

[JJ] Evening Poster | M (Multidisciplinary and Interdisciplinary) | M-GI General Geosciences, Information Geosciences & Simulations

[M-GI29]Introduction to Great Debate: Current status of open data & open science (for Japanese audience)

convener: Atsushi Higuchi (Center for Environmental Remote Sensing (CEReS), Chiba University, Japan), Yasuhisa Kondo (Research Institute for Humanity and Nature)

Wed. May 23, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

Open Science is growing up as a new paradigm to accelerate scientific innovation. In addition to importance of open data in Geoscience, here we will overview current status and future perspectives of open data and science in and around Japan.

[MGI29-P02]“Crowd science” with citizen supporters through Kyoto Open Science Activities

*Yuko Ikkatai¹, Eiri Ono², Hiroko Uda², Takashi Hamaji², Teruaki Enoto² (1.The University of Tokyo, 2.Kyoto University)

Keywords: Open science, Crowd science, Citizen supporter, Motivation

The open science is an umbrella term spanning various concepts of open data, open access, and collaborative work as coined by OECD. In 2016, we launched “Kyoto Open Science (KOS) Meetup” as a forum to share and discuss open science activities in Japan covering both researchers and citizen supporters. The KOS Meetup is aiming to exploring the collaborative work between researchers and citizen supporters. We called “crowd science”, as one of the collaborative research styles where the recent advancement of information and communication technology becomes essential to connect them. For a previous well-known example, volunteer citizens classified many galaxy images on the Internet in Galaxy Zoo (Raddick et al., Physical Review Physics Education Research, 2007). Main activities of our KOS Meetups consist of monthly meetings (already 18 events) and annual workshops (three workshops so far since 2016). We have invited various guests who has been involved in crowd science projects, such as researchers, crowd science project organizers and university administrators, covering a wide range of topics (e.g. weather observation, environmental radiation monitoring, transcription of old documents, and slug hunting). They provided ideas for good collaborative activities between researchers and citizen supporters. The meeting also serves as a place for establishing lateral connections among active practitioners in the open science field. Our annual workshops, which consisted of talks and hand-on activities, aims to enhance participation of wide range of citizen supporters in crowd science projects. Based on our activities, we found that “location”, “content” and “method” are key factors to make citizens motivated (Ono, Ikkatai, and Enoto, IIAI-AAI, 2017) and their motivations to participate in the crowd science varied depending on ages. At our poster presentation, we will introduce the various open science activities in Japan presented at the KOS Meetups.