The EPOS-NL Research infrastructure

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EPOS-NL is the Netherlands National Research Infrastructure (NRIs) within the European Plate Observing System (EPOS). The European Plate Observing System is a long-term plan for the integration of research infrastructures for solid Earth Science in Europe with a principle focus on geophysical infrastructure. With its innovative e-science platform, EPOS will simplify and streamline access to multidisciplinary data, products and services for solid Earth sciences. EPOS is an ESFRI Research Infrastructure, currently in its final year of the Implementation Phase, funded under the H2020 Framework Programme. EPOS-NL will integrate all national geophysics facilities in the Netherlands into a coherent research infrastructure and develop new research facilities and state of the art open access data repositories. EPOS-NL facilities will include 1) system-scale natural laboratories such as the KNMI Groningen gas field seismic network and the DAPwell geothermal deep well and 2) integrated laboratories such as the Earth Simulation laboratory at UU and a new distributed facility for Multi-scale imaging and tomography of geo-materials based at UU and TUD. The new research infrastructure will be established in 2019-2020 and will support multi-scale, multi-physics research in geo-energy, geo-storage and geo-hazards.