

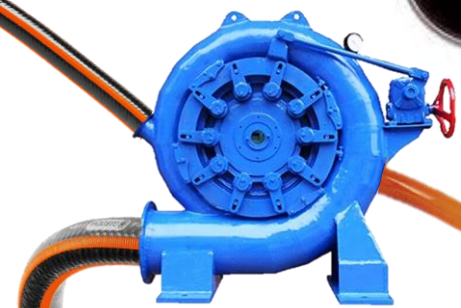
A photograph of a goldfish in a glass fishbowl. The fish is orange and yellow, swimming near the bottom. Above it, there is a splash of water with several bubbles. The background is white.

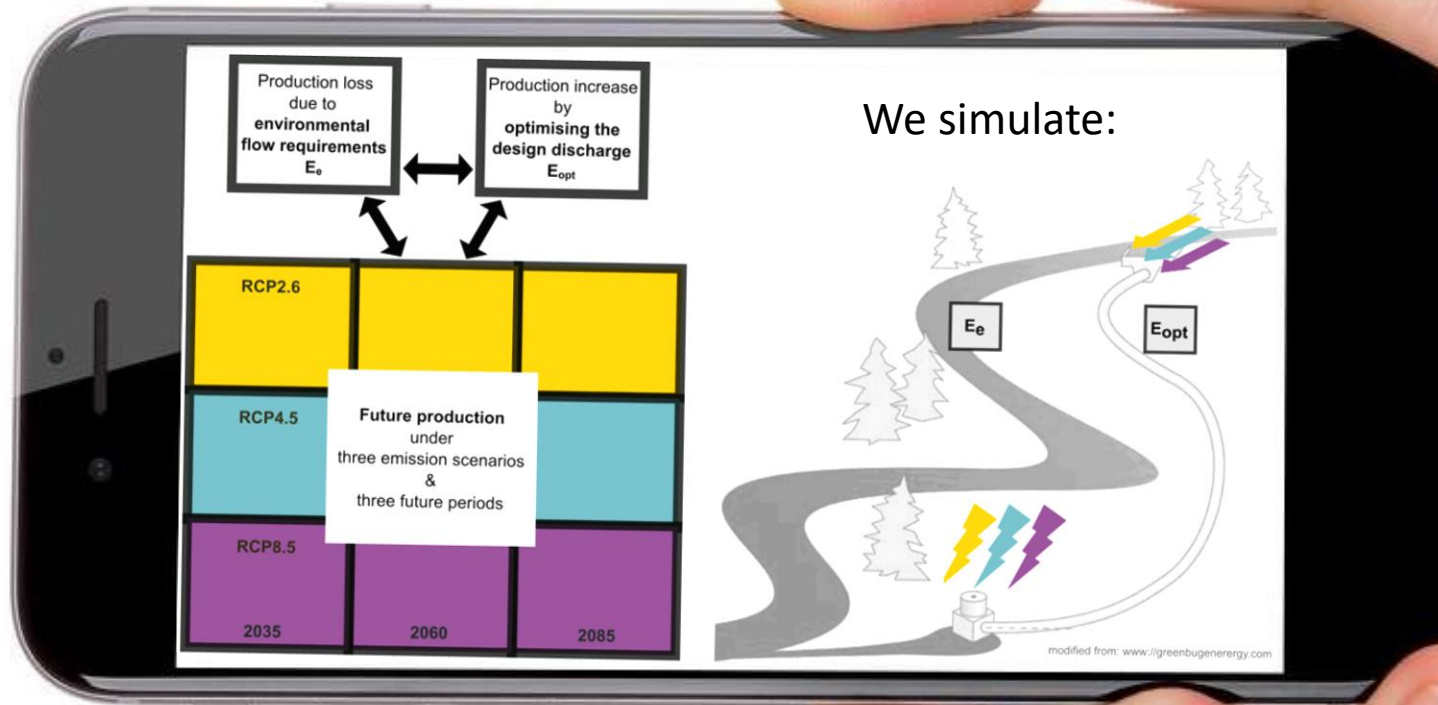
Innovation in Hydropower Operations and Planning to integrate renewable energy sources and optimize the Water-Energy Nexus▶

Co-organized by ERE2

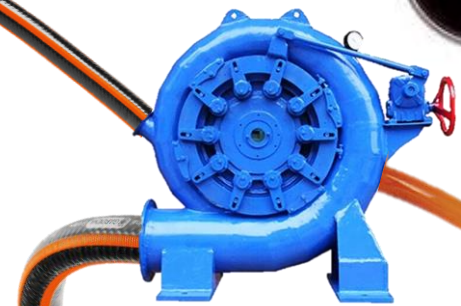


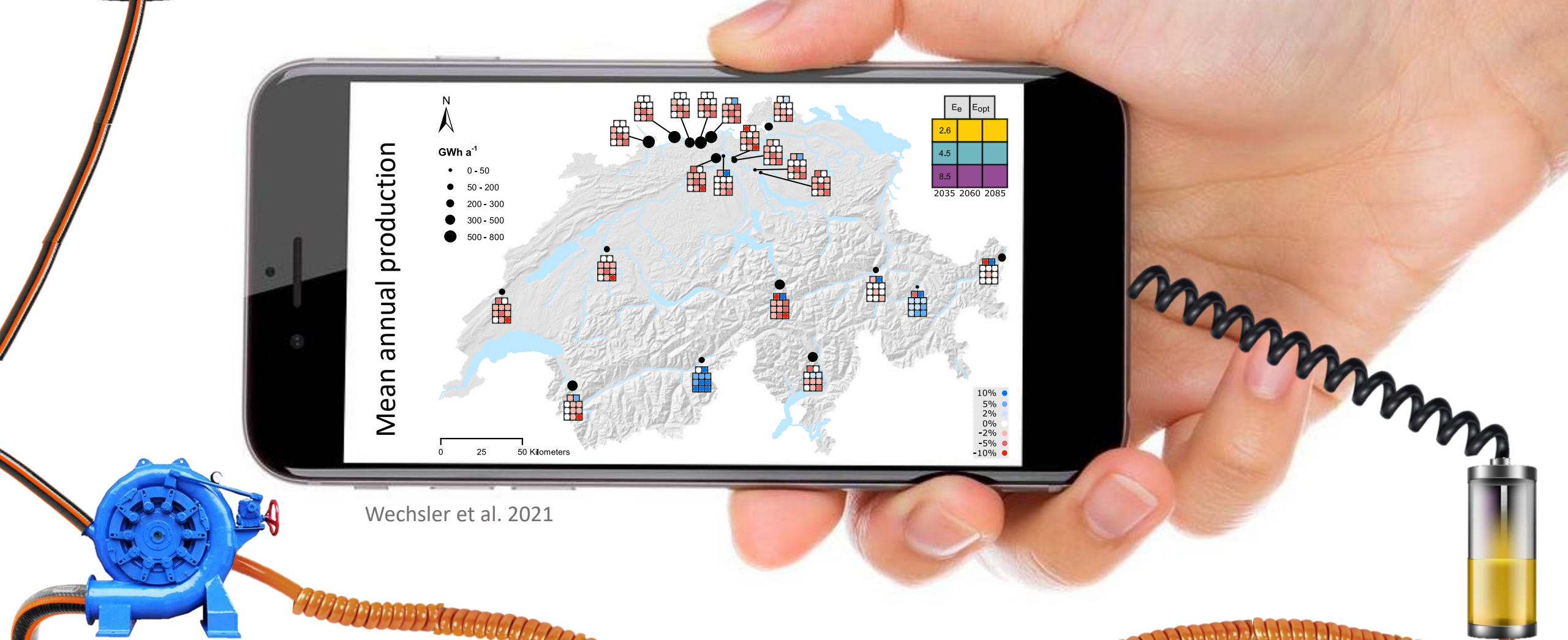
Power plant Hagneck (BKW)



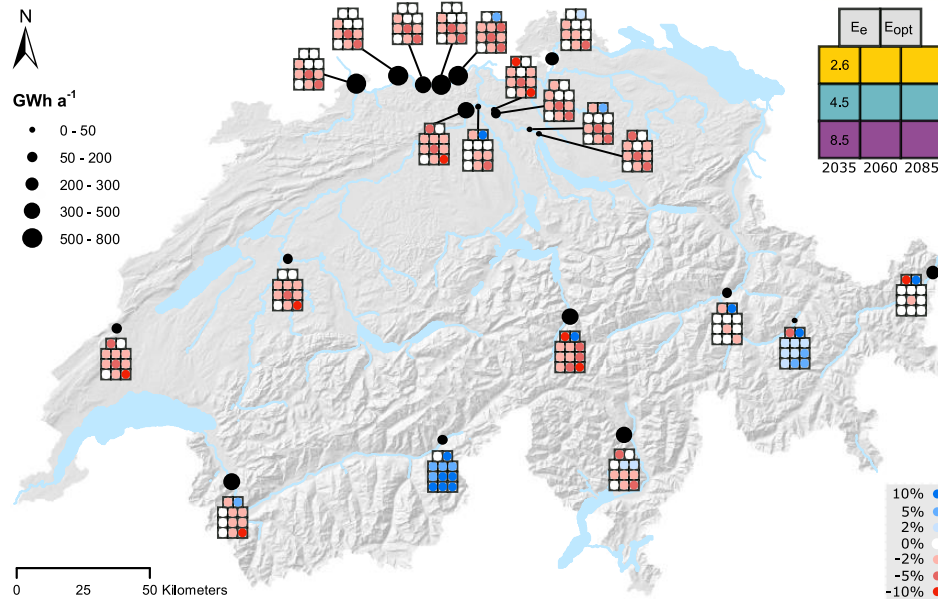


Wechsler et al. 2021

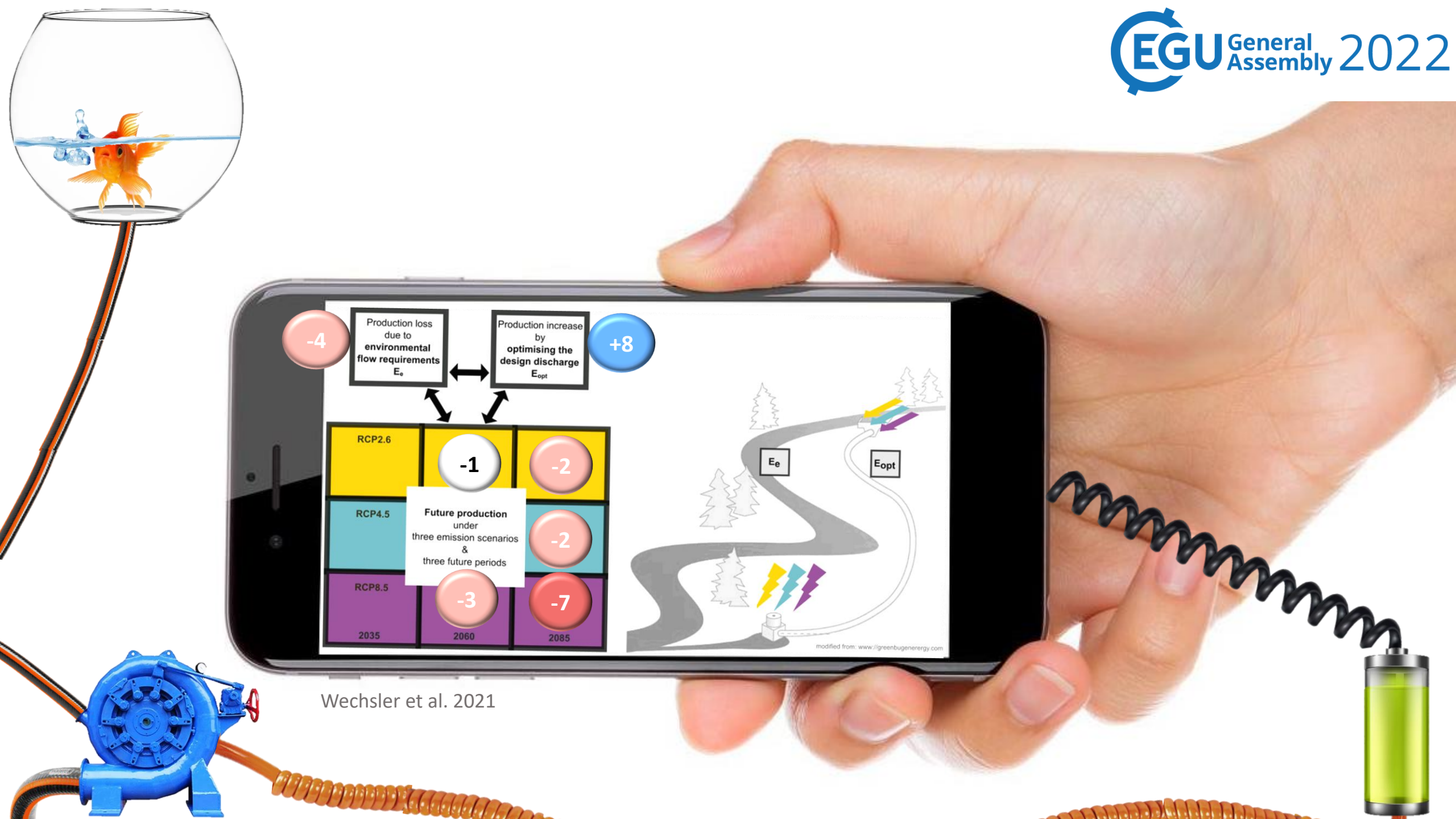




Mean annual production



Wechsler et al. 2021



Wechsler et al. 2021

A hand is holding a black smartphone. The screen displays text about references and data. To the left of the phone, there is a small illustration of a fishbowl with a goldfish and a blue pump connected by a tube. To the right, there is a green battery icon connected by a coiled black cable. At the bottom left, there is a blue pump icon connected by a coiled orange cable.

References:

The future of Swiss run-of-river hydropower production: climate change, environmental flow requirements and technical production potential:

<https://eartharxiv.org/repository/view/2852/>

Data: <https://www.envidat.ch/dataset/mr>

Climate change impact on Swiss hydropower production: synthesis report.

http://static.seismo.ethz.ch/sccer-soe/Reports/Synth_Rep_Climate_change_impact_on_Swiss_hydropower_production_lowres.pdf

Climate change impacts on Alpine hydropower in the context of environmental impacts and technical constraints

EGU22-4726



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² University of Bern



Also check out:

***Wednesday, 11:10–11:15**

Session HS1.1.2

EGU22-5738

Addressing tradeoffs beyond disciplinary borders:

HYDROpot_integral as a tool to simultaneously assess hydropower potential and ecological potential

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