



Scientists for Balkan Rivers

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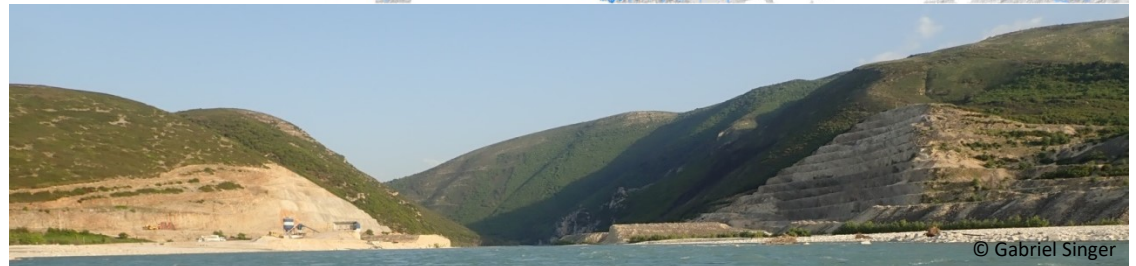
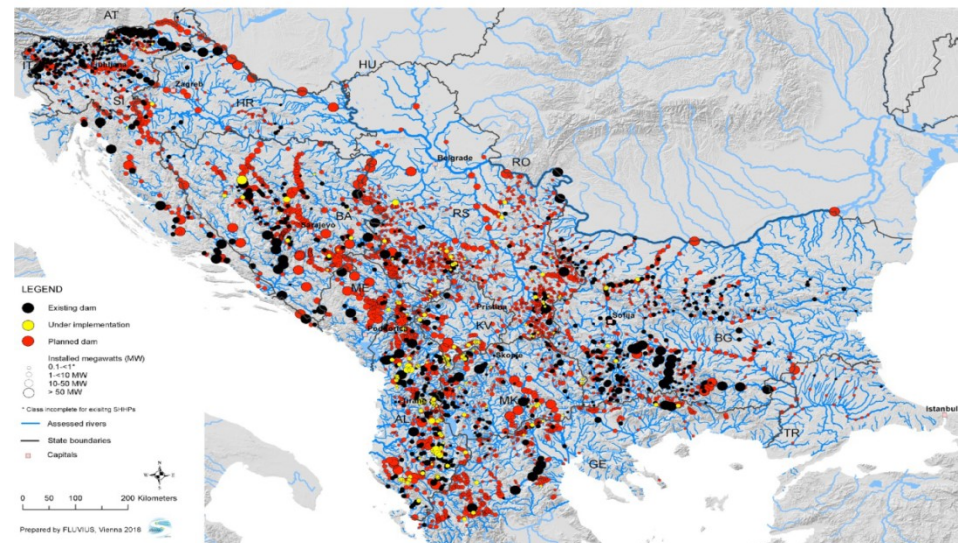
Kara Lena Virik

Status Quo

- Balkan rivers are among the **most threatened in all of Europe** by the construction of hydropower plants (HPP's)
- Decision-making processes **lack evidence-based knowledge** and may ignore environmental and social impacts (conflicts with Sustainable Development Goals)
- Often **short term monetary profit** is placed before the need to preserve these pristine rivers ecosystems

Hydropower plants in Balkan rivers

EURONATUR RiverWatch

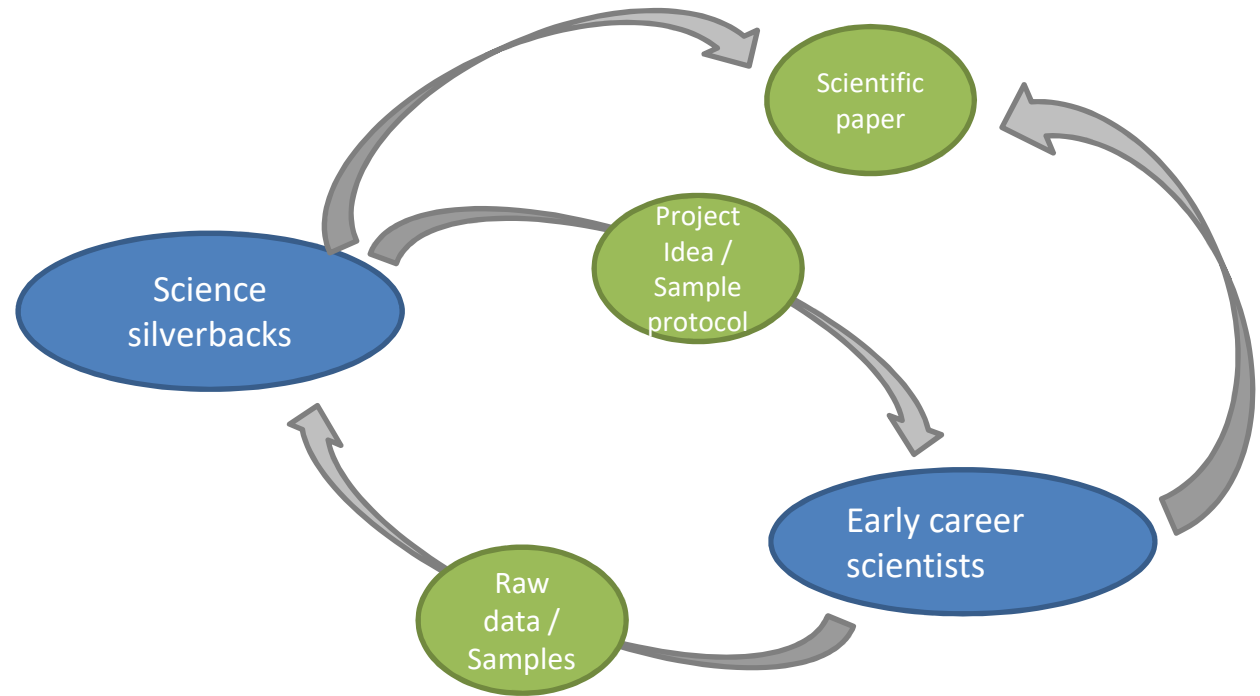


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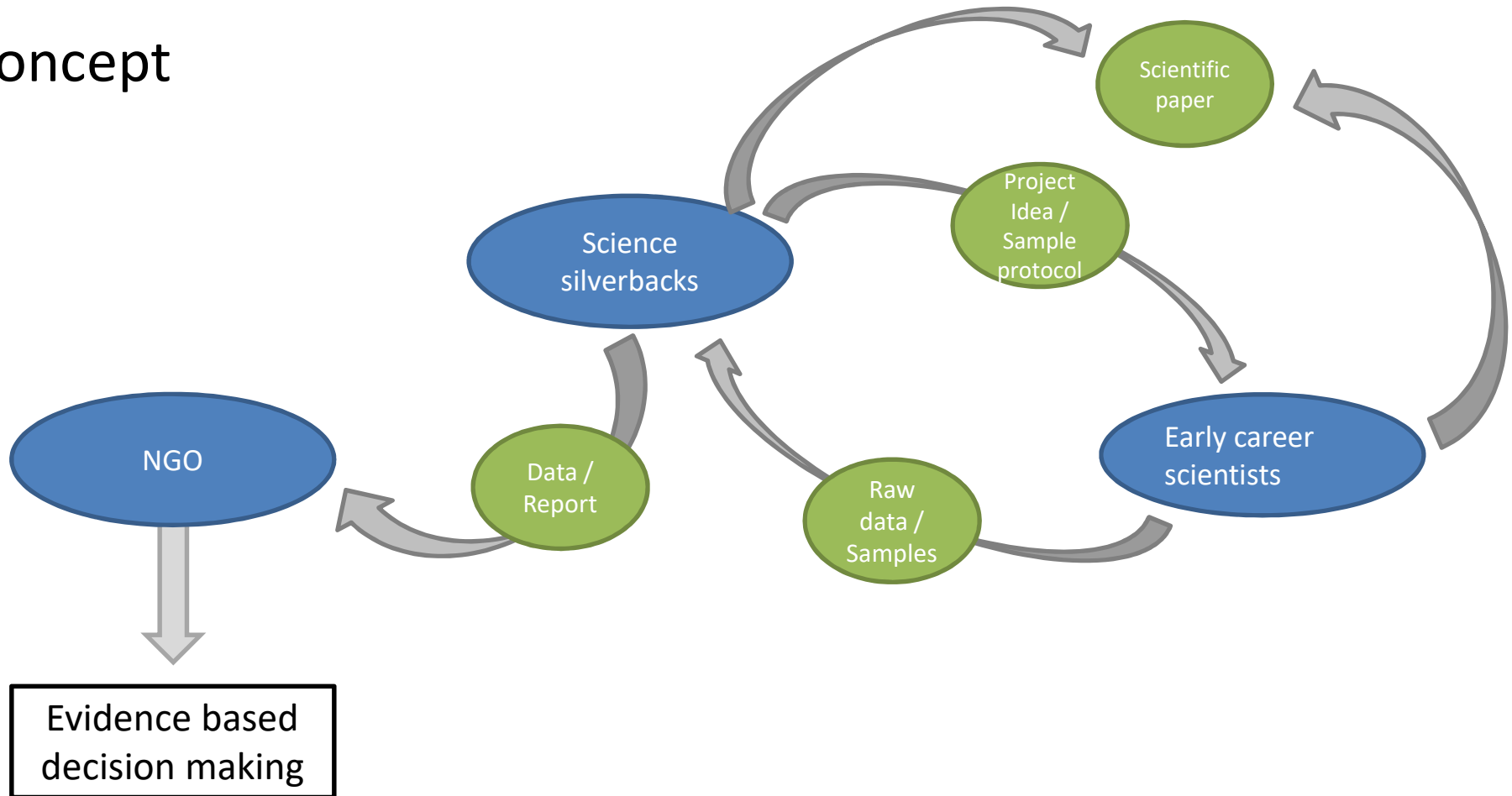
Concept



Concept



Concept



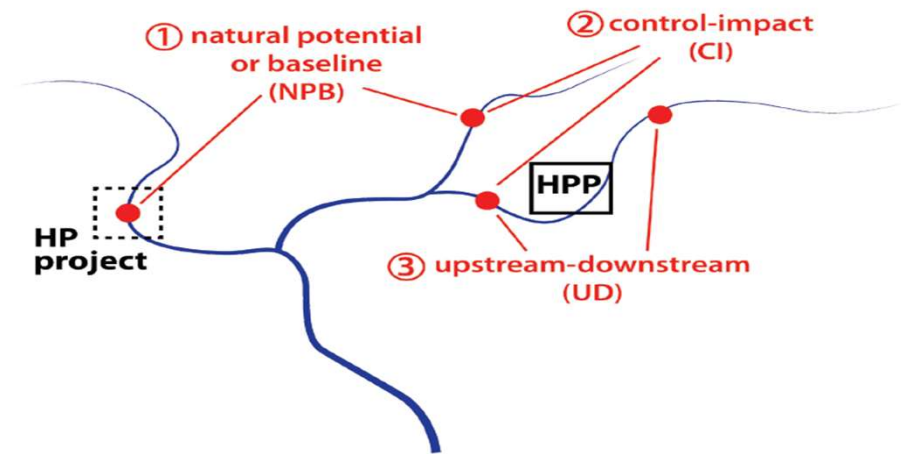
Spatial footprint of Greenhouse Gas evasion

Status quo:

- Change in CO_2 : CH_4 evasion ratio by dams
- Only little data available in Balkan region

Idea:

- Data collection with SfBR network
- Simple sampling protocol
- Send samples for analysis



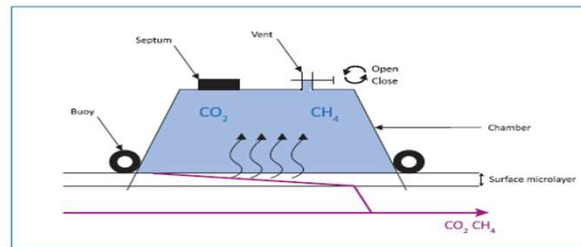
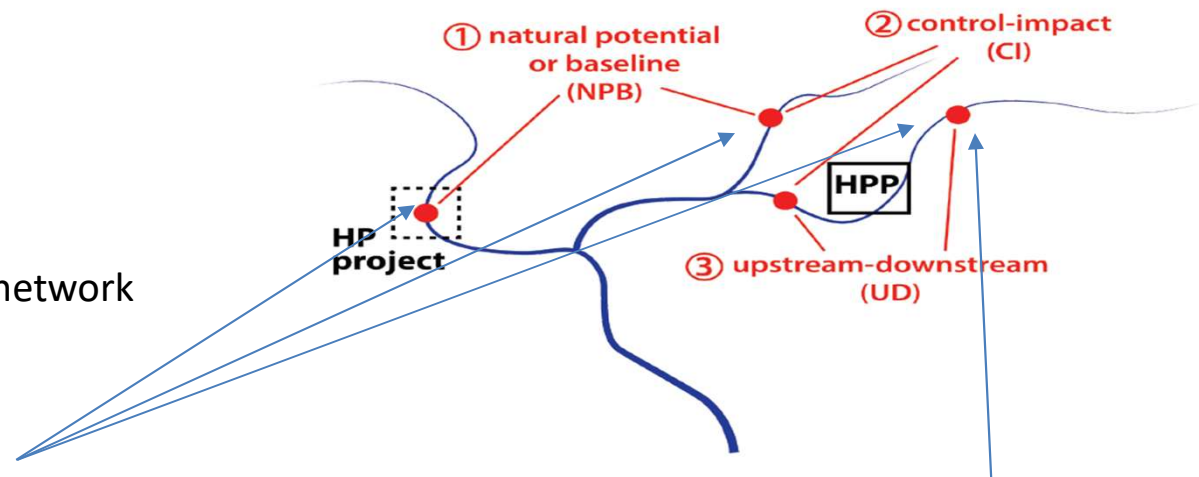
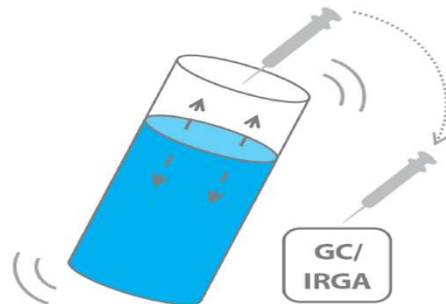
Spatial footprint of Greenhouse Gas evasion

Status quo:

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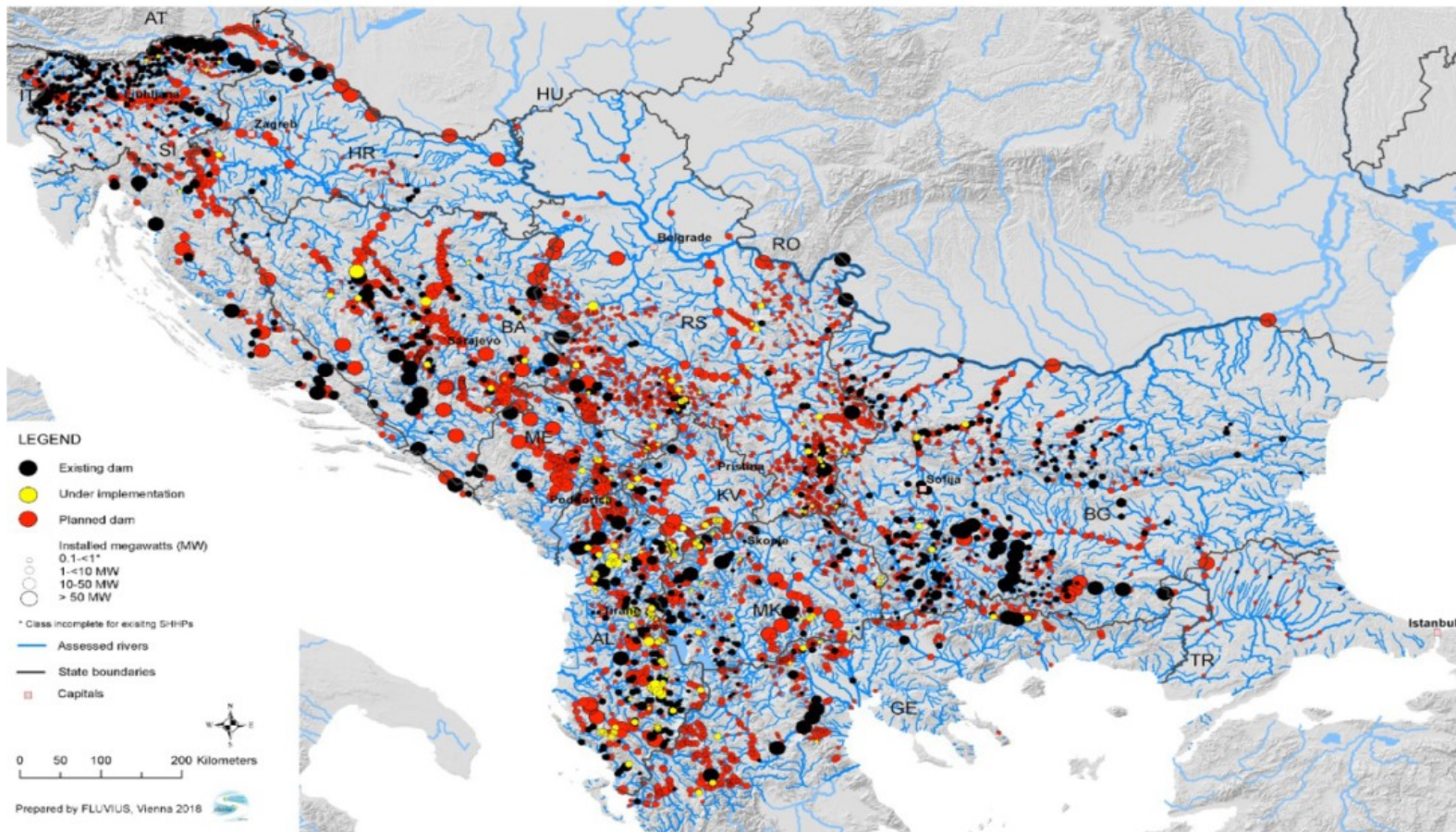
- Data collection with SfBR network
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Motivation

Hydropower plants in Balkan rivers

EURONATUR FOUNDATION RiverWatch



Monitoring of turbidity and suspended sediments

Status quo:

- Company sensors are expensive
- Making widespread deployment close to impossible

Idea:

- Provide low cost-self made Temperature/Turbidity sensors for specific projects



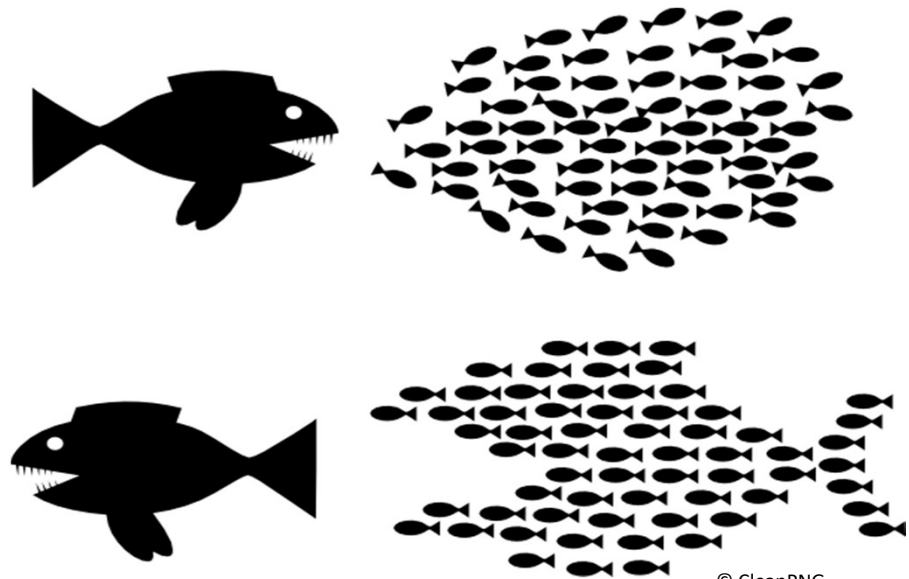
Challenges

Find enough participants to make also “very simple science” count

- Strength lies in the broad regional scale used for sampling
- Methods used would need to be low budget
- Each idea needs one or two researchers that feel “responsible”

Come up with research ideas that inform about the “value” of free flowing Balkan rivers

- Footprint of greenhouse gas evasion
- Turbidity
- **Your idea could be here!!!**



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The Rivers Needs **YOU!!!**

Interested in joining the network?

Fill out this form:

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