PiAI Seminar Series: Physics informed AI in Plasma Science
10:00-11:00, 29 June 2020 (CEST:UTC+2)
17:00-18:00, 29 June 2020 (JST:UTC+9)
Web Seminar

Towards FAIR and open metadata in energy science - An overview from the low carbon energy research community and first experiences from the H2020 project EERAdata

Valeria Jana Schwanitz

Western Norway University of Applied Sciences, Norway

Data need to be findable, accessible, interoperable, and reusable, see the FAIR guiding principles put forward by Wilkinson et al. 2016. Enabling machine-actionability is in particular important when aiming at the deployment of large scale data coming from a variety of sources and in different formats. Machine-actionable metadata is pivotal in this regard. The talk presents current approaches taken in the low carbon energy research community towards developing a FAIR and open data ecosystem. First experiences and lessons learned from the EU Horizon 2020 project "EERAdata" on metadata standards are discussed and the way forward is sketched.

References:
- Wilkinson, M., Dumontier, M., Aalbersberg, I. et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci Data 3, 160018 (2016). https://doi.org/10.1038/sdata.2016.18
- H2020 EERAdata - website (from 03/06/2020), project wiki.