CAWSES Related Projects in Japan : Grant-in-Aid for Creative Scientific Research "Basic Study of Space Weather Prediction" and CHAIN (Continuous H Alpha Imaging Network)

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The Grant-in-Aid for Creative Scientific Research of the Ministry of Education, Science, Sports, Technology, and Culture of Japan "The Basic Study of Space Weather Prediction" (PI: K. Shibata, Kyoto Univ.) has started in 2005 as 5 years projects with total budget 446Myen. The purpose of this project is to develop a physical model of solar-terrestrial phenomena and space storms as a basis of space weather prediction, by resolving fundamental physics of key phenomena from solar flares and coronal mass ejections to magnetospheric storms under international cooperation program CAWSES (Climate and Weather of the Sun-Earth System). Continuous H Alpha Imaging Network (CHAIN) Project (led by H. Kurokawa) is a key project in this space weather study, enabling continuous H alpha full Sun observations by connecting many solar telescopes in many countries through internet, which provides the basis of the study of space weather prediction.