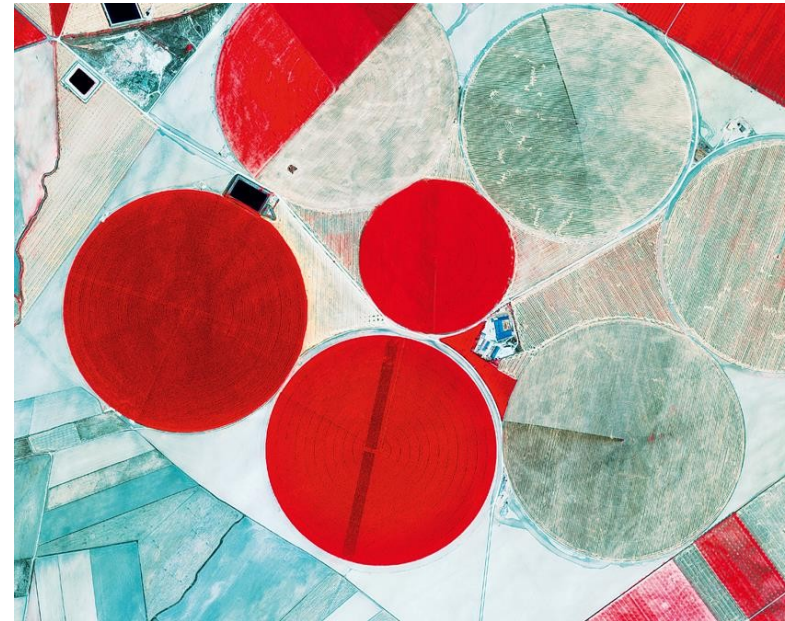




European Space Imaging (EUSI):
Europe's leading VHR data provider

European Space Imaging: VHR Data for CwRS

- (1) Company, Clients & Customer Service
- (2) Experience as CwRS Data Provider
- (3) Data Provision in 2014
- (4) New Sensors





European Space Imaging

Company, Clients & Customer Service



European Space Imaging

- Established 2002 in Munich, Germany
- Commercial partnerships with leading and emerging satellite operators
 - WorldView Global Alliance partner with **DigitalGlobe**
 - Cooperation with **e-Geos, Satrec Initiative, Imagesat International, Skybox Imaging**
- Our **own satellite ground stations** allow us:
 - direct satellite access (uplink/downlink)
 - last minute collection planning using real-time weather information



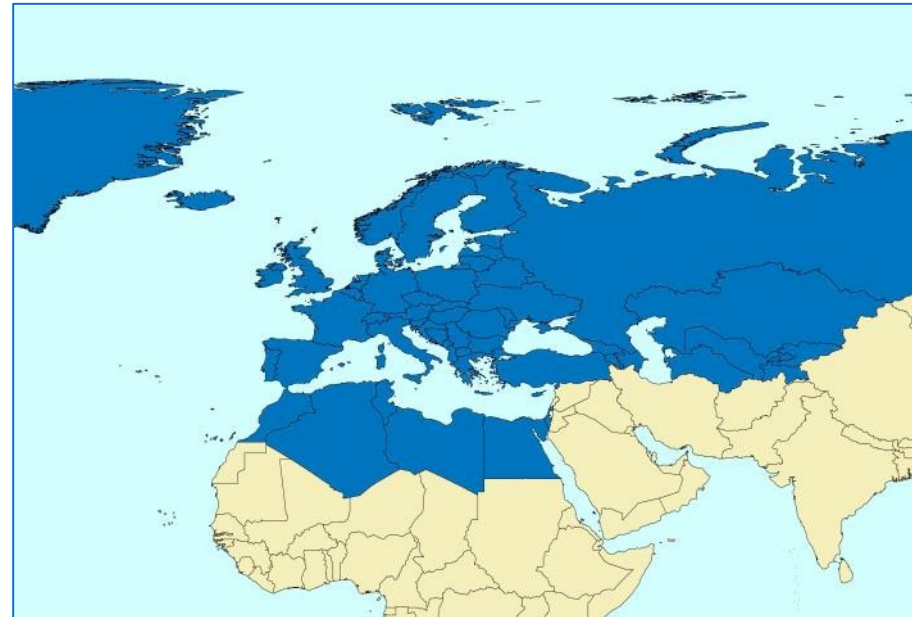
Experienced Customer Service

Our customer base covers

- more than 1700 customers
- in 59 countries in Europe, North Africa, CIS Countries, Russia, Middle East

We handle

- 3500-4500 orders every year



Partners & Customers

- Cooperation with more than 50 **Commercial Partners**
- Directly serving **national, European and international** the **Key Customers in Europe**





Experience as CwRS Data Provider

Involvement from the beginning



Proven Track Record

EUSI has been involved in CwRS since 2003 (pilot study):

- > main provider of VHR data to the Campaign
- > most successful and reliable provider



Campaign	Sensor	Success Rate	% km ²
2013	WV2, WV1, QB	100%	45%**
2012	WV2, WV1, QB	100%	71%
2011	WV2, WV1, QB	100%	68%
2010	WV2, WV1, QB	99%	30%*
2009	IKONOS	100%	68%
2008	IKONOS	94%	80%
2007	IKONOS	99%	72%
2006	IKONOS	100%	73%
2005	IKONOS	99%	72%
2004	IKONOS	100%	62%
2003 (pilot)	IKONOS	86%	36%
* Late assignment of Framework Contract; ** Budget Ceiling reached on Framework Contract			

Proven Track Record

EUSI has been involved in CwRS since 2003 (pilot study):

- > main provider of VHR data to the Campaign
- > most successful and reliable provider

Prepared for New Challenges (2014-17)

EUSI will provide

- > the main VHR satellites involved so far
- > plus new satellites with more capabilities and capacity

Our goal: Continue our high success rates in 2014 and beyond.

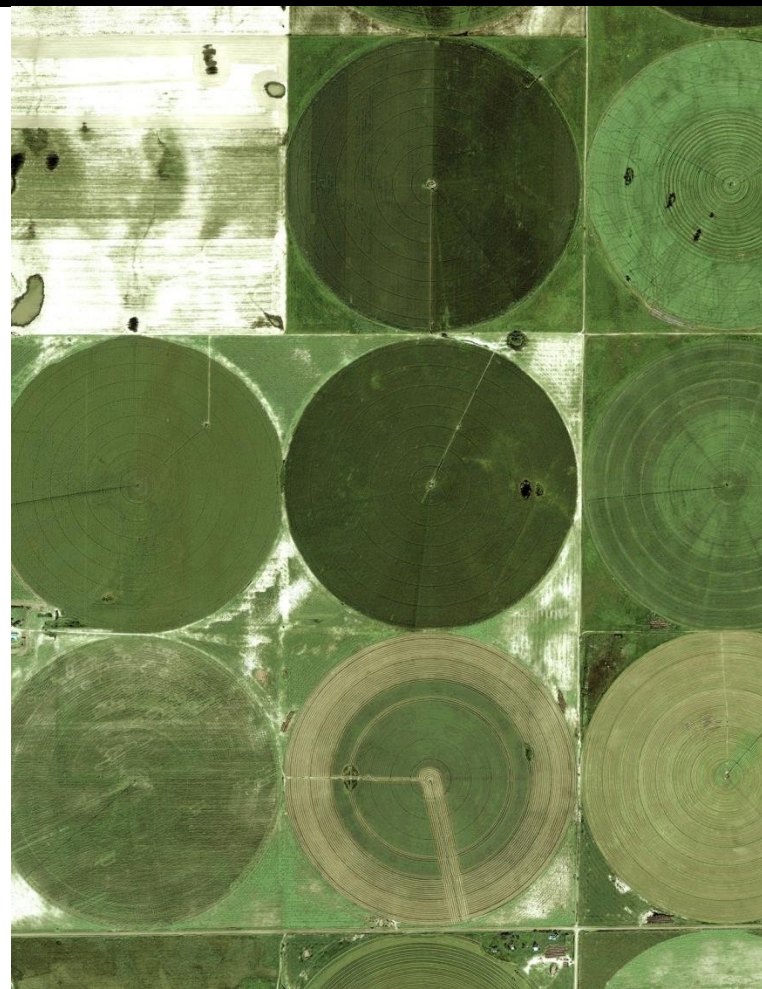
Successful start: first MS completed 😊



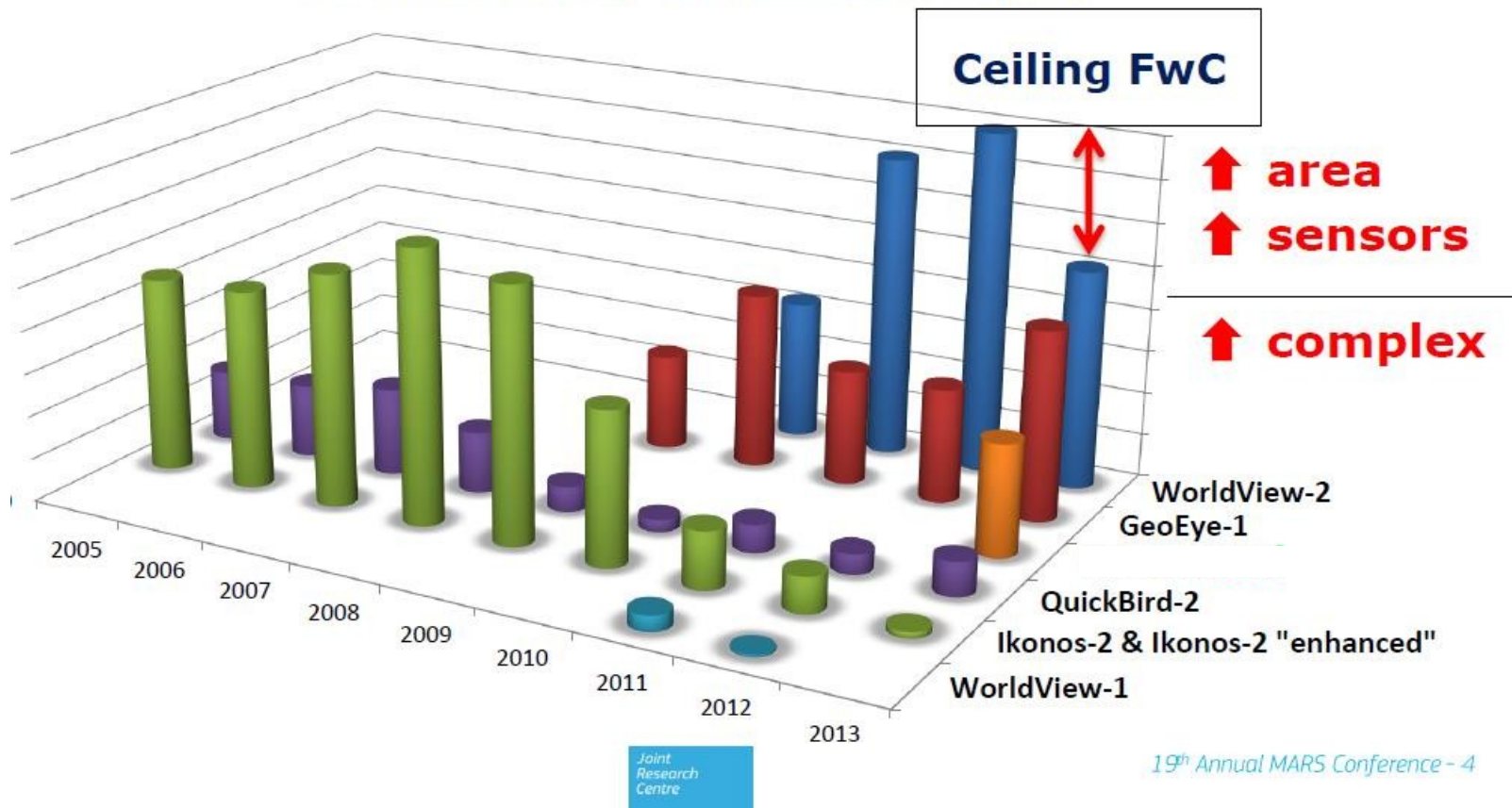


Data provision in 2014

Successful Continuation



Purchased area by VHR prime sensors [km²]





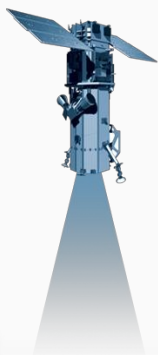
New Sensors

More Capacity, more Capabilities

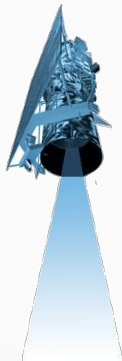


Data Continuation

WorldView2
8 band MS 50cm
(native 46cm)



GeoEye1*
RGBN 50cm
(native 41cm)



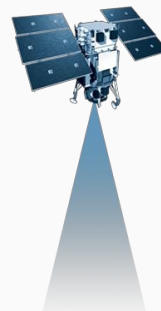
QuickBird
RGBN 60cm



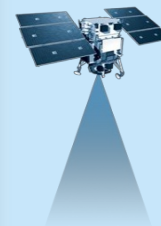
VHR Prime

VHR Backup

WorldView1
PAN 50cm



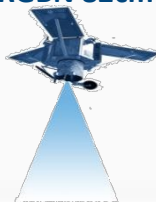
Kompsat3
RGBN 70cm



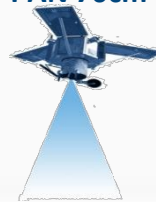
WorldView3
8 band MS 50cm,
8 band SWIR
(native 31cm)



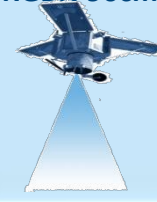
Ikonos*
RGBN 82cm



EROSB
PAN 70cm



Skysat-1
RGBN 90cm



* With the special support of e-GEOS

Kompsat-3 (launched May 2012)

- Resolution (pan/RGBN multispectral: 0.7/2.8m)
- Collection capabilities: 300,000 km² per day, stereo
- **14 bit depth** (highest bits per pixel among the commercial in
 - Better color balancing
 - Data extraction from shadow areas
- **Afternoon orbit** (1.30 pm local time)
 - Approx. 2 hours later than other VHR satellites

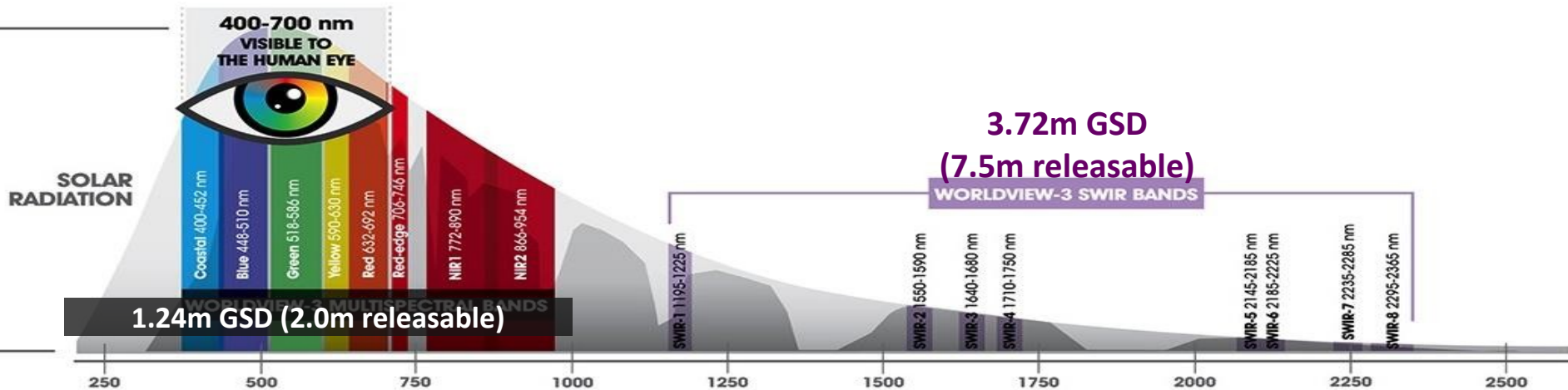


Benchmarking (by GAF & DLR):

- Preliminary tests showed results fully meeting the VHR Prime specifications
- Further testing and benchmarking currently ongoing

WorldView-3 (launch in Q3 2014)

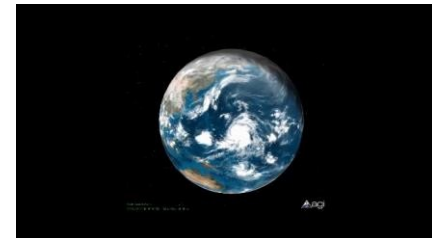
- First high-resolution “**super spectral**” satellite in the industry
- Highest Resolution:** 0.31m GSD (0.5m releasable) – pending request for resolution change
- Collection capabilities: 680,000 km² per day, stereo



Skybox Imaging: Constellation of 20+ VHR Satellites



- **Highest multispectral resolution** (Pan = Multispectral) of **70-90 cm**
- **Full motion video**
- Unique constellation planned of **9 (2015)** to **>20 (2018)** VHR multispectral satellites
- Skysat-1 launched in November 2013, Skysat-2 in April 2014, Skysat-3 in late 2014
- **Local satellite tasking** from European Space Imaging's ground station (Skynode)



VHR Data from by EUSI

- Proven and further increasing
Satellite Capacity and Capabilities

+

- Experienced and dedicated
Customer Support

