



HYDRAULIC DESIGN OF SMART STORAGE FOR SMALL ALPINE RUN-OF-RIVER HYDROPOWER PLANT

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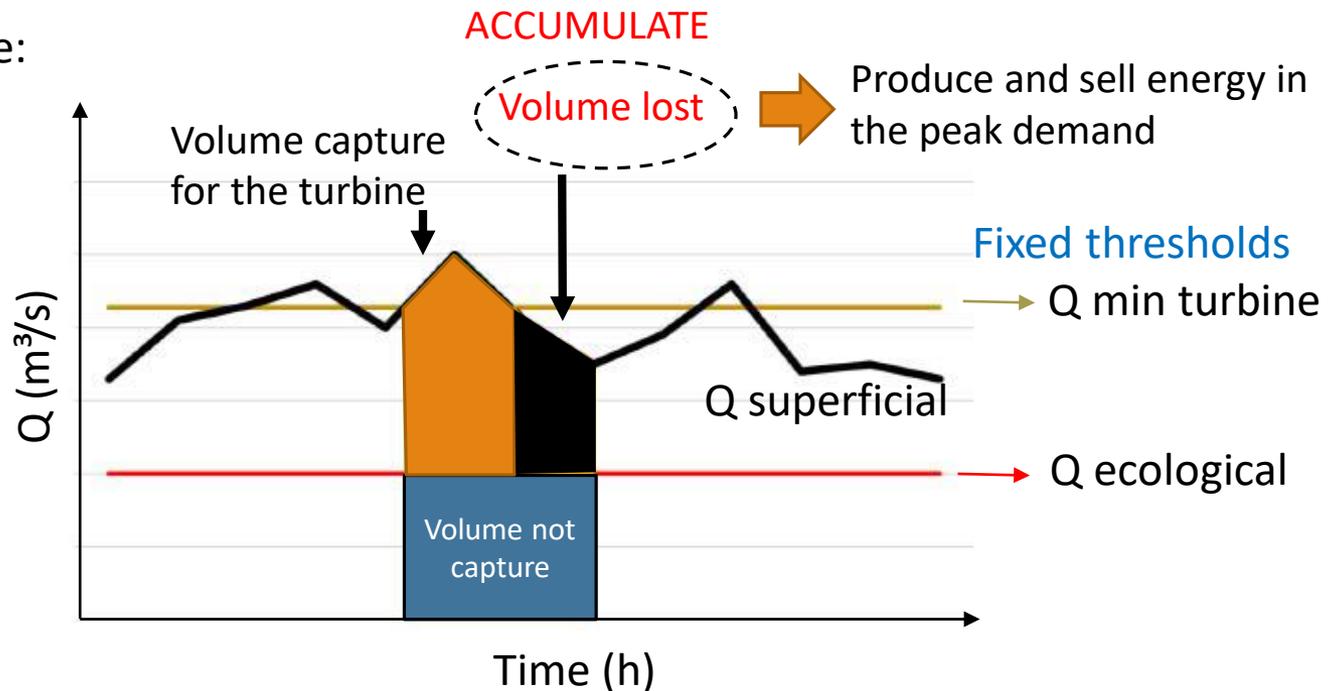
Run of-river hydropower plants



MOTIVATION

- “Smart storage” is one possibility of operation to introduce a temporal storage in a existed system using structures like the settling basin, entrance tunnel, etc.
- This project is now on evaluation under the scope of SCCER-SOE (SmallFlex project).

Example case:



Smart storage operation

- Case of study: HPP KW Gletsch-Obwerwald, Valais, Switzerland

Normal winter operation



Tyrolean Intake, September 2018
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Winter operation under “Smart storage”

