Recent activity of DOI-minting to solar-terrestrial physics data

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Data-DOI, data publication, and data citation will promote "Open Science". Recognizing their importance, solar-terrestrial physics (STP) data centers in Japan have been working to mint DOI to their database. We participated from October 2014 in a 1-year pilot program for DOI-minting to science data launched by Japan Link Center, which is one of the DOI registration agencies. In the pilot program, a procedure of the DOI-minting for STP data was established. As a result of close collaboration with Japan Link Center, the first case of data-DOI in Japan (doi:10.17591/55838dbd6c0ad) was created in June 2015. The first case of data citation in Japan was also made. As of February 2017, there are 16 data-DOIs for the STP data in Japan. In the International Association of Geomagnetism and Aeronomy (IAGA), STP domain scientists who are working for data centers or observatories started discussion about DOI-minting to their data and a task force was formed in August 2013. The next IAGA (joint) assembly that will be held at Cape Town in August 2017 provides a special session entitled "The referencing of geophysical data products: The role of DOIs". The international effort will be continued for DOI-minting to scientific data in STP.

