• Airbus Group
• SAR Road-Map
• New Modes
• CSC-DA Infrastructure
• System Capacity
• System Performance
• Project Team
German SAR Road-Map including DLR / Airbus DS public-private partnership

- **2007**: TerraSAR-X
- **2010**: Formation flight (TanDEM )
- **2015**: TerraSAR/PAZ Constellation
- **2015**: TanDEM-X (until 2020+)
- **2020+**: TerraSAR-NG (system access)
- **2020+**: PAZ launch
- **2022+**: WorldSAR Constellation
- **2022+**: Export & WorldSAR
- **2022+**: HRWS High Resolution Wide Swath
New Image Modes

- **SpotLight**
  - resolution 1m
  - 10 x 5km²
  - Recognition of objects (airplanes, hangars, vessels,..)

- **ScanSAR**
  - resolution 3m
  - 30 x 50km²
  - Detection & classification of vessels, infrastructure, etc.

- **StripMap**
  - resolution 18m
  - 10 x 50km²
  - Detailed maritime monitoring & detection

- **Wide ScanSAR**
  - resolution 40m
  - 200 - 270 x 200km²
  - Monitoring & Detection

- **Staring SpotLight**
  - resolution 0.25m
  - 4 x 3.7km² or 2.5 x 7.5km²
  - Identification of objects

- **Monitoring & Detection**

- **Recognition & Classification**

- **Identification**
Tractor tracks and foot path
Right: 07-20 / 07-31 / 08-11
Left: 07-09 / 08-22 / 09-02

Agriculture: Tractor tracks and foot paths in the field (Harwell, UK)
Up to 270 x 1500 km² @ 40 m spatial resolution benefitting maritime large area monitoring applications.
• Roadmap for TSX-CCM CSCDA Infrastructure

  – **Provision of CSCDA services (operational since 2010)**
    - Configuration / additional workflows on existing interfaces & functional components
    - Future and catalogue ordering via order form

  – **Provision of HMA Catalogue Ordering interface (operational since 2011)**
    - HMA Catalogue Browsing Service
    - HMA Catalogue Ordering Service

  – **Provision of HMA Future Ordering interface (to be operational end of 2015)**
    - HMA Sensor Planning Service
    - HMA Future Ordering Service

_HMA: Heterogeneous Missions Accessibility_
With clouds you will miss the sunshine!
Capacity to Acquire Large Coverages

WideScanSAR coverages

- Acquisitions within 1 month
- Baltic Sea: 90 acquisitions
- Antarctica: 220 acquisitions
Performance Expected

- **WorldDEM (TanDEM-X Mission)** is completed
  - 60% of the world available
  - DSM and DTM are available now
  - [www.geo-airbusds.com/worlddem-db](http://www.geo-airbusds.com/worlddem-db)

- **Near Real Time Service**
  - Ship Detection Service (< 30 min)
  - In cooperation with DLR

- **Station Network**
Paraguay, NW of Filadelfia
THANK YOU

Mrs Petra Keller
Mrs Nadine Marschall
Mrs Selin Parlar
Mr. Marco Weber

Airbus DS Geo GmbH

Not really important