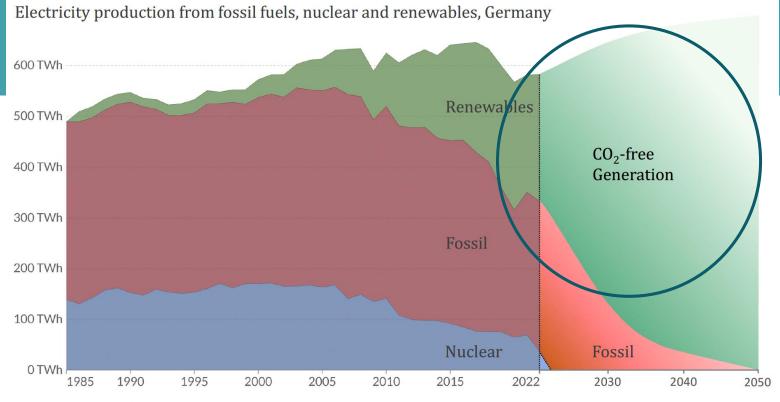
# Fast and Efficient Python Programming School



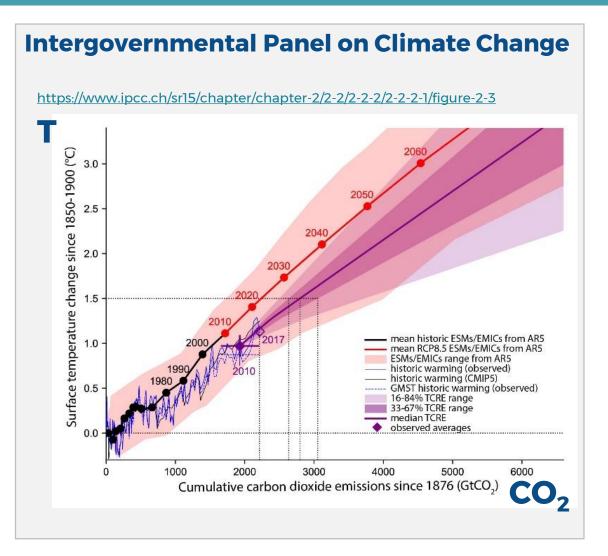
Source: Ember's Yearly Electricity Data; Ember's European Electricity Review; Energy Institute Statistical Review of World Energy OurWorldInData.org/energy • CC BY



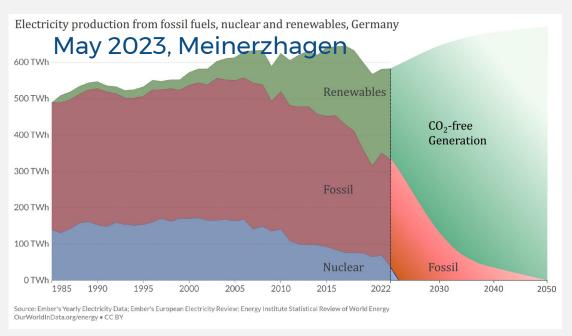
Martin Erdmann RWTH Aachen University



# Sustainability



#### **Sustainability in ErUM-Data**



#### **Portfolio of Measures**



Design software for optimized energy consumption

- renewable energy available at a given time. Develop software and middleware that can respond dynamically to the availability of
- Optimize power usage effectiveness.
  Re-use of produced heat.
  Adjust hardware lifetime considering emiss





## Promote digital transformation in physics research

# 8 research communities with 20,000 scientists

#### Community

KAT Astroparticle

KET Particle

KfB Accelerators

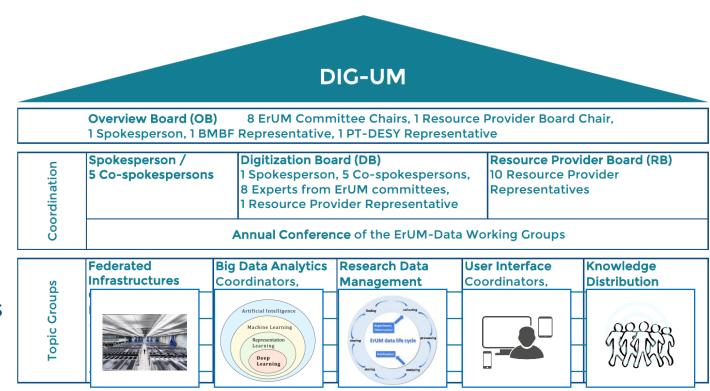
KFN Research with Neutrons

KFS Resarch with Synchrotron Radiation

KFSI Research with nuclear Probes and Ions

KHuK Hadrons and Nuclei

RDS Astronomy





## ErUM-Data-Hub: The Networking and Transfer Office

Digital Competencies

Networking

Transfer & Communication

Ministry science & education funding program "ErUM-Data"

120 M€ / 2021-2030 for project funding



Network & Transfer Office • ErUM-Data-Hub 2,5M€ / 4 years



www.erumdatahub.de



