

## EXCURSION

### German Aerospace Center (DLR) Oberpfaffenhofen

January 23, 2015



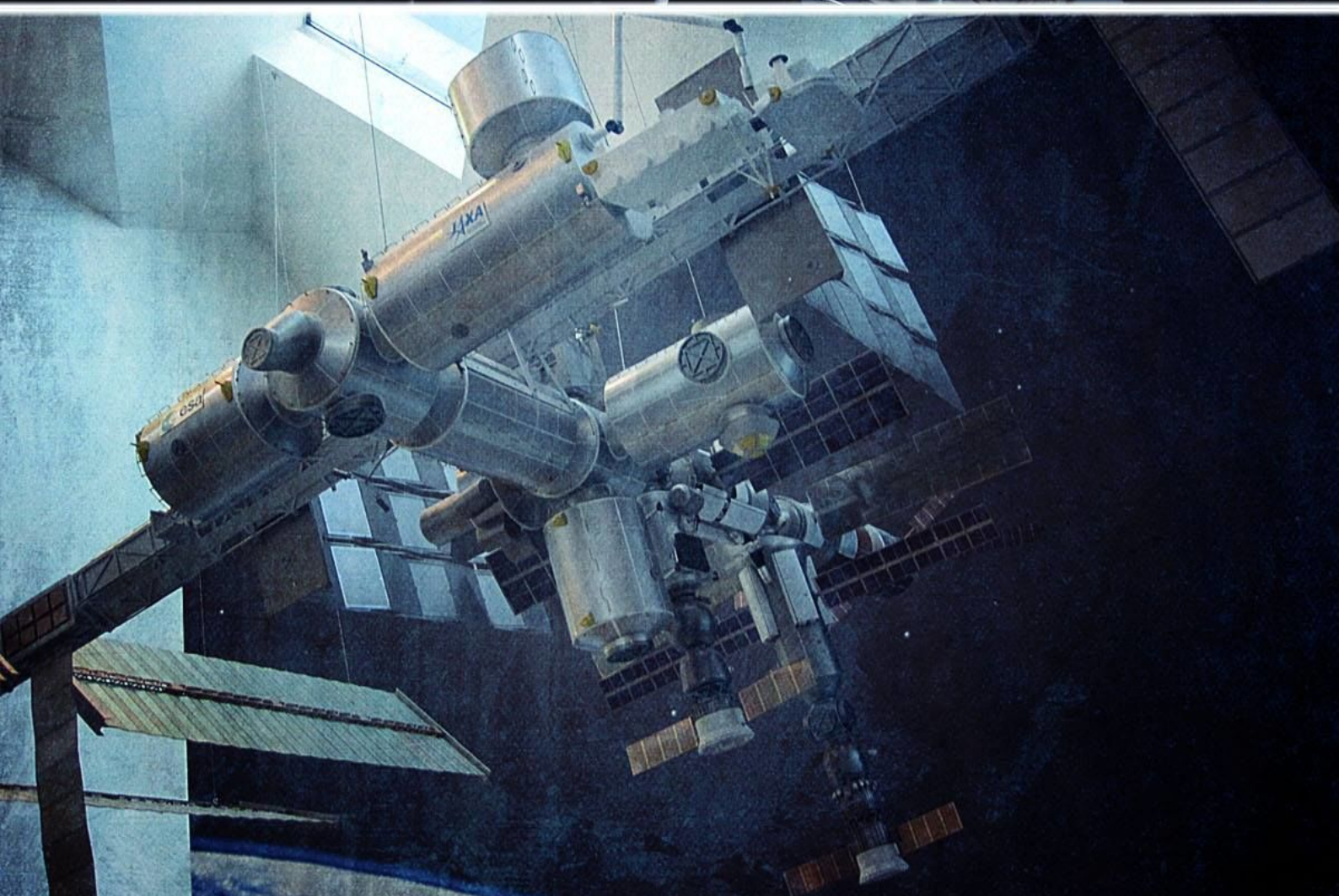
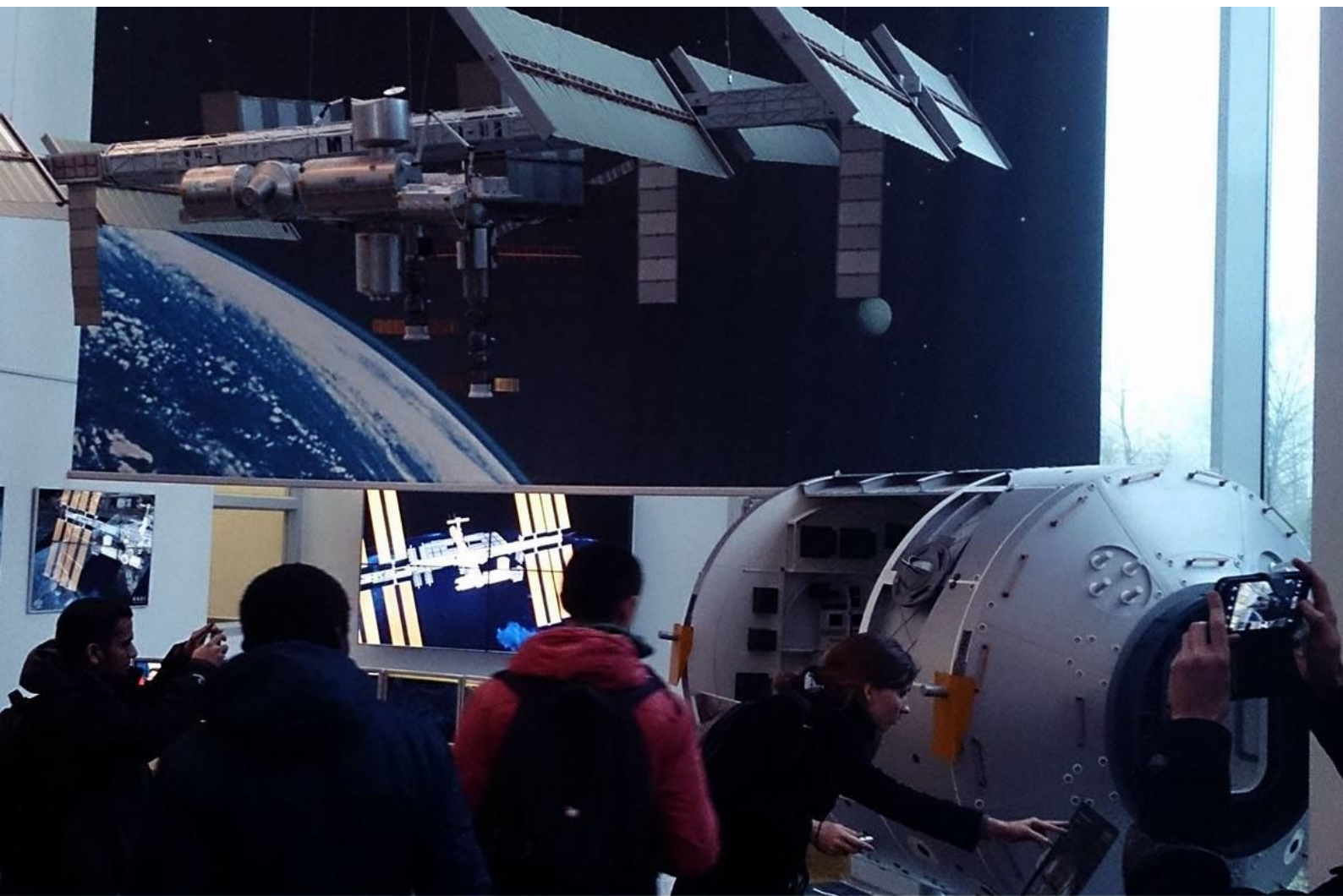
We had been waiting for this excursion to German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt, DLR) since the beginning of our course. We, the students of the 1<sup>st</sup> semester of the 9th generation of GEOENGINE were also accompanied by the students of the Bachelor program Geodäsie & Geoinformatik.

We started off early in the morning at 7. And thanks to the weather not being rude to us, we reached on time. The schedule began with Prof. Dr. Günter Strunz presenting an overview of the Earth Observation Center and the DLR Center for Satellite Based Crisis Information followed by a presentation by Mr. Thomas Krauß on recent advancements in Photogrammetry and Airborne Real Time Monitoring.

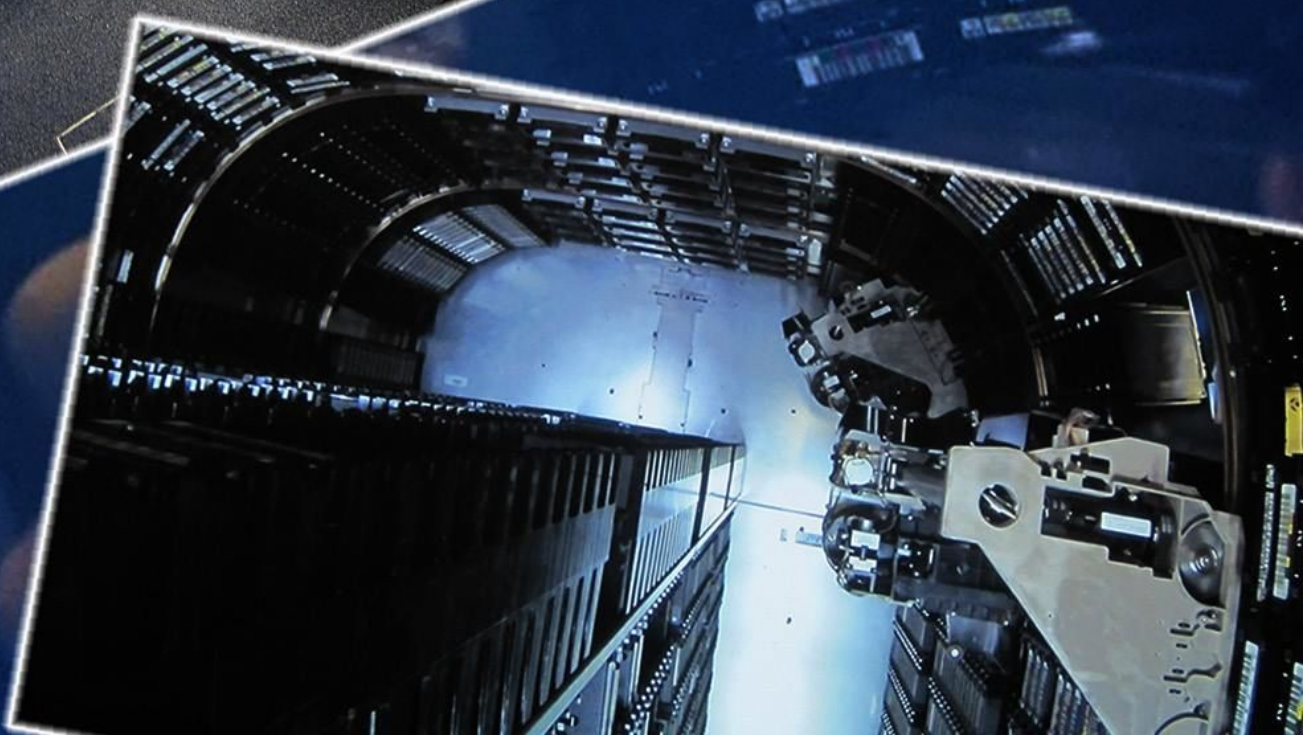
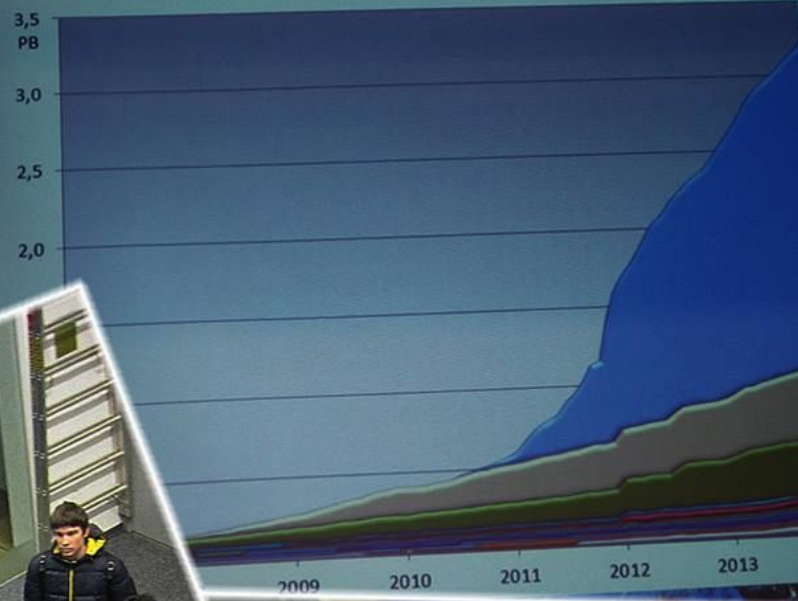
After a short lunch break we visited the German Space Operations Center (GSOC) from where the Galileo system is being operated, and witnessed the Columbus Control Center in operation. We also learnt about the German Satellite Data Archive where archives since 1998 are being continuously stored. The program ended with presentations by Dr. Sandro Martinis and Mr. Wenxi Cao on applications of Remote Sensing in Disaster Management.

This excursion helped a lot in motivating us to discover the various possibilities for our Master Thesis or doing an internship at DLR.

We are thankful to DLR for this successful program. And last but not the least, we express our deep gratitude to Prof. Dr.-Ing. Dieter Fritsch and Dr.-Ing. Michael Cramer for organizing this wonderful event and for helping us to make the most out of it.



# German Satellite Data Archive - Current Data Volume (Neustrelitz & Oberpfaffenhofen)



INTERNATIONAL  
SPACE STATION



**Diamond**  
AIRCRAFT  
DA 40 / DA 42

**KUKA**  
MLR





**Columbus**  
**7. Februar 2008 – Mission 1E STS-122**  
Das Space Shuttle „Atlantis“ startet mit dem europäischen Weltraumlabor Columbus an Bord im Kennedy Space Center in Florida. Mit dabei sind der deutsche Astronaut Hans Schlegel und sein französischer Kollege Leopold Eyharts als ESA-Astronauten: ihre Aufgabe wird es in den nächsten 13 Tagen sein, das Modul an die ISS anzudocken, es einzuschalten und in Betrieb zu nehmen. Mit Außenbordeinsätzen (EVA, Extravehicular Activity) montieren die Astronauten die externen Versuchseinrichtungen an das Weltraumlabor. Schließlich erledigen sie weitere Aufbau- und Wartungsarbeiten.  
Das Columbus Control Center (Col-CC) in Oberpfaffenhofen übernimmt die Leitung des Betriebs im Forschungslabor. Für diese Aufgaben hat das DLR von der ESA 2002 den Auftrag zum Aufbau und Betrieb des Kontrollzentrums erhalten.