

#### SWISS COMPETENCE CENTER for ENERGY RESEARCH SUPPLY of ELECTRICITY



Swiss Competence Centers for Energy Research Competence Center for Research in Energy, Society and Transition In cooperation with the CTI



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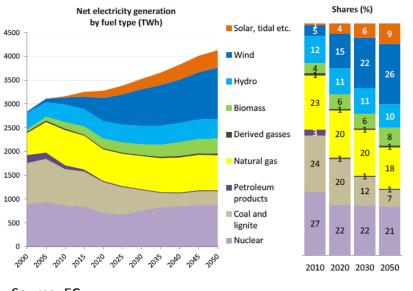
Swiss Confederation

Commission for Technology and Innovation CTI

## Socio-Economic Drivers for Swiss Hydro

SCCER-SoE Annual Conference 2016

## It's Europe, Stupid!



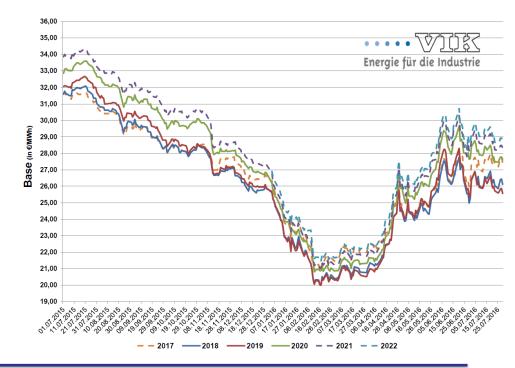
#### Source: EC

# ...and the price perspectives are bleak!



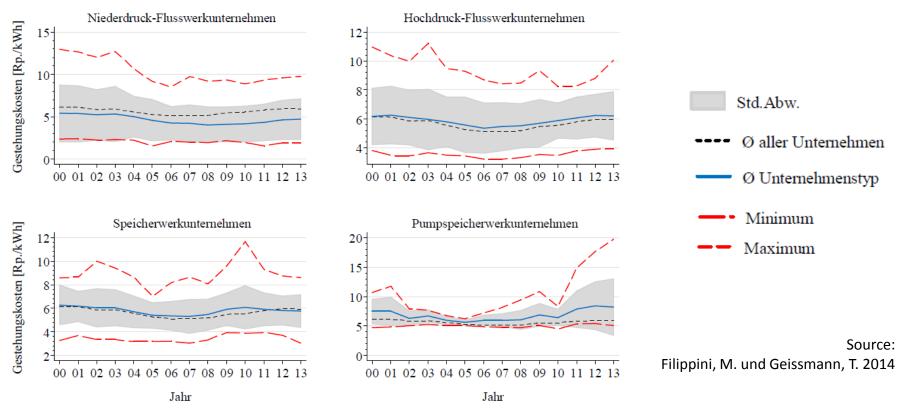
### Switzerland is a price taker

→ Economic market drivers are decided in the EU!





## ...and Switzerland's Hydro Structure

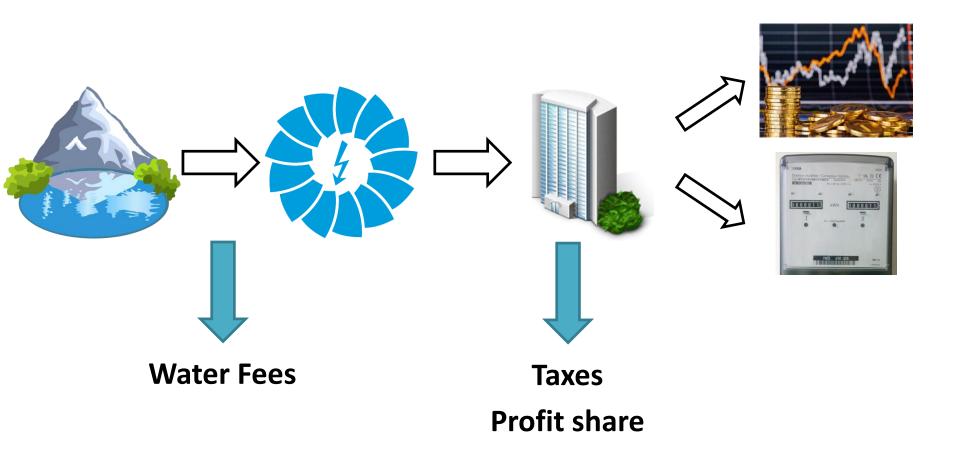


# Hydropower plants are vastly different regarding their cost situation





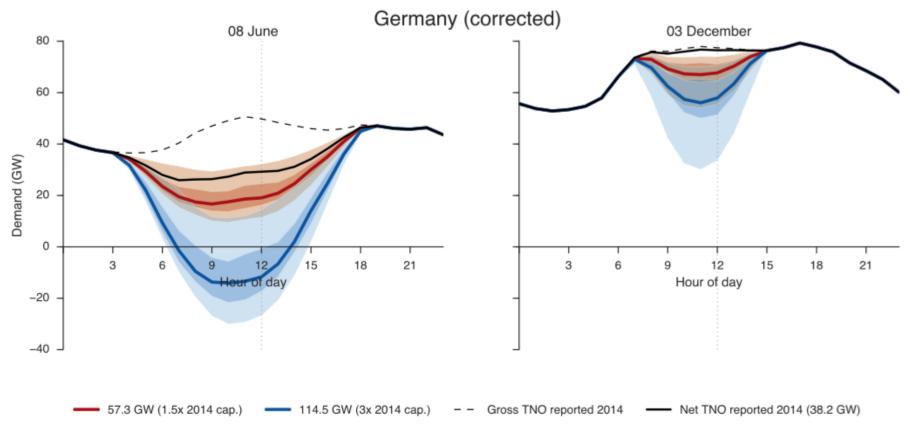
## ...and Switzerland's Cantonal Structure







## The transition is far from over ...

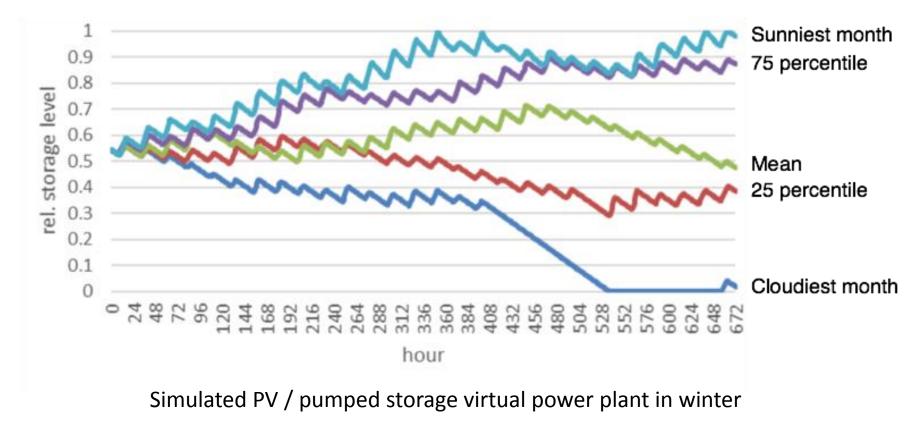


Source: Pfenninger & Staffell, 2016





## ... And design parameters are changing.

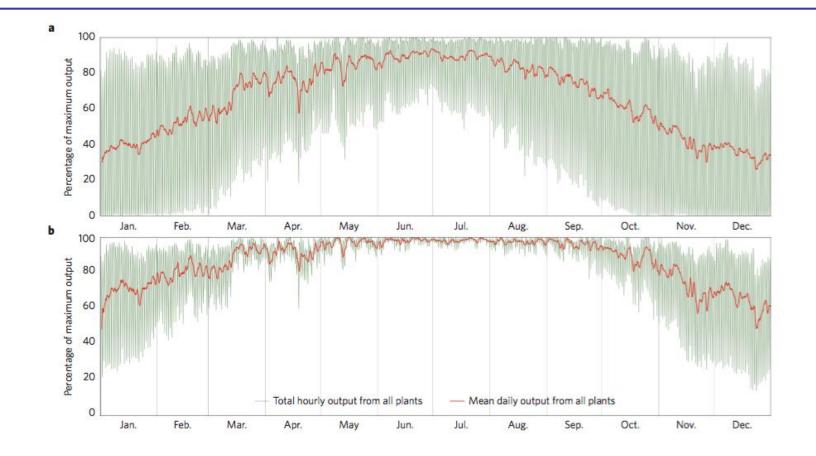


Source: Faas, 2016





## But the future isn't etched in stone ...

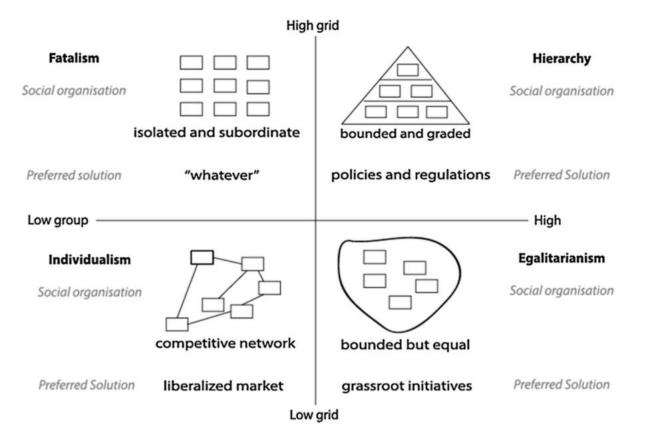


Source: Pfenninger et al. 2014





### ... and we don't even agree on where we are heading.



Source: Lilliestam and Hanger, 2016



