

# **IADC WG1 status report**

## **-KARI-**

**2023. 6. 12.**

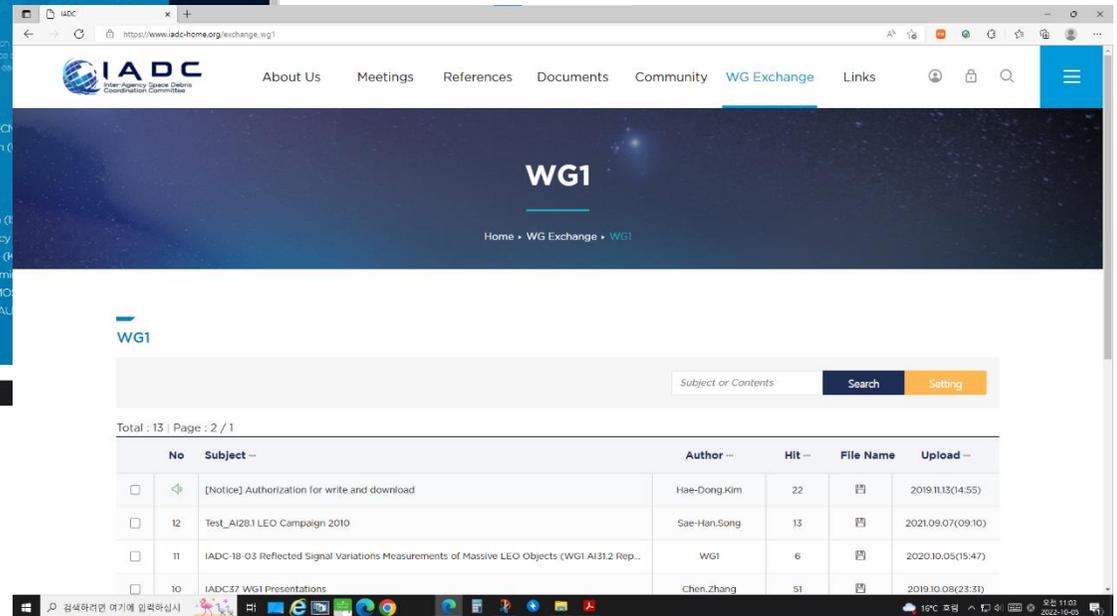
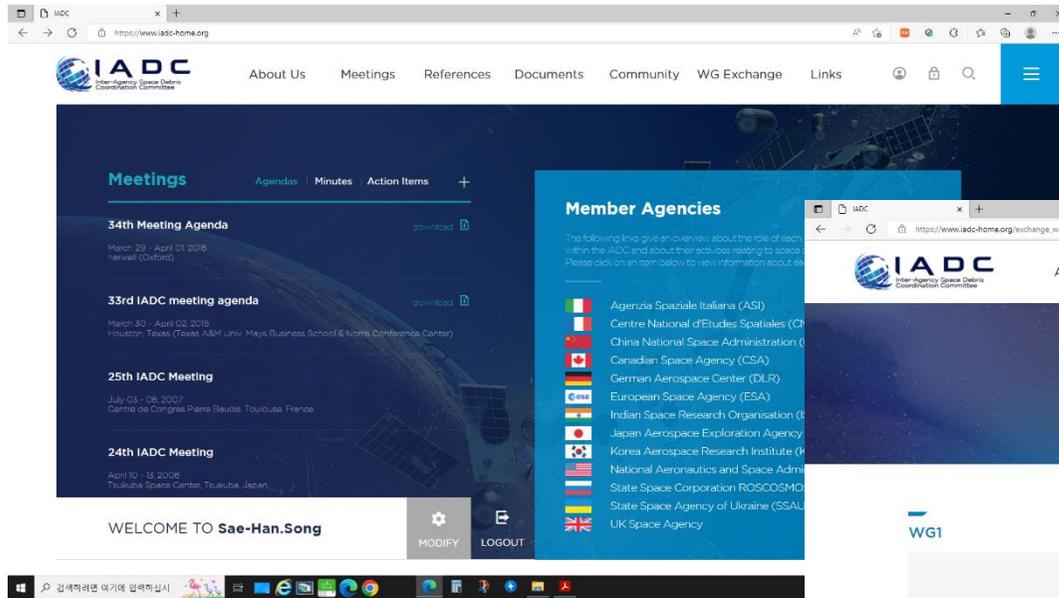
**Saehan Song**

**SSA Research Office**

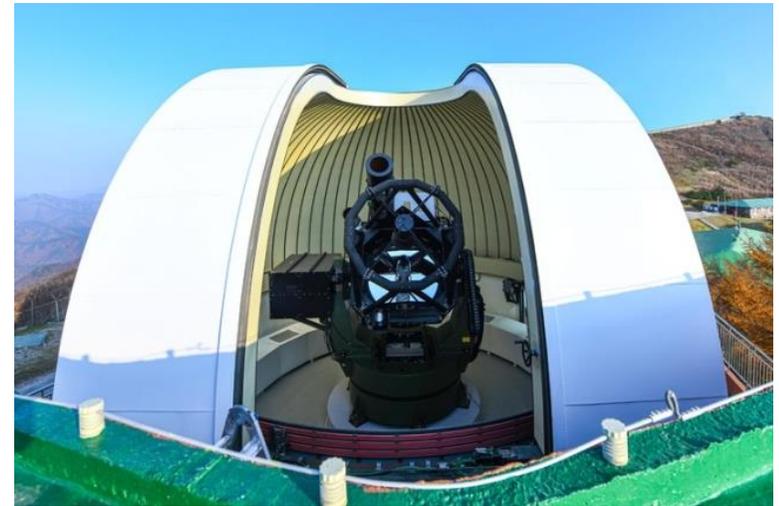
- **Saehan Song, Research engineer of SSA Research Office**
  - Responsible for operations of receiving observation data, satellite data
  - “Measurement”-related research

- **IADC Homepage management and modification(2020 ~ )**

- Manage and maintain the IADC Homepage since 2020
- Perform a maintenance on WG1 Exchange area for uploading documents including WG1 minutes



- **Cooperation with domestic institute and military**
  - Conduct a campaign with KASI(OWL-NET)
    - **Request a tracking and receive results for secondary objects approaching to our satellites**
    - **5 optical observation sites**
  - Conduct a campaign with newly built Korea Air Force's EOSS(Electro Optical Satellite surveillance System) for secondary objects which close to our satellites
    - **Request a tracking for secondary objects approaching to our satellites**
    - **4 observation sites in Korean peninsula**



- **Cooperation with private companies(LEOLabs, ShareMySpace)**
  - Leolabs
    - Request a tracking with Radar/orbit information of space debris approaching our satellite
  - SMS
    - Request a tracking/orbit information of space debris approaching our satellite
    - Request a observation/tracking for space debris of interest and receive the results
    - Plan an attitude analysis for our satellite

- **Discussion on cooperation with other institute/private company**
  - KASI(OWL-NET, Optical telescope)
  - Korea Air Force(EOSS, Optical telescope)
  - Leolabs
  - ShareMySpace
- **Discussion on participation of KASI as a member of WG1**
  - Discussing the possibility of participation of KASI as an observer for the upcoming meeting

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 Thank You



Korea Aerospace Research Institute  
SSA Research Office

