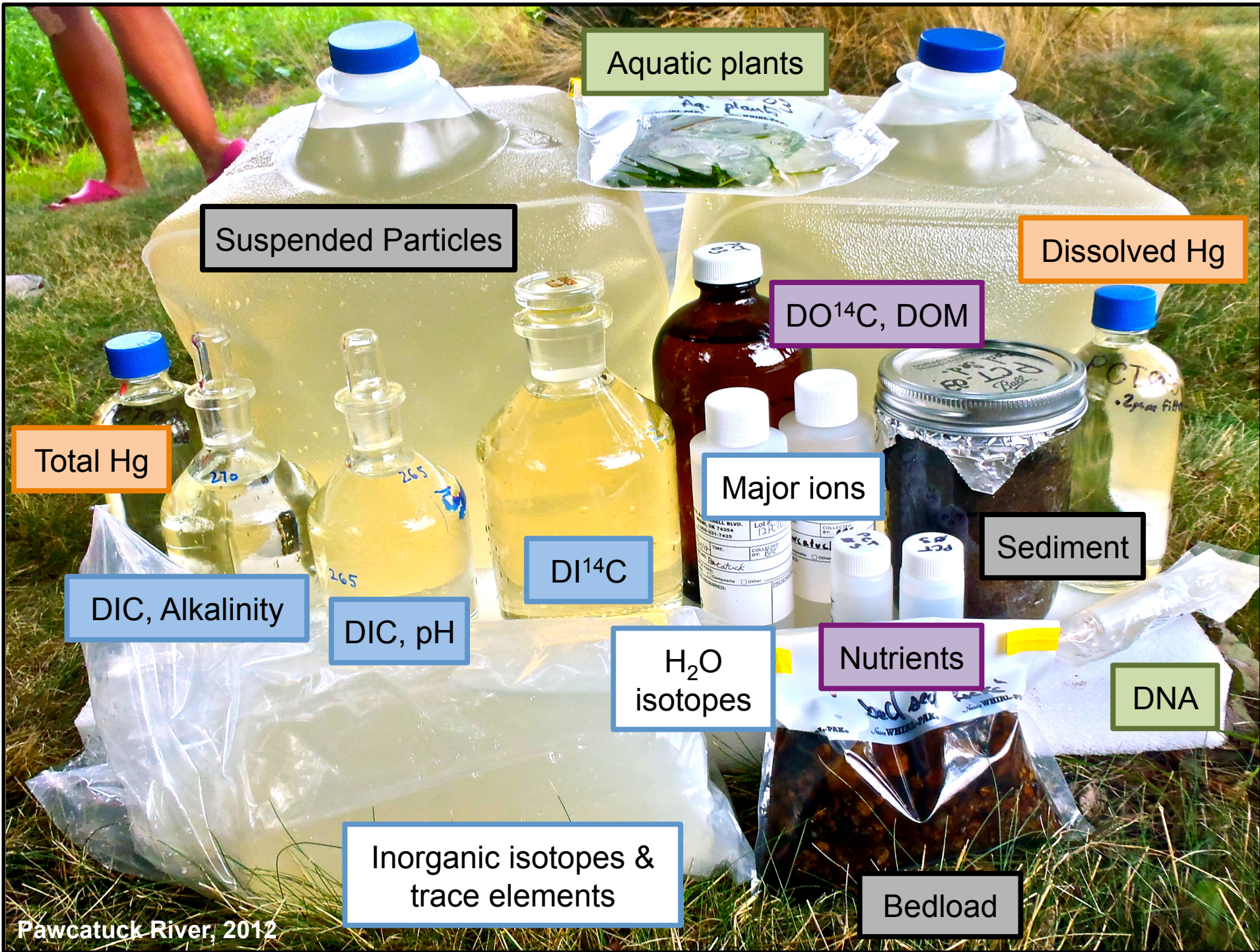


# Fraser River Observatory









Aquatic plants

Suspended Particles

Dissolved Hg

DO<sup>14</sup>C, DOM

Total Hg

Major ions

Sediment

DIC, Alkalinity

DIC, pH

DI<sup>14</sup>C

H<sub>2</sub>O isotopes

Nutrients

DNA

Inorganic isotopes & trace elements

Bedload

Pawcatuck River, 2012



# A global observing network on rivers



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