The Norwegian Scientific Data Network, a distributed electronic research infrastructure

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The Norwegian Scientific Data Network (NorDataNet) is a national e-infrastructure building on the legacy of the International Polar Year. Initially it is focusing on geoscience and establishing interoperability interfaces between existing national data repositories in the areas of discovery metadata and data as well as on harmonised data documentation following the FAIR guiding principles. The technical foundation of NorDataNet is built on data documentation standards, standardised interoperability interfaces and semantic resources. This is now in place and preliminary functionalities are available. These includes the ability to discover and access datasets across the data repositories integrated, as well as visualisation and transformation of datasets served using the requested documentation standards and interfaces. Bottlenecks and achievements while working towards FAIR compliant data and data centres interoperability will be presented.