



FFG

Erdbeobachtung

ASAP Anwendungsworkshop
6.Mai 2015

Thomas Geist



WEST BAY

DEVILS LAKE

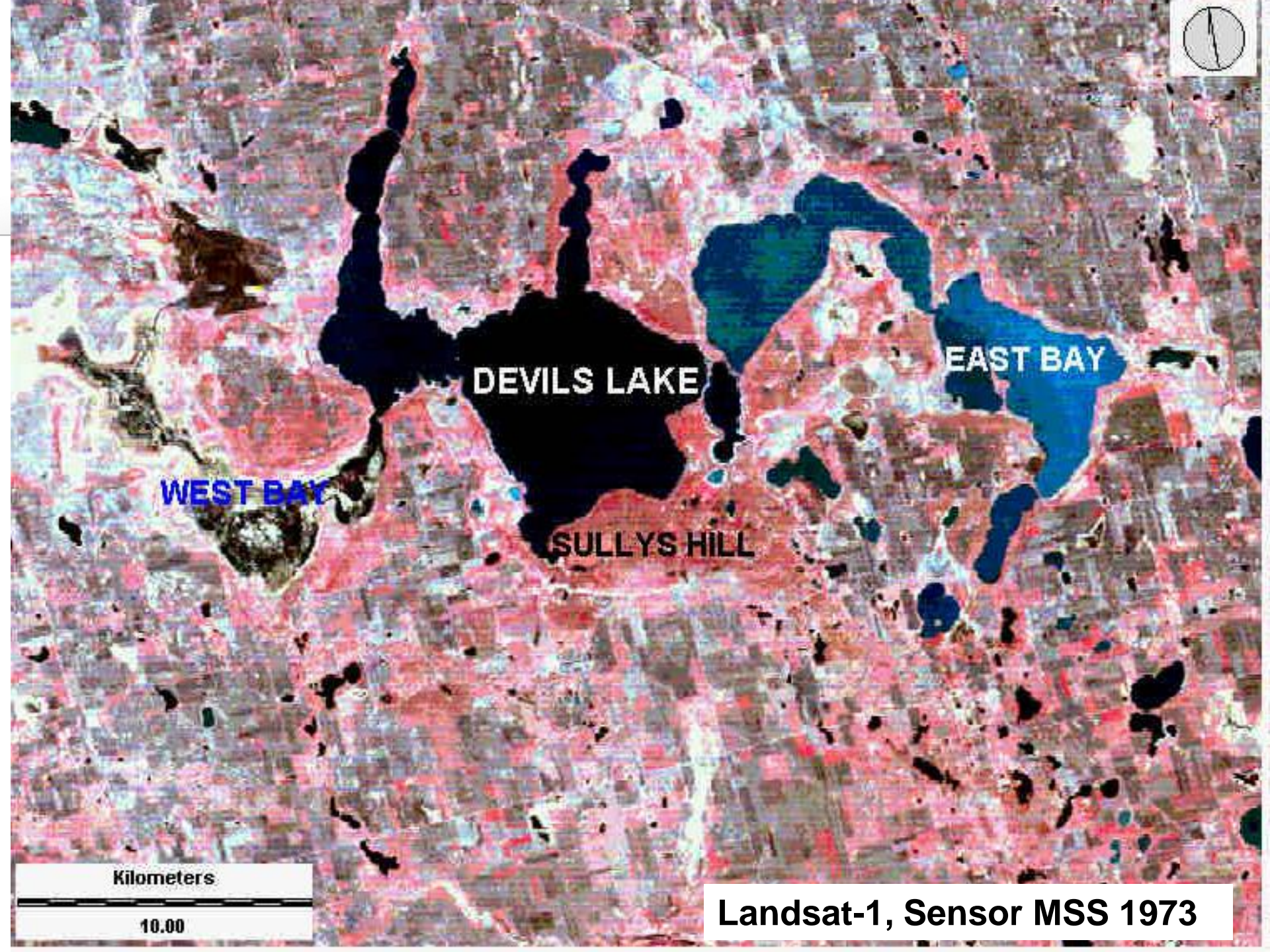
EAST BAY

SULLYS HILL

Kilometers

10.00

Landsat-1, Sensor MSS 1973



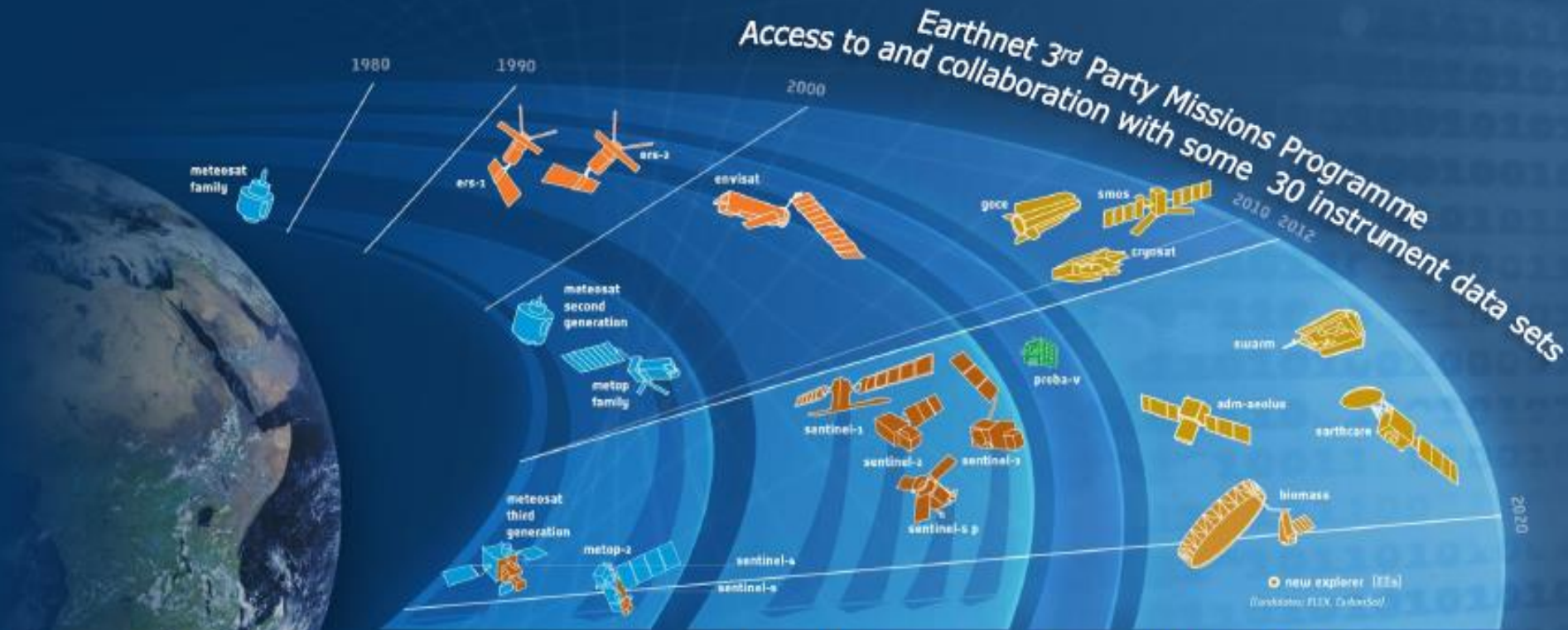


Österreichische

METEOSAT-1

FIRST IMAGE: 9 DEC 1977
COPYRIGHT ESA

→ THE ESA EARTH OBSERVATION PROGRAMME



Meteorological Missions driven mainly by Weather forecasting and Climate monitoring needs. These missions developed in partnership with EUMETSAT include the Meteorological Operational satellite programme (MetOp), forming the space segment of EUMETSAT's Polar System (EPS), and the new generation of Geostationary Meteorological satellites (MSG & MTS satellites).

GMES Sentinel Missions driven by Users needs to contribute to the European Global Monitoring of Environment & Security (GMES) initiative. These satellite missions developed in partnership with the EC include C-band imaging radar (Sentinel-1), high resolution optical (Sentinel-2), optical and infrared radiometer (Sentinel-3) and atmospheric composition monitoring capability (Sentinel-4 & Sentinel-5 on board Met missions MTG and EPS-5G respectively).

Earth Watch Missions

Earth Explorer Missions driven by Scientific needs to advance our understanding of how the ocean, atmosphere, hydrosphere, cryosphere and Earth's interior operate and interact as part of an interconnected system. These Research missions, exploiting Europe's excellence in technological innovation, pave the way towards new developments of future EO applications.

Atmosphäre

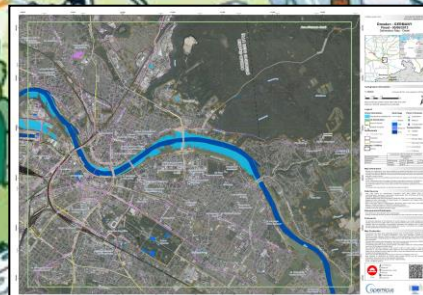
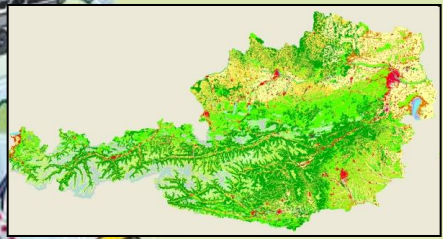
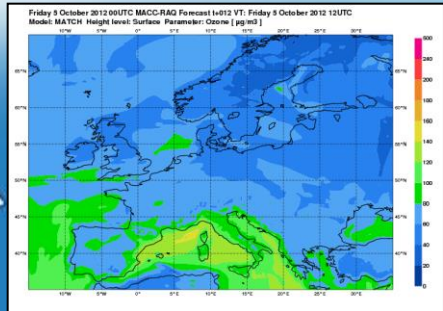
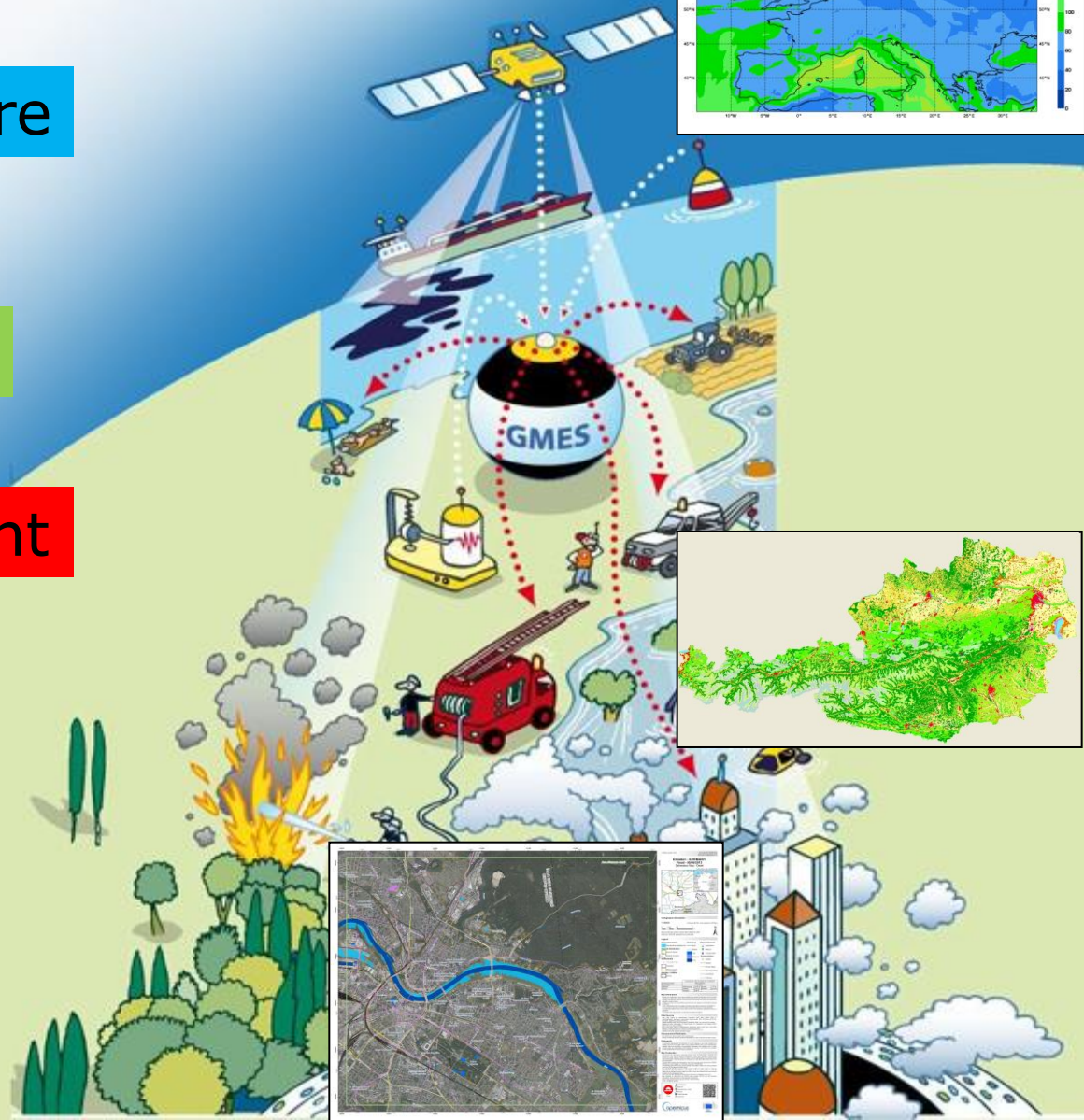
Meer

Land

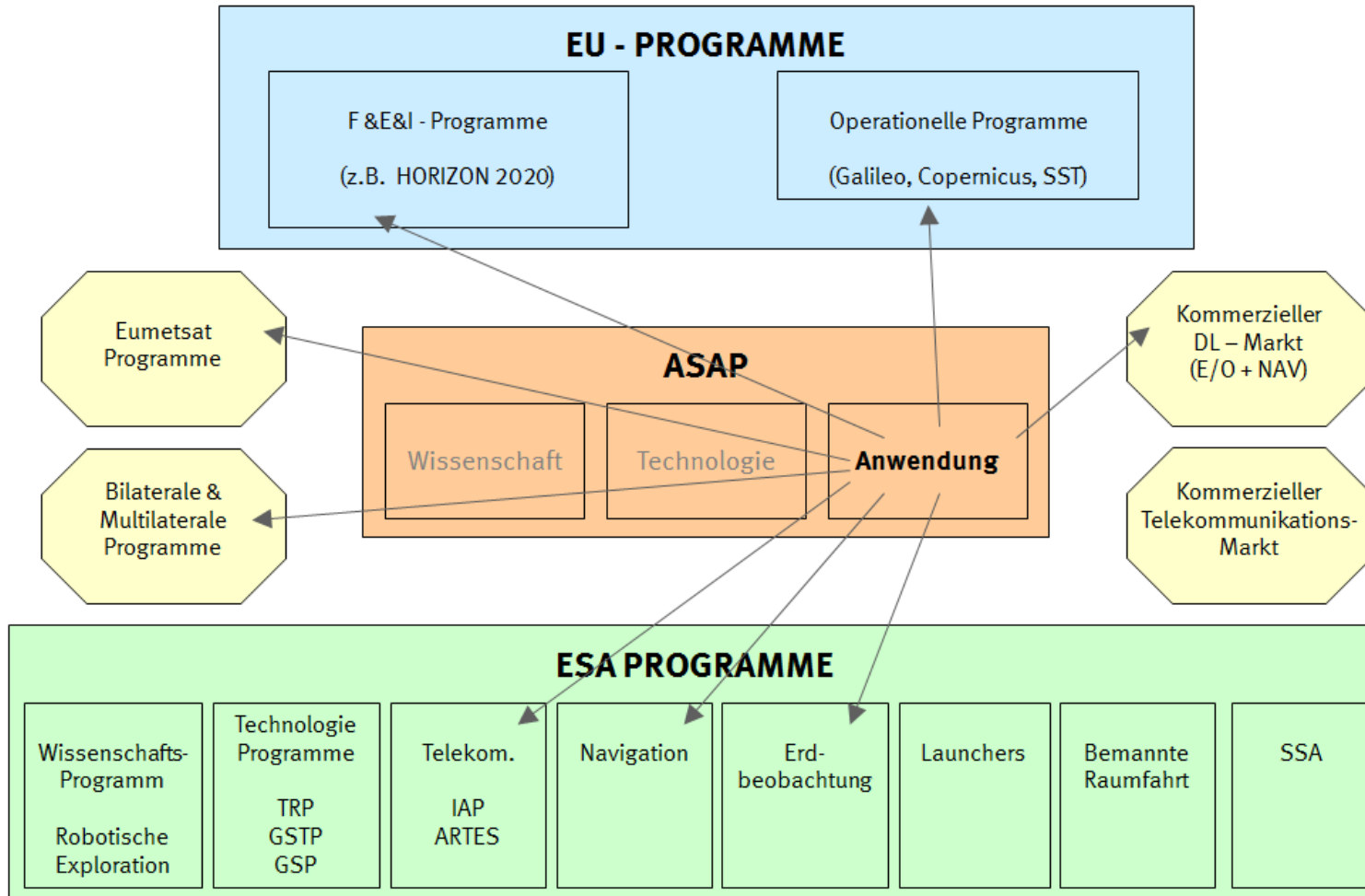
Notfallmanagement

Sicherheit

Klimawandel



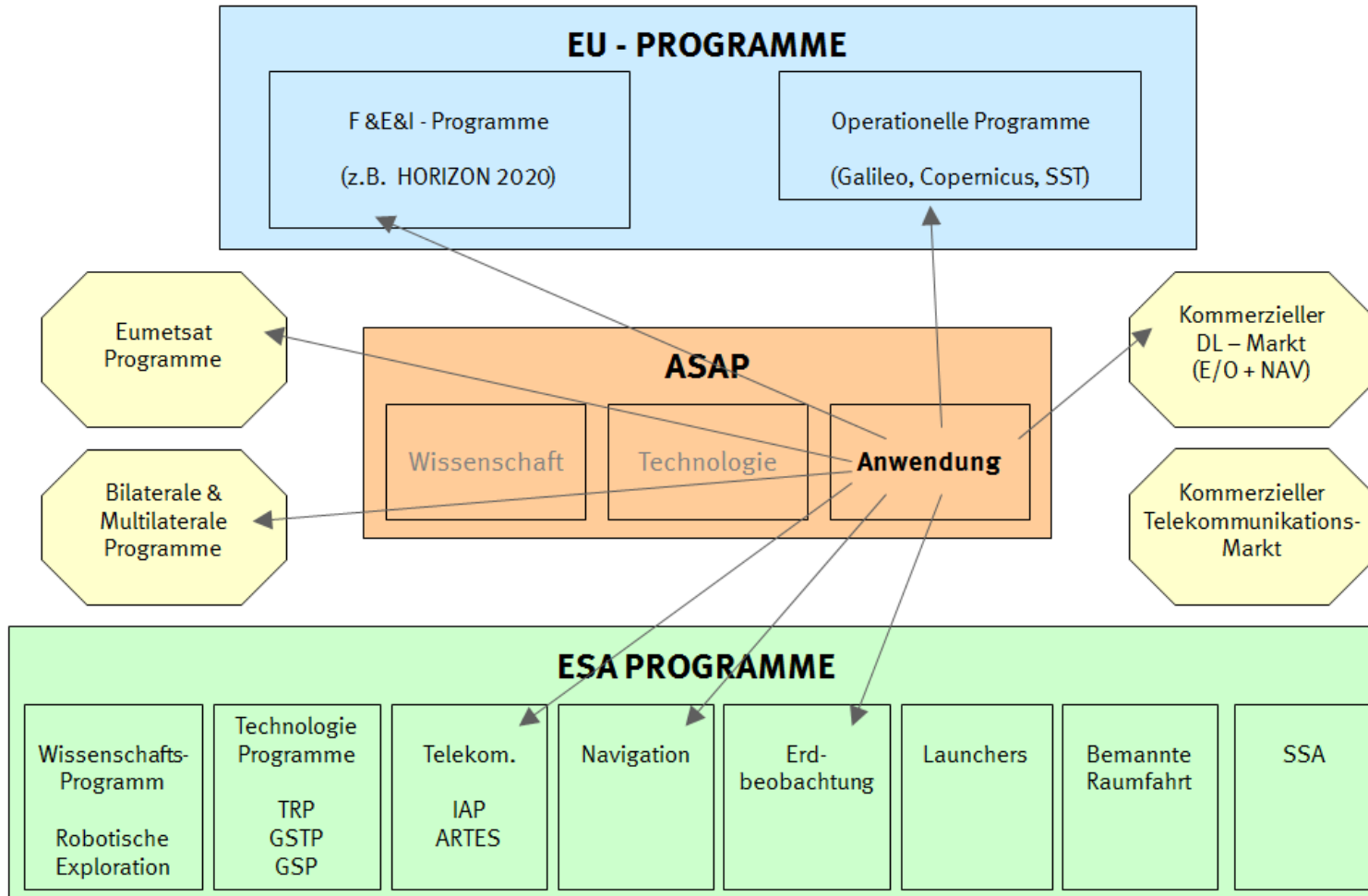
ASAP als Hebelprogramm



ESA's EO Programmes cover the entire loop of Earth Observation activities from

- EO Technology
- Instrument Pre-Development
- Mission Definition and Selections
- Mission Development
- Mission Cooperation Programmes
- User and Exploitation Development for Science and Applications
- Operations and Exploitation of own and third party missions
- Standardisation and Technology for Member States
- Lesson's learned for definition of new missions

ASAP als Hebelprogramm



Call - Earth Observation – 2016

EO-1-2016: Downstream applications

EO-2-2016: Downstream services for public authorities

EO-3-2016: Evolution of Copernicus services

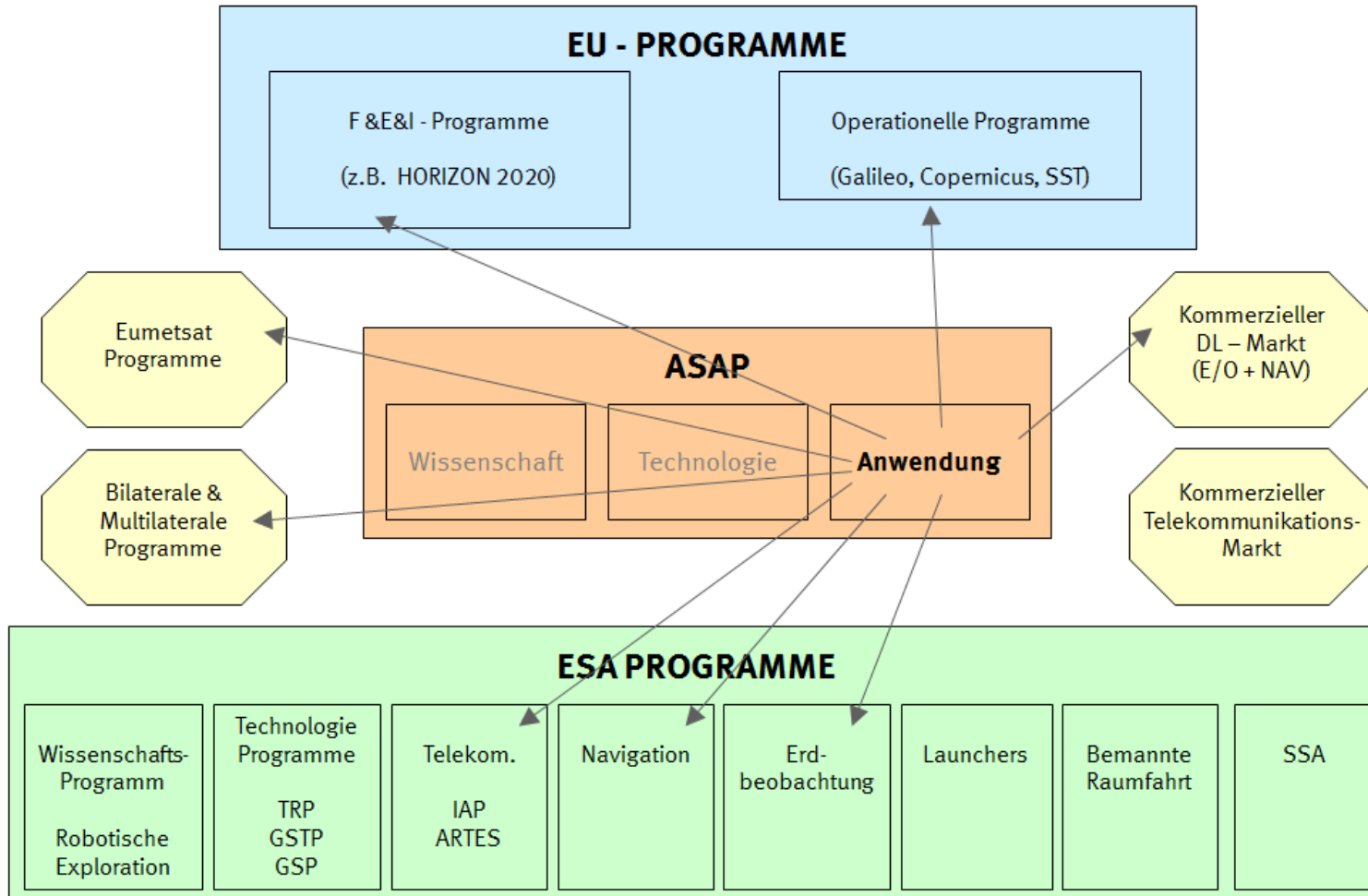
Call - Earth Observation – 2017

EO-1-2017: Downstream applications

EO-2-2017: EO Big Data Shift

DRAFT

ASAP als Hebelprogramm



Aktionslinie Copernicus/GMES in Österreich

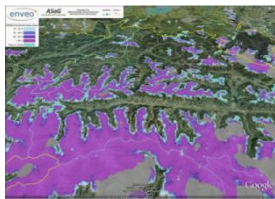
- Ziel 1: Unterstützung österreichischer Akteure in GMES
- Ziel 2: Bewusstseinsbildung für GMES bei potenziellen Nutzergruppen in Österreich
- Ausschreibungen basierend auf Konsultierungsprozess
- Pilot- / Demonstrationsprojekte
- Einbindung von (End)Nutzern verpflichtend
- Anregung zur Bildung großformatiger Projekte und Konsortien



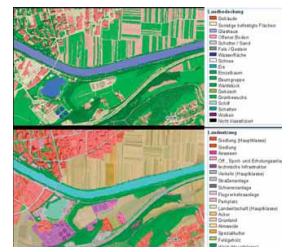
ein paar Stichworte...

- weiterhin starke Orientierung an europäischen / ESA Programmen
- weiterhin Methoden- und Algorithmenentwicklung (neue Sensoren, aber auch Integration von Satelliten- und anderen Daten...)
- noch stärkere Einbindung von (End)nutzern, öffentlich und kommerziell
- Herausforderungen durch die „Big Data Challenge“ (IKT Expertise...)
- weitere Vergrößerung der Zahl der EO-Akteure in Österreich

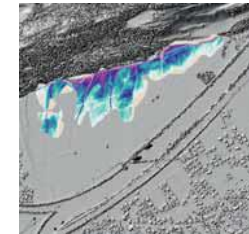
ASaG – Land Monitoring



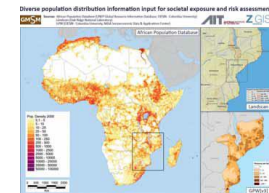
LISA – Land Monitoring



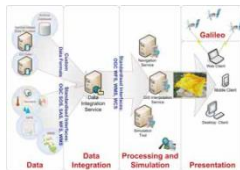
Aid4Floods – Emergency Management



GMSM – Land Monitoring



G2real – Emergency Management

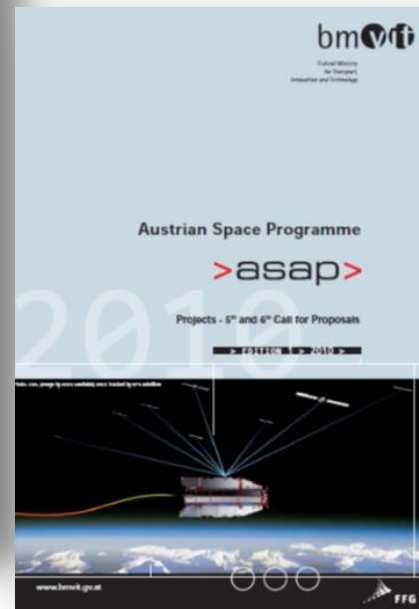


SATIDA – Land Monitoring



EO4HumEn – Emergency Management





<http://www.ffg.at/asap>
Download Center

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