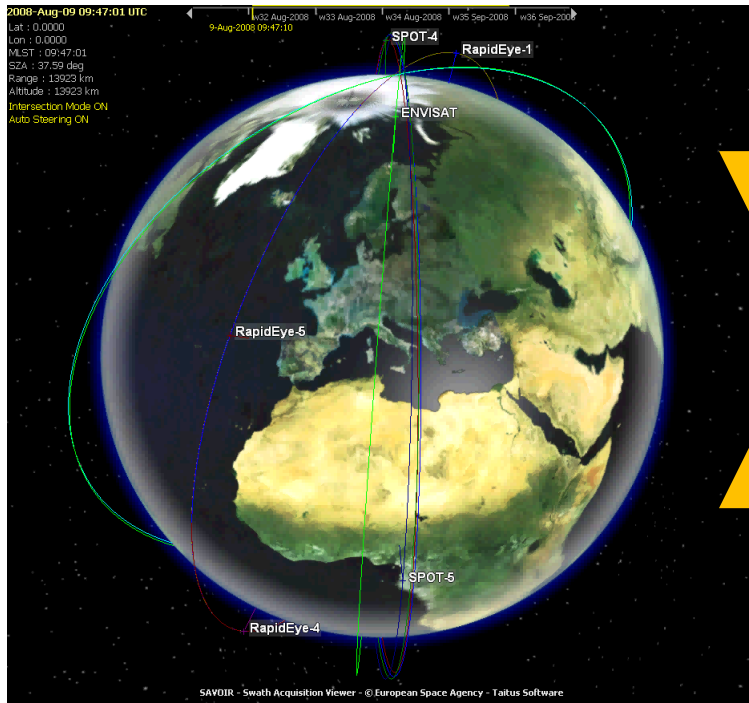
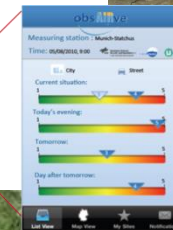
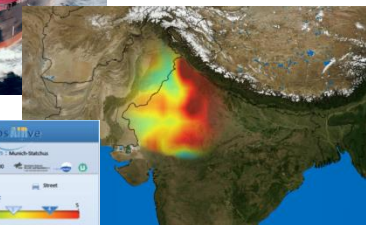
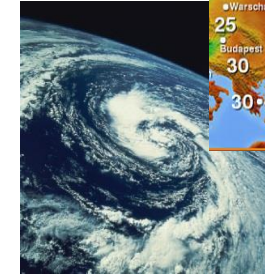


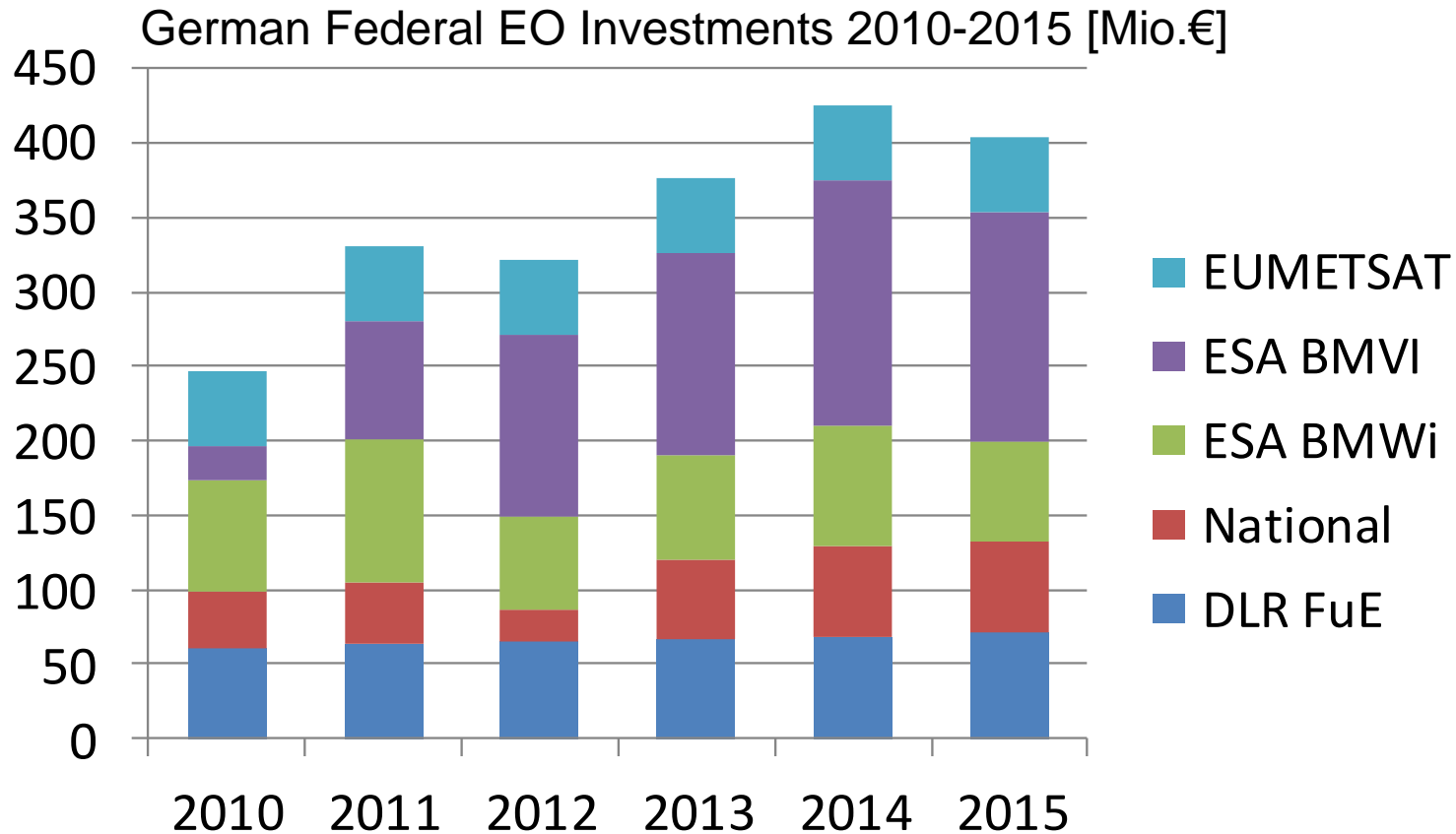
Earth Observation is a unique contribution to society. It is the only means to generate global, actual and homogeneous measurements of the Earth's system



Source: ESA Savorir

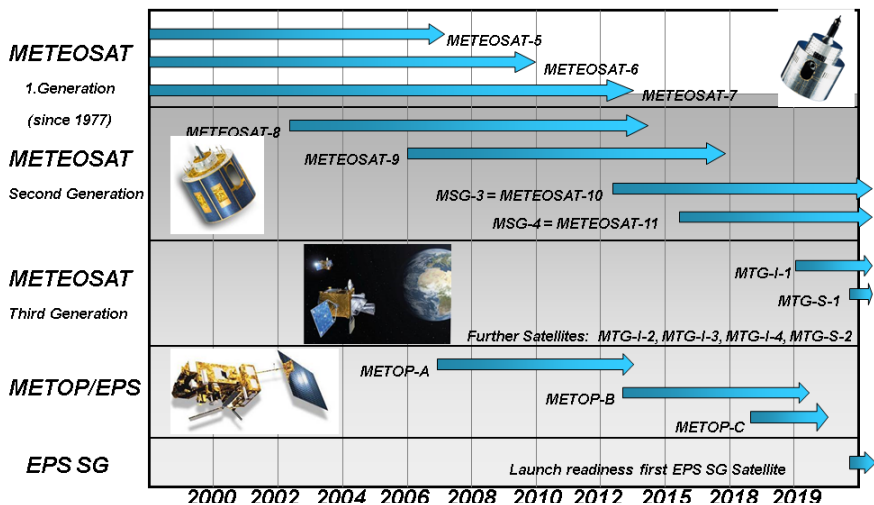


Germany sees EO as a major pillar in the space programme and therefore acts as the largest contributor in Europe

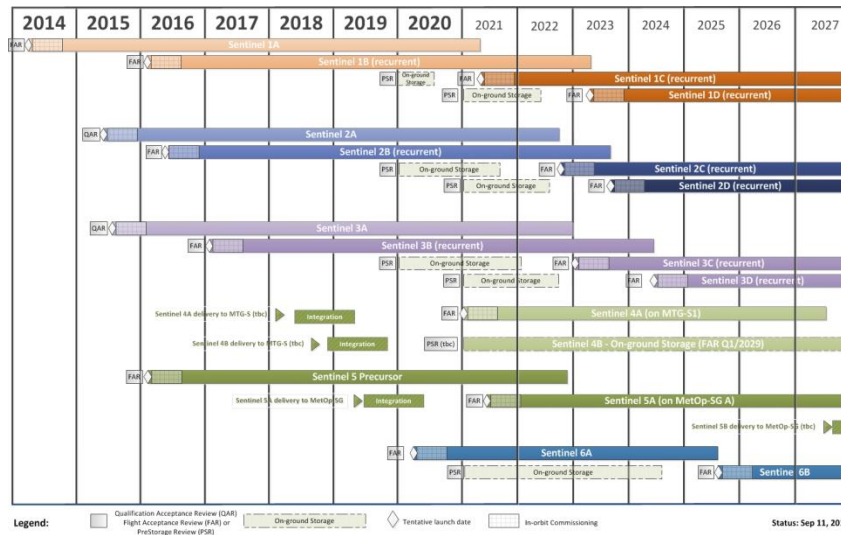


Transferring a technology into a sustained service needs long-term planning and staying power

Eumetsat Missions (1977 – 2040)

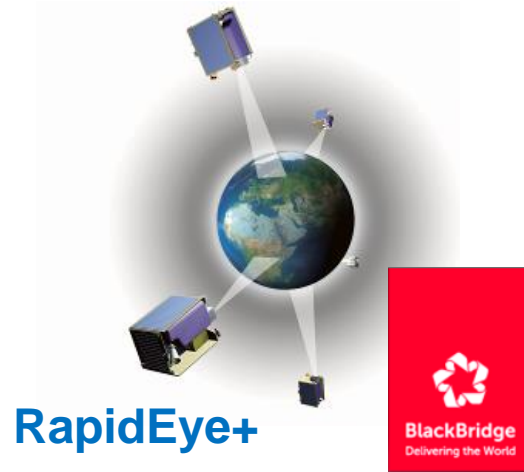
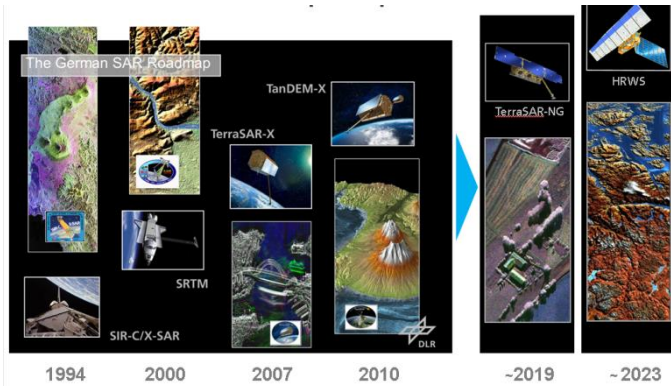


Copernicus Missions (2014 – 2027) based on heritage of ERS missions, (1991 – 2011)

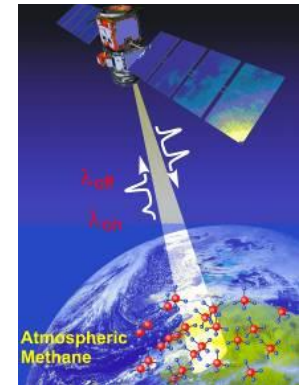


The focus of the German National Programme is on sustained and on commercial services

NG X-Band Radar Mission



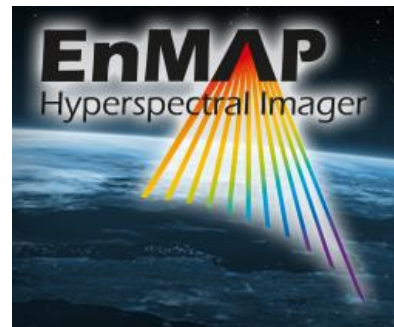
FR-DE Methane Lidarmission



Imaging Radiometer from 2021 - 2040

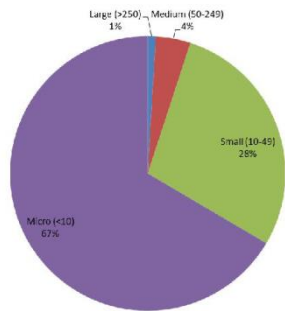


Hyperspectral FO Mission

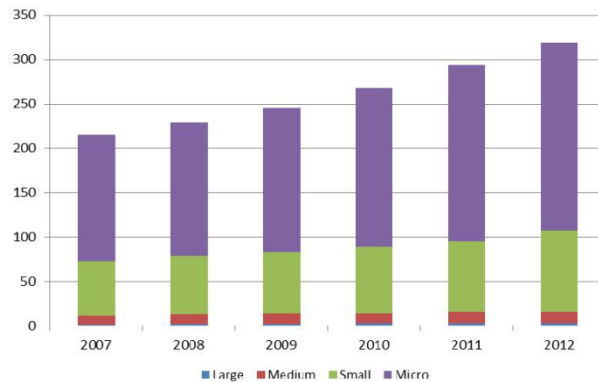


Earth Observation is a major economic factor

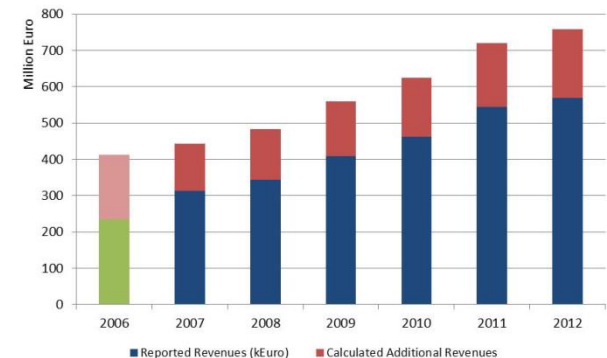
- more than 800 employees in EO Service industry in Germany
- in Europa 95% of companies are SMI <50 employees
- 41 companies in Germany (in total 319 in Europa)
- Total turn-over in Europa ~750 Mio.€ (after 400Mio.€ in 2006)
- With the Sentinels a large boost can be expected



Structure of Companies in Europa 2012



Development in Europa 2007-12



Turn-over in Europa 2007-12

Source: EARSC 2012: *State and Health of the European EO Services Industry*

