

# Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



PEM006-15

会場:101

時間:5月25日 16:30-16:45

## Introduction of Various CAWSES-II / Capacity-Building Activities of Japan Introduction of Various CAWSES-II / Capacity-Building Activities of Japan

上野 悟<sup>1\*</sup>, 湯元 清文<sup>2</sup>, 巻田 和男<sup>3</sup>, 宗像 一起<sup>4</sup>, 水野 亮<sup>5</sup>, 津田 敏隆<sup>6</sup>

Satoru UeNo<sup>1\*</sup>, Kiyohumi Yumoto<sup>2</sup>, Kazuo Makita<sup>3</sup>, Kazuoki Munakata<sup>4</sup>, Akira Mizuno<sup>5</sup>, Toshitaka Tsuda<sup>6</sup>

<sup>1</sup> 京都大学・理・附属天文台, <sup>2</sup> 九州大学・宙空環境研究センター, <sup>3</sup> 拓殖大学・工学部, <sup>4</sup> 信州大学・理学部, <sup>5</sup> 名古屋大学・太陽地球環境研究所, <sup>6</sup> 京都大学・生存圏研究所

<sup>1</sup>Kwasan & Hida Observatories, Kyoto Univ., <sup>2</sup>SERC, Kyushu Univ., <sup>3</sup>Faculty of Engineering, Takushoku Univ., <sup>4</sup>Faculty of Science, Shinshu Univ., <sup>5</sup>STE-Lab. Nagoya Univ., <sup>6</sup>RISH, Kyoto Univ.

In this talk, we introduce various capacity-building activities of Japanese observation-network projects that have been led by Japanese domestic members of CAWSES-II Capacity-building group.

Makita et al. are promoting SARINET project whose objective is to examine the environment of the upper atmosphere in the Geomagnetic Hole (GH) around South America by using imaging Riometers (IRIS) and 1ch Riometers. They have performed cooperative research with Brazilian students of Santa Maria University and technical meetings with related universities.

Munakata et al. are promoting GMDN project in order to identify the precursory decrease of cosmic ray intensity that takes place more than one day prior to the Earth-arrival of shock driven by an interplanetary coronal mass ejection, through the cooperation with USA, Australia, Brazil, Kuwait, Armenia and Germany.

Mizuno et al. are promoting NDACC project that aims to investigate composition's change of middle atmosphere and elucidation of the mechanism by expanding lidar-observation network mainly in Argentina.

Tsuda et al. are promoting "Ground-based Atmosphere Observation Network in Equatorial Asia" in which they are doing internationally collaborated researches on the behavior of the equatorial atmosphere and ionosphere in tropical Asia by using ground-based and satellite observations, so that the scientific North-South problem will be improved.

Keywords: SCOSTEP, CAWSES-II, Capacity Building, ground-based observation network