

EISC Visit to Airbus Defence & Space

15 April 2014



How many satellites did you use today ?

How many Satellites ? About 40 !

Connect to any communication network (Internet, phone, bank)

All telecom networks are GPS synchronised (24 satellites)

Navigate, use a map:

A few earth observation satellites

Weather forecast:

A few meteorology satellites (4 geo, 2 polar)

Watch TV: (if you do not have a dish antenna, many TV networks are fed by comsats)

A few geostationary TV satellites

Watch/listen to the news:

The press is using a lots of satellites (Inmarsat, 66 Iridium...)



Satellites have a pervasive influence on our daily lives

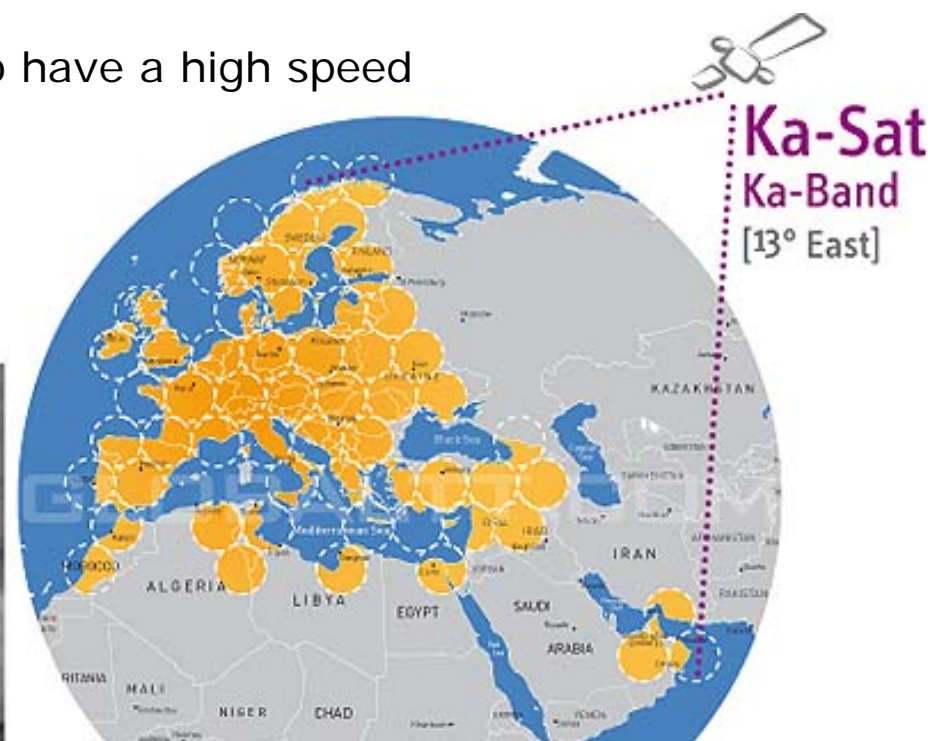
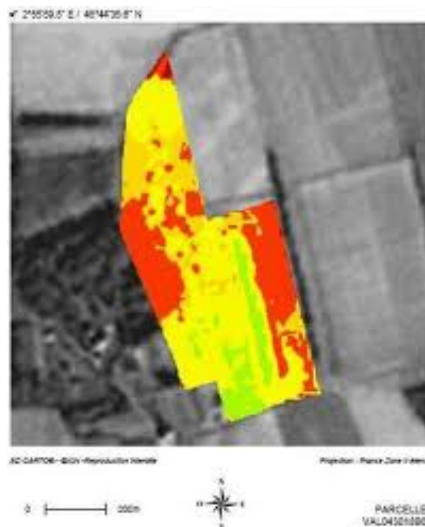
Airbus Defence & Space: Space Activities in France

Sales from France: 3.2 billion €

2/3rd of the sales are made on commercial/export markets

A few reasons to be proud (and passionate) about what we do

- N°2 space company in the world
- Only company having activities in space transportation, satellite systems, and services
- 58 Ariane 5 successfully launched in a row
- We made Ka-Sat for Eutelsat allowing all Europeans to have a high speed access to the Internet
- We made GAIA for ESA (astrometry mission)
- Farmstar allows more that 14000 farmers to produce more and better with less fertilisers



Space brings a lot of Socio Economic Benefits

- Jobs:** Highly qualified, non delocalisable jobs (12,000 FTE in France)
- Economy:** Half a billion euros in France's balance of trade
1 € invested in the world commercial space value chains creates 20 €
(source: Euroconsult)
1 € invested in the low earth orbit satellites generates up to 20 €
(source: Eumetsat)
- Saved lives:** Intelligence, Cospar/Sarsat (2000 lives per annum), rapid mapping
- Opening Up:** High speed access to the Internet all over Europe thanks to Airbus' Ka-SAT
- Environnement:** Detection of the hole in the ozone layer, continuous measurement of UN environmental control variables, forest monitoring, ...

