





The Future of Swiss Hydropower (HP):

Swiss Concession Renewal

Challenges and Opportunities in the current context



Renewal of HP concessions is a

imminent issue, as

discussions can take

place 15 years

In the current and coming years, a unique window of opportunity for

concession renewal is opening

However, serious challenges have

to be addressed in this renewal phase of water rights to use HP

compentency in Switzerland. As such, conditions largely vary between cantons. The maximal length of 80 years is set at the Federal level. However, some cantons chose to reduce this length down to

40 years

Long lasting infrastructure, large positive and negative impacts and high investments increase the necessity for HP to reach the highest level of sustainability

of **rent** for local communities

In Switzerland, the water fee system is imposing companies on the installed power, not on the annual power production or on the profit resulting from operation

by average yearly production

Current electricity prices and context largely limit the launch of new investments in HP in Switzerland

Necessity to ensure the highest level

HP relies on renewable
natural cycles, and might afford
large contribution to shutting
down existing fossil-fuel and
nuclear power plants

Necessity to ensure

the highest level of

sustainability in HP

plants construction,

retrofitting and future

operations

Electricity prices in Europe have drastically dropped in the recent years, leading to new tensions for new and retrofitted HP plants implementation and operation

Some contributions to those imminent challenges can be provided and are currently under research, by...

... Improving the bidding process of the concession, to ensure sustainability and rent value are taken as major criteria

... Coping with uncertainty
by increasing the
managerial flexibility of
the hydropower project

for sustainability assessment, allowing a comparable and systematic evaluation of projects The rent value assessment is largely challenged by the existence of uncertainties (eg. long term assessment, confidentiality of companies). However, underestimation of the rent value can lead to competition law infringement

Scientific literature
Voegeli, Gaudard, Hediger and Romerio
(2016), Framework for decision-making
process in granting rights to use
hydropower in the European Context.