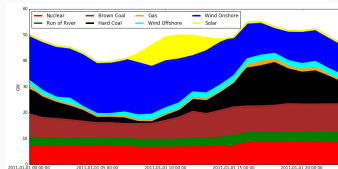


Python for Power System Analysis (PyPSA)

- Developed at Frankfurt Institute for Advanced Studies (FIAS) by Tom Brown, Jonas Hörsch and David Schlactberger for the CoNDyNet project.
- Fills missing gap between load flow software (e.g. PYPOWER) and energy system simulation software.
- Written in Python (2 & 3), using pandas, numpy, scipy, pyomo, networkx.



<http://pypsa.org/>

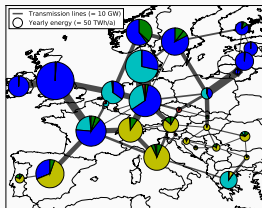
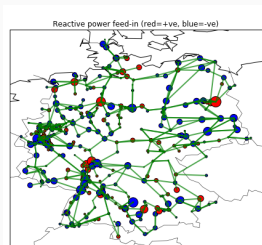
Python for Power System Analysis (PyPSA)

PyPSA does:

- Static power flow
- Linear optimal power flow
- Security-constrained linear optimal power flow
- Total electricity system investment optimisation

It has models for storage, meshed AC grids, meshed DC grids, hydro plants, variable renewables,...

<http://pypsa.org/>



PyPSA New Since Version 0.6.0: Sector Coupling

Since Version 0.6.0 there is now **sector coupling!**

Heat pumps, boilers, CHPs, battery electric vehicles; gas and heating networks as lossy transport networks.

