Underground Water Management in Brazil

MARIA LUIZA MACHADO GRANZIERA
BEATRIZ MACHADO GRANZIERA
Brazilian Constitution

- Federal Government: Superficial water located in more than one State

  Eg: São Francisco River
Brazilian Constitution

- States: Superficial water, located in only one State

Eg: Tietê River, State of São Paulo
Brazilian Constitution

But: groundwater: under the Federal States responsibility and control

www.thecities.com.br

marialuiza@granziera.com.br
GUARANI AQUIFER

Four Nations: Brazil, Argentina, Uruguay and Paraguay

marialuiza@granziera.com.br
**Guarani Aquifer**

In Brazil: 8 Federal States: each one has the competence to manage the resource.

marialuiza@granziera.com.br
General rules about underground water management: cooperation between the Federal States

But: competence to implement the management: only the Federal States
To implement the water management instruments: data system, planning, using authorization, protection, control

To establish specific rules (procedures) about underground use, protection and control
Cooperation is Strategic

States must organize together the underground water management, even if they have complete jurisdiction over it in their own territory.

www.granziero
Thank You

- Maria Luiza Machado Granziera
  marialuiza@granziera.com.br

- Beatriz Machado Granziera