

# **IADC WG1 status report -KARI-**

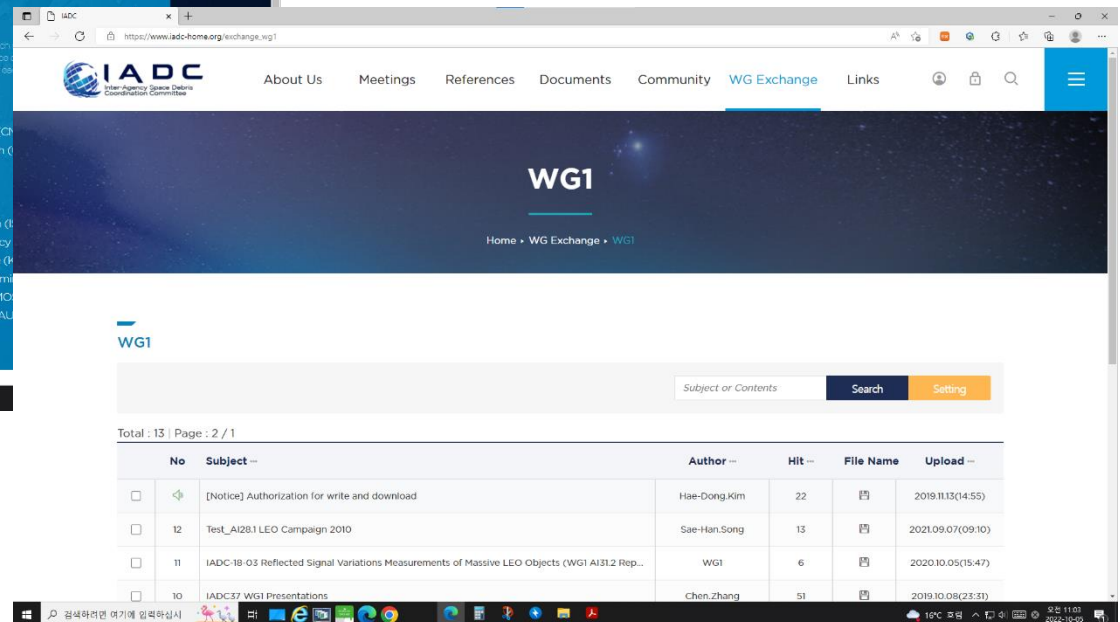
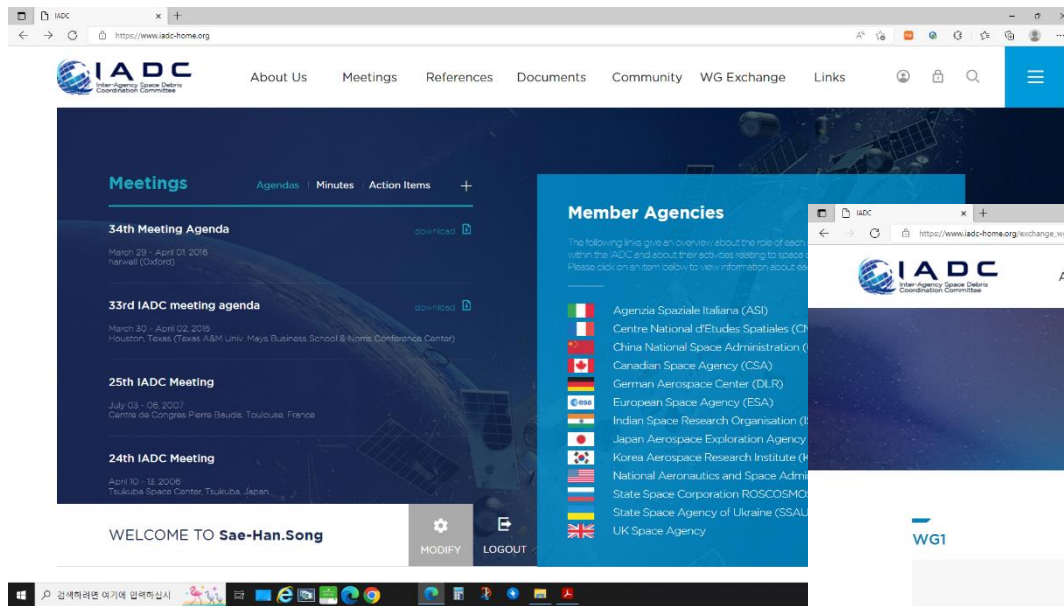
**2023. 6. 12.**

**Saehan Song**

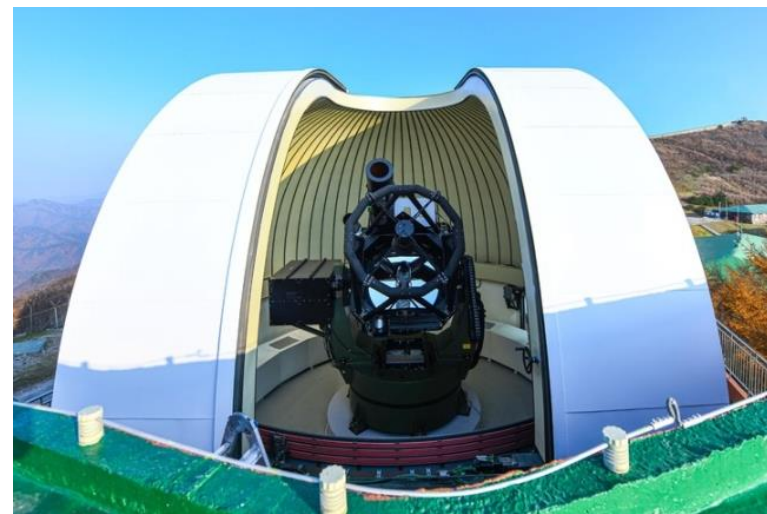
**SSA Research Office**

- **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

---



# Thank You



Korea Aerospace Research Institute  
SSA Research Office

