



## **The German IHY ‘Sun and Ionosphere MONitoring NETwork’ (SIMONE)**

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The German ‘Sun and Ionosphere MONitoring NETwork’ (SIMONE) is a national network of radio wave receivers in the framework of the University Stanford’s International Space Weather Monitor Program. The SID (Sudden Ionospheric Disturbance) Monitors operated by a cluster of High Schools in Northern Germany detect solar-terrestrial impacts on radio wave propagation caused by flares, coronal mass ejections (CMEs) and thunderstorms. SIMONE is led as a unique collaboration of the Universities of Göttingen and Neubrandenburg, the Neustrelitz Institute for Communication and Navigation and School\_Lab Göttingen and Neustrelitz of the German Aerospace Center, the Planetarium Hamburg and Astrium/Friedrichshafen as industrial partner. The individual project partners provide unique educational, science, technical and public relations expertise and support. The prime goals of the project are to facilitate research experiences and knowledge at High Schools in the complex field of solar-terrestrial relations and Space Weather through installation, operation and analysis of a unique set of ground-based measurements in context with real-time space observations of conditions at the Sun, geospace and ground. The SIMONE High School Team are guided by individual teachers. The data are archived nationally through the German Space Agencies Institute in Neustrelitz and distributed internationally through Stanford University. This presentation provides an overview of the project structure

and goals and a summary of first results.