

## International Earth Science Olympiad from the viewpoint of Future Earth

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When considering the Future Earth-sustainable Earth, it is important to know the whole Earth and the international cooperation. As the study of the whole Earth is Earth Science, we consider International Earth Science Olympiad (IESO) which is the international competition for high school students from the viewpoint of Future Earth.

IESO was hold on 2007 (Korea), 2008(Philippine), 2009(Taiwan), 2010(Indonesia), 2011(Italia), 2012(Argentina) and 2013(India). In 2016, we will have IESO at Mie.

### 1) International Team Field Investigation (ITFI)

ITFI is the typical event which is not existed on other science Olympiads. This event is the presentation event after high school students from other countries investigated some subjects with international cooperation. At this event, communication language is English and sometimes subjects of this investigation include the regional social life. This experience will guide the consideration of Future earth to students in future.

### 2) Increase of participating countries

Participating countries were increased from about 6 (2007,2008) to over 20 (2011-). One of the reason might be due to the understanding the importance of Earth Science for Future Earth.

### 3) Examination questions at IESO

At present, questions are consisting from three disciplines; Geology and Solid Earth, Metrology and Oceanology, Astronomy. However, members of IESO want to include multidisciplinary questions which are important for considering Future Earth. At 2016 IESO at Mie, we want include these examination questions aggressively.

### 4) Japan Earth Science Olympiad (JESO)

The half of students for participating the JESO will enter the universities of art divisions and 30% of students are girls. This fact is good for consideration of Future Earth because many peoples, not scientist, have basic earth science knowledge. However, it is regret that more high school students study another science curriculum than earth science.

I think that it is very important for Future earth to learn Earth Science and to join the Earth Science Olympiad.

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