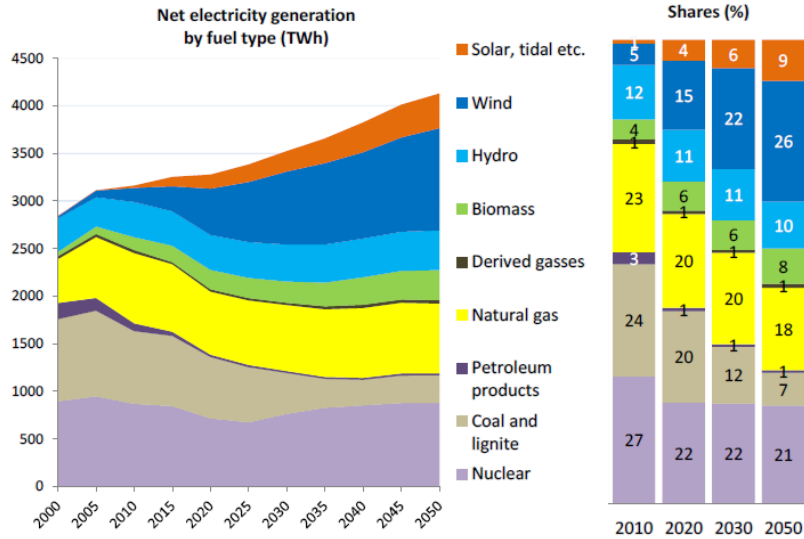




Socio-Economic Drivers for Swiss Hydro

SCCER-SoE Annual Conference 2016

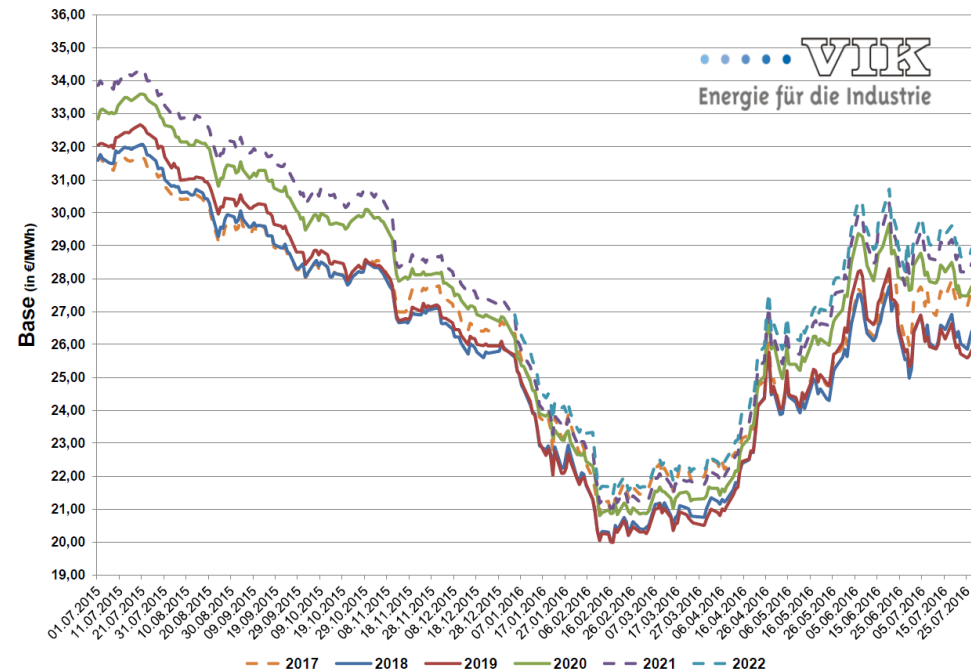
It's Europe, Stupid!



Source: EC

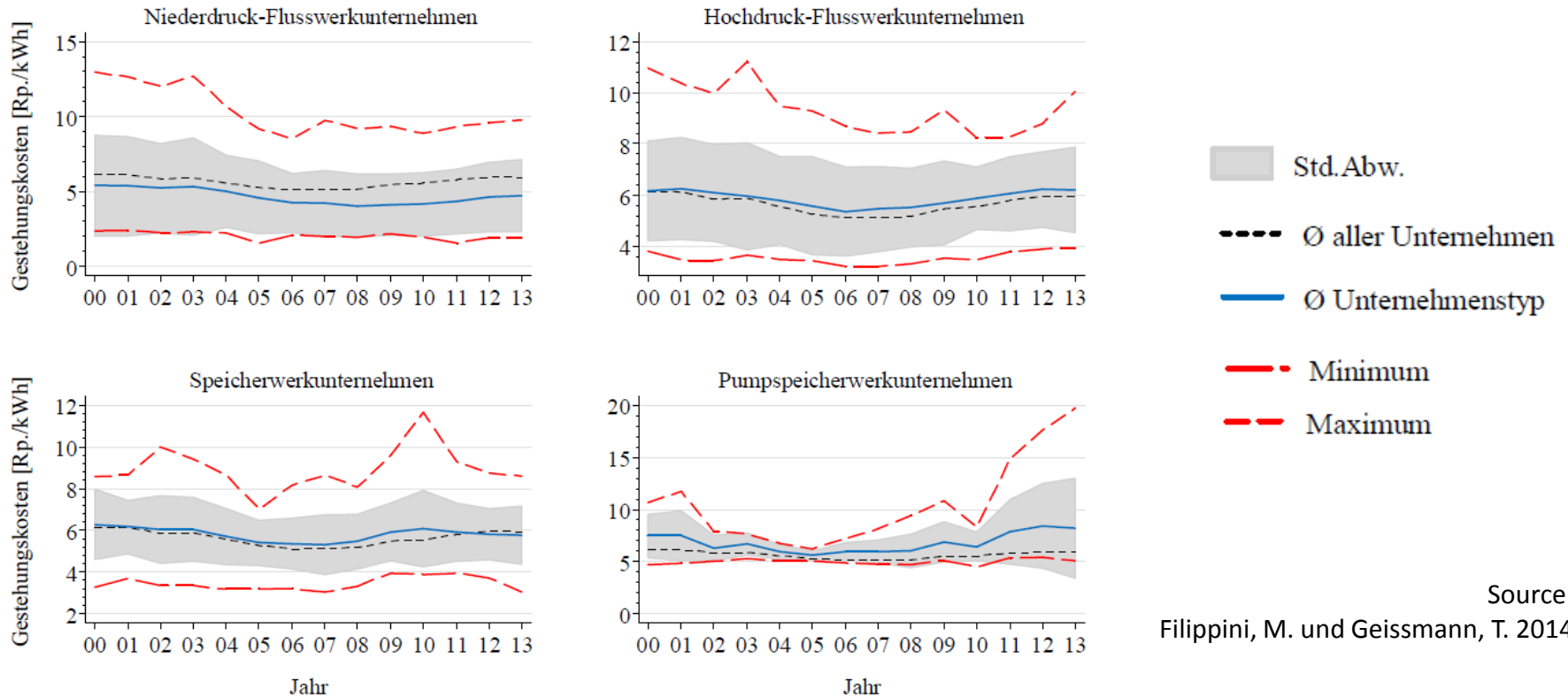
Switzerland is a price taker

→ Economic market drivers are decided in the EU!



...and the price perspectives are bleak!

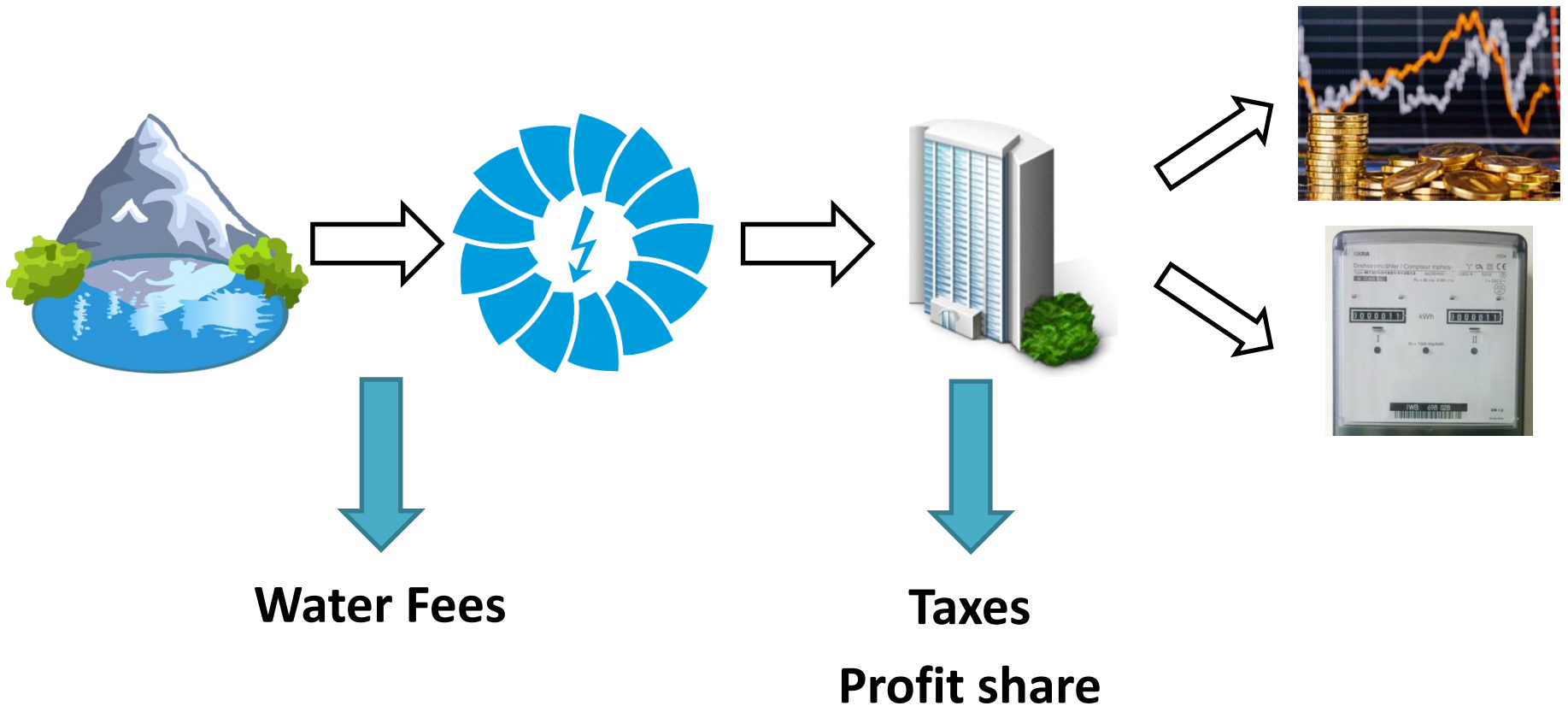
...and Switzerland's Hydro Structure



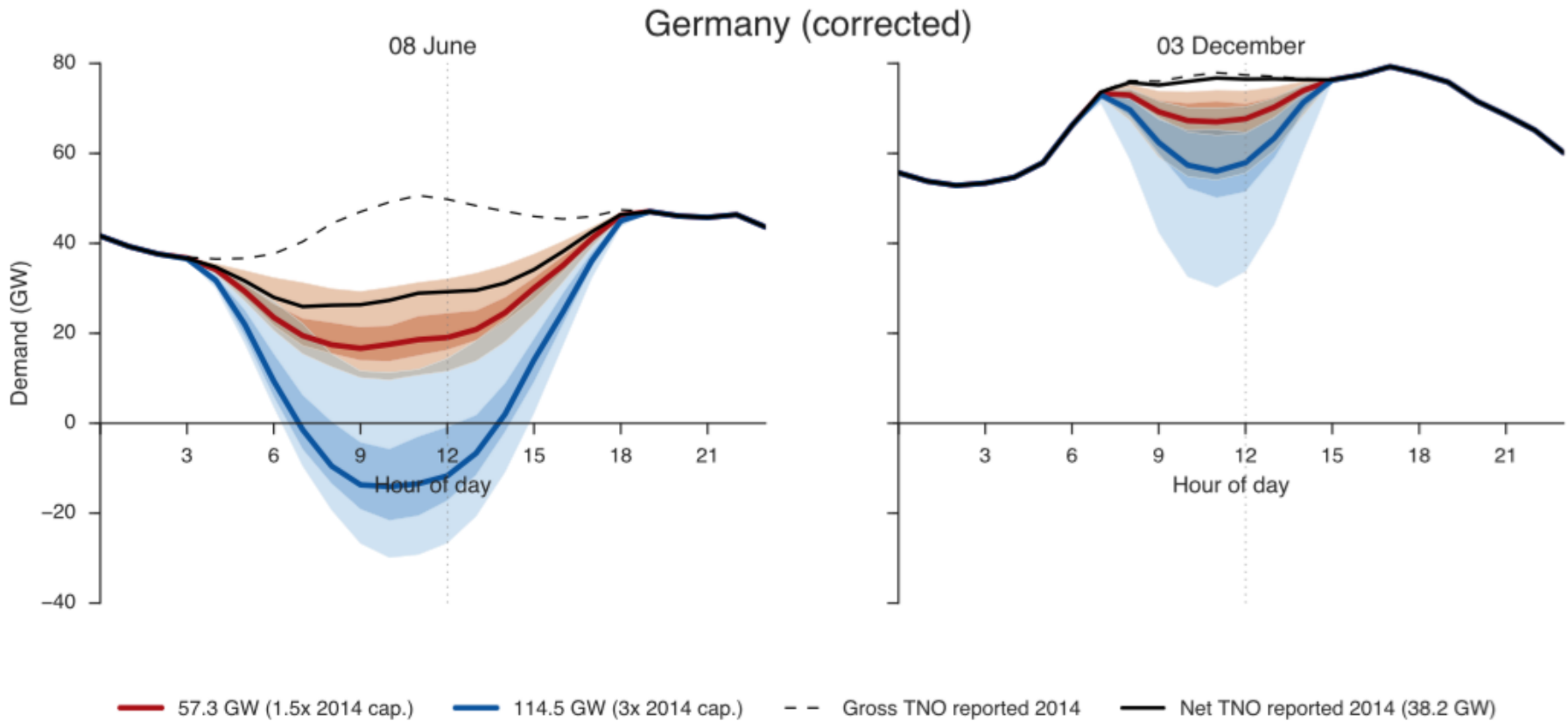
Source:
Filippini, M. und Geissmann, T. 2014

**Hydropower plants are vastly different
regarding their cost situation**

...and Switzerland's Cantonal Structure

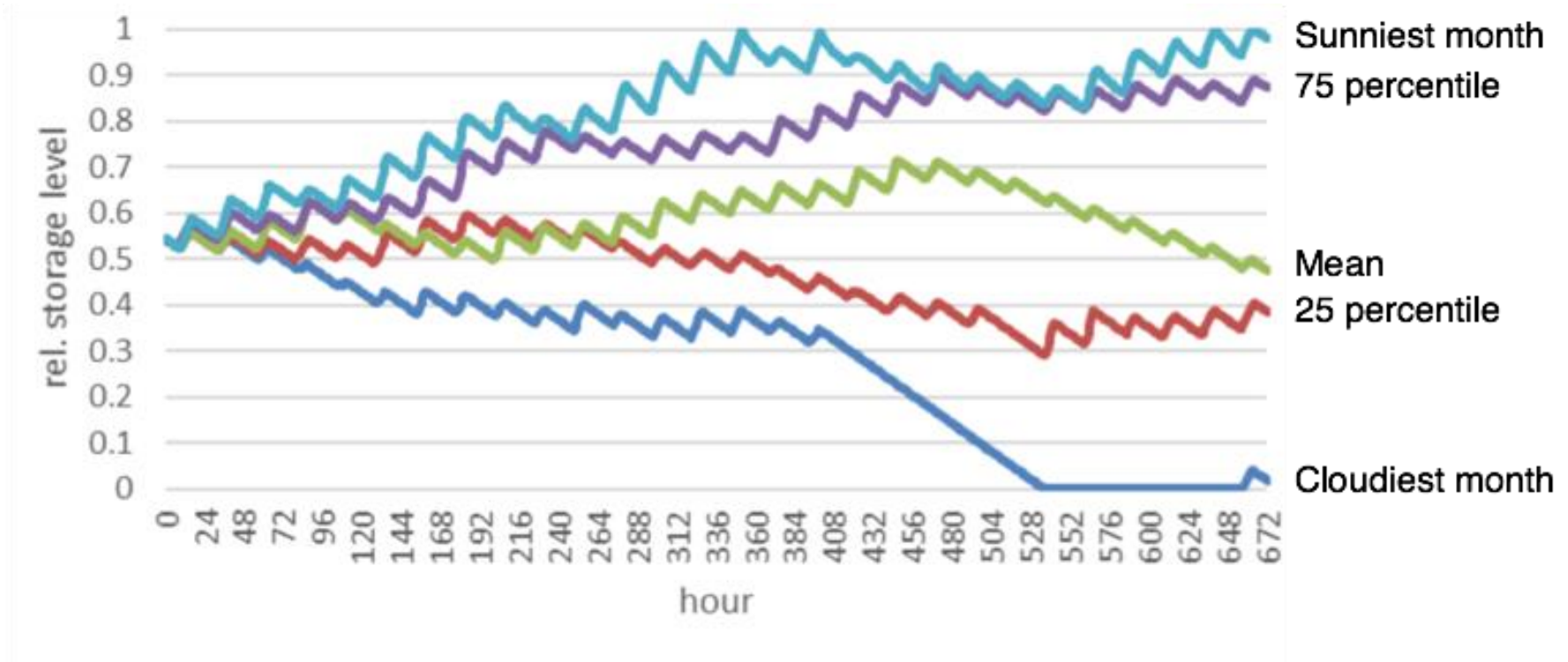


The transition is far from over ...



Source: Pfenninger & Staffell, 2016

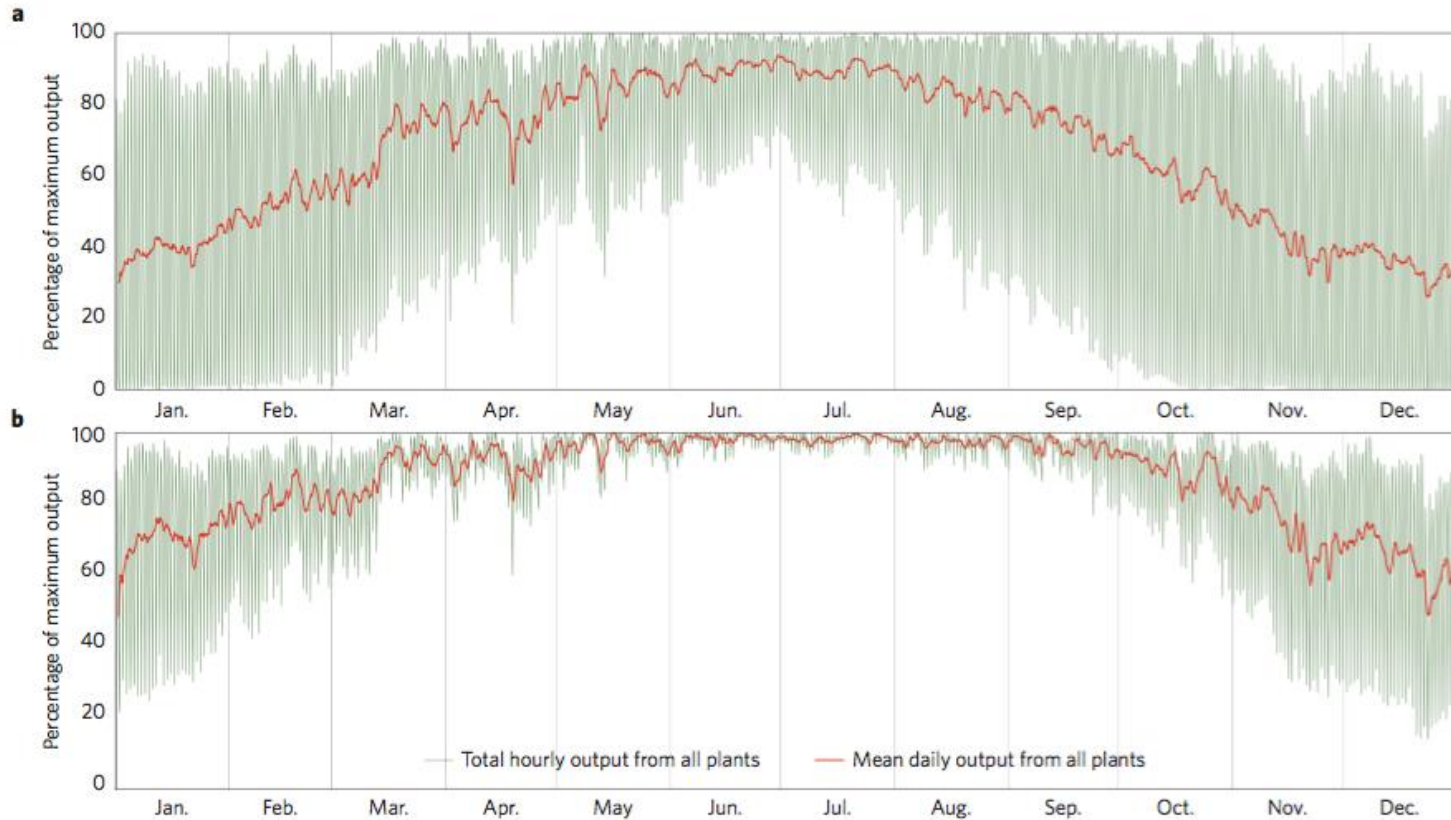
... And design parameters are changing.



Simulated PV / pumped storage virtual power plant in winter

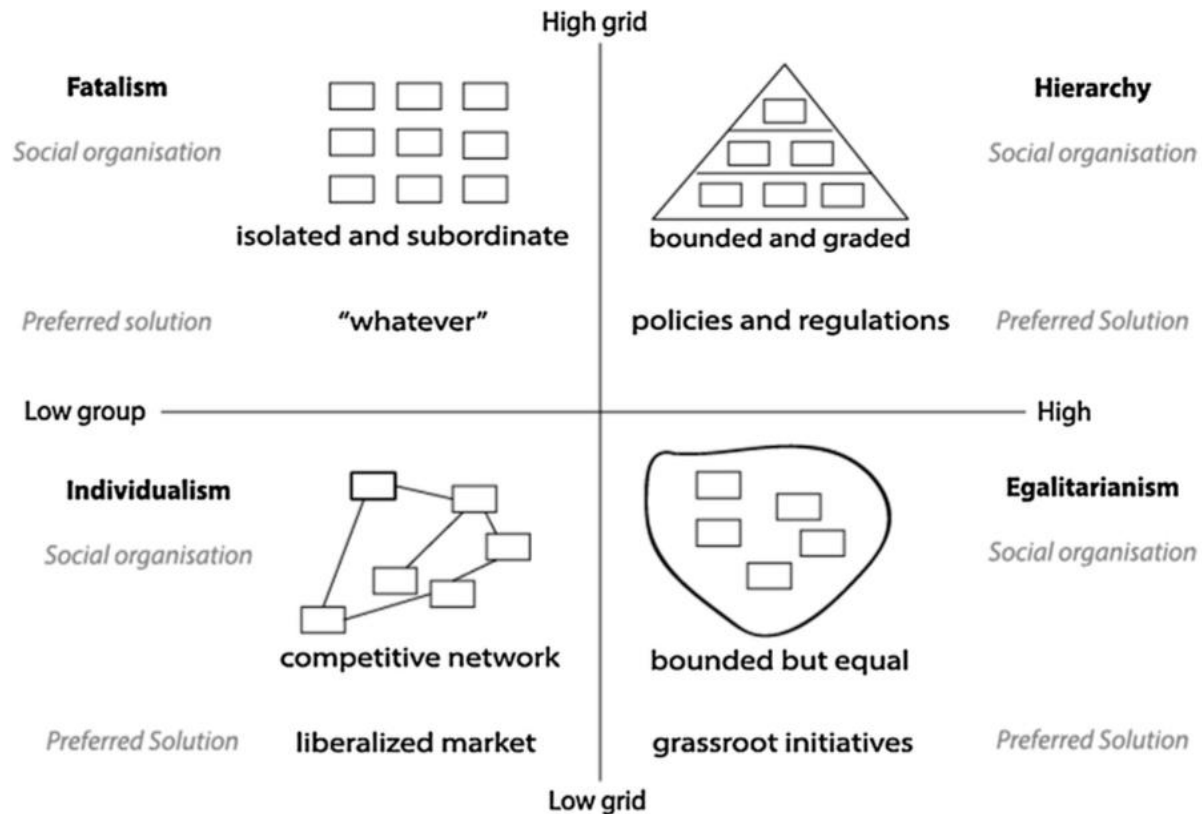
Source: Faas, 2016

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