

# ifp Excursion

DLR Earth Observation Center in Oberpfaffenhofen

28 October, 2016

Organized by ifp for GEOENGINE Master Students (3<sup>rd</sup> semester)



The excursion was organized by Institute for Photogrammetry, aim to provide GEOENGINE MSc. students the opportunity to take a closer look into Remote Sensing field. DLR is the national center for aerospace, energy and transportation research of the Federal Republic of Germany. Within DLR, the Earth Observation Center is Germany's leading research and development organization in the field of earth observation, responsible for many of the RS satellite missions and the deal with the data for example for natural hazards, emergency mapping and crisis management. In the excursion we saw the GSOC, which is the control room where the European satellite missions are supervised! And we had a look into the Crisis center. The researchers also gave us some presentations on how satellites or aerial vehicles works to produce varies kinds of data and how we use them on certain issues. Many thanks to Institute for Photogrammetry and Dr.-Ing. Cramer for arranging this wonderful excursion for us!



Figure 1. Prof. Dr. Günter Strunz welcoming us and introducing the Earth Observation Center



Figure 2. the students and the speakers discussing



Figure 3. introduction about satellites





Figure 4. introduction about satellites



Figure 5. taking a look at GSOC



Figure 6., illustrating when emergency happens, how the team works to give order to the satellites



Figure 7., introduction to the main tasks of the Center for Satellite Based Crisis Information (ZKI)