Earth System Sciences (ESS)
- Highly interdisciplinary
- Insufficient knowledge of the appropriate sources
- FAIRness is not the rule
- Many manual processes

The use of terminologies improves FAIRness. If you want to know more about terminologies and what they are used for, visit the poster X2.42.

Terminology Service for ESS
- Improvement of data search
- Machine-processable FAIR Digital Objects
- Mapping and reuse of semantic artifacts
- Support for data stewards

Progress
- In total, about 200 terminologies, 190 ontologies, more than 900000 terms are processed and available online
- Collection of 35 terminologies relevant to ESS
- Current task: Improve search quality with a reverse dictionary, assign PIDs to terminology, etc.

Next goals
- DKRZ: Integration with the WDCC repository
- SGN: Improving the collection FAIRness and machine based processability. Providing machine actionable Digital Specimens

Key Service
- Terminologies, specifically for RDF and OWL
- Access for humans and machines
- Metadata management
- Visualization of semantic artifacts

Meet us
at the NFDI4Earth Plenary, Dresden, May 22th Workshops for Terminologies in Earth System Science
- Part 1, 13:30 - 15:00: State of the Art and Existing Applications
- Part 2, 15:30 - 17:30: Gaps and Desired Applications

What are your Terminology Service Needs?