



CAP checks 2014

Image acquisition programme: status, new management and procedures



(in collaboration with GTCAP)

Varese 5-6 March, 2014



Outline of the session on the Image Acquisition programme

- Image Requests 2014 VHR/HR
- Outsourcing, where are we now ?
- Some issues to think about as new regime becomes operational
- What were the goals of the outsourcing ?
- New G-LIO.NET presentation
- Presentations of EUSI, and SpotImage

CAP checks evolution

		2003	2004	2005	2006	2007	2008	2009	2010*	2011*	2012*	2013*	2014(*)
HR	N. images / km2	680	690	690	693	657	538	655	671	735	640	662	385.800 (**)
	Cost (M€)	1,60	1,70	2,00	2,30	2,30	1,60	2,13	2,12	2,00	1,57	1,62	
VHR	Area (Km ²)	12.000	50.000	126.000	127.000	150.000	60.000	74.700	224.000	242.000	242.300	267.000	292.500
	Cost (M€)	0,30	1,60	3,00	3,00	3,30	3,80	3,90	4,55	5,10	4,87	5,28	
Total cost (M€)		1,90	3,30	5,00	5,30	5,60	5,40	6,03	6,67	7,10	6,44	6,90	
MS participation		12	22	24	23	24	24	25	27	27	27	27	27

(*) including LPIS

(**) excluding autumn/winter (on old regime 155 windows); total approx. 680



Zones 2014

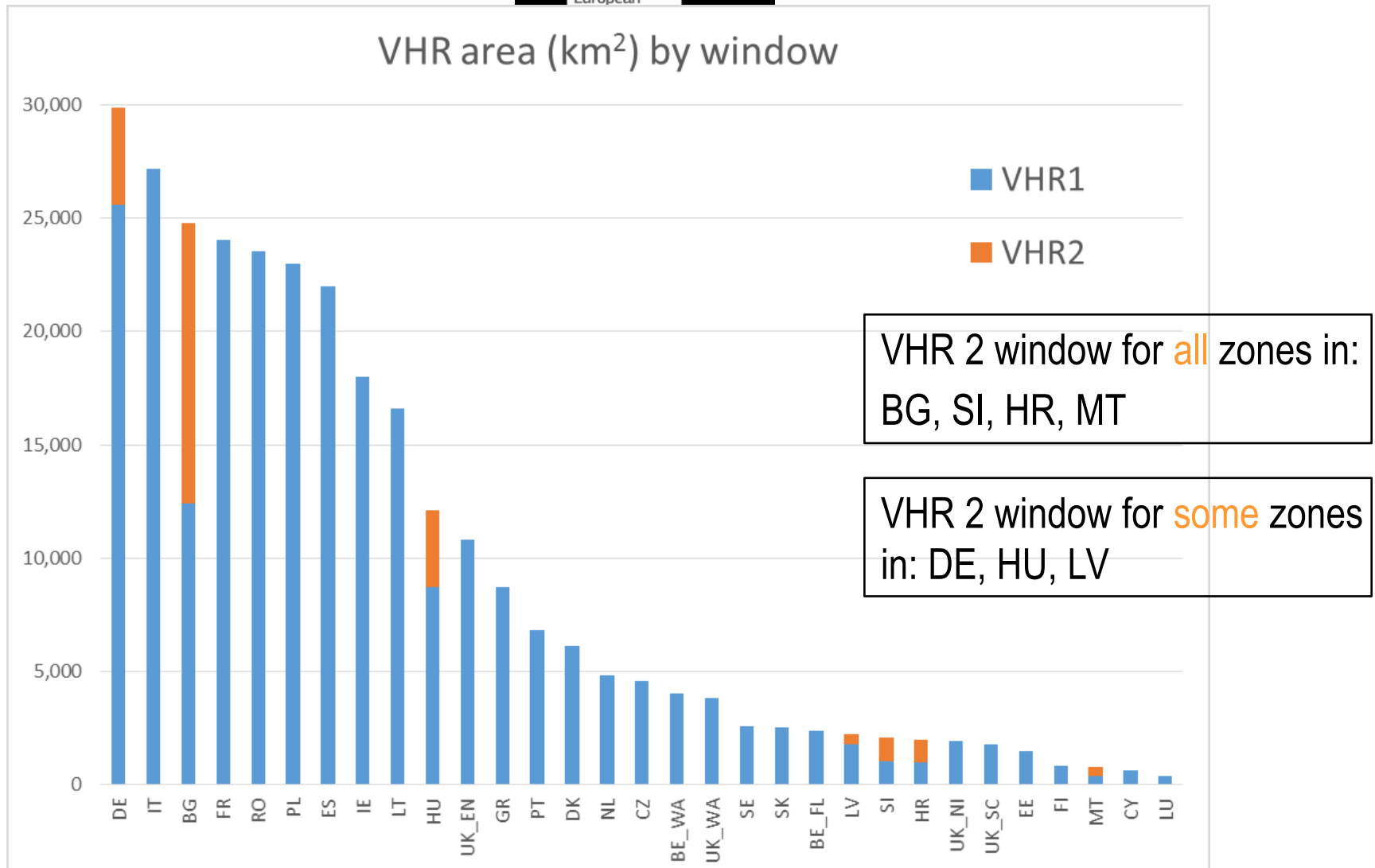
Type of images	Number of zones	AOI Area (km2)	Total VHR area (km2)	Total HR area (km2)
HR only	38	41,374	0	95,474
HR+VHR	220	151,691	156,842	290,354
VHR only	286	117,846	135,697	0
Grand Total	544	310,911	292,539	385,828

544 zones:

- 258 HR
- 506 VHR

Average zone sizes (km2):

- HR only 1.089 km2
- HR+VHR 690 km2
- VHR only 412 km2
- Average: 572 km2





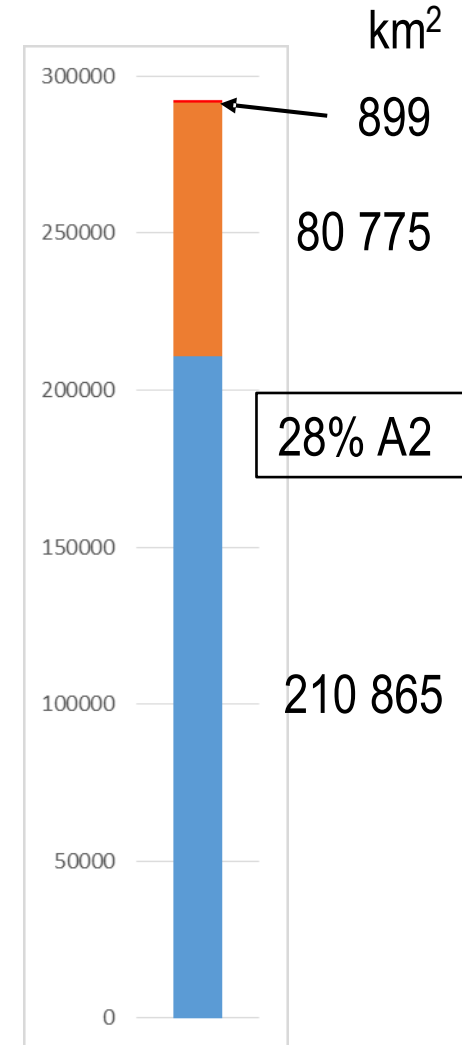
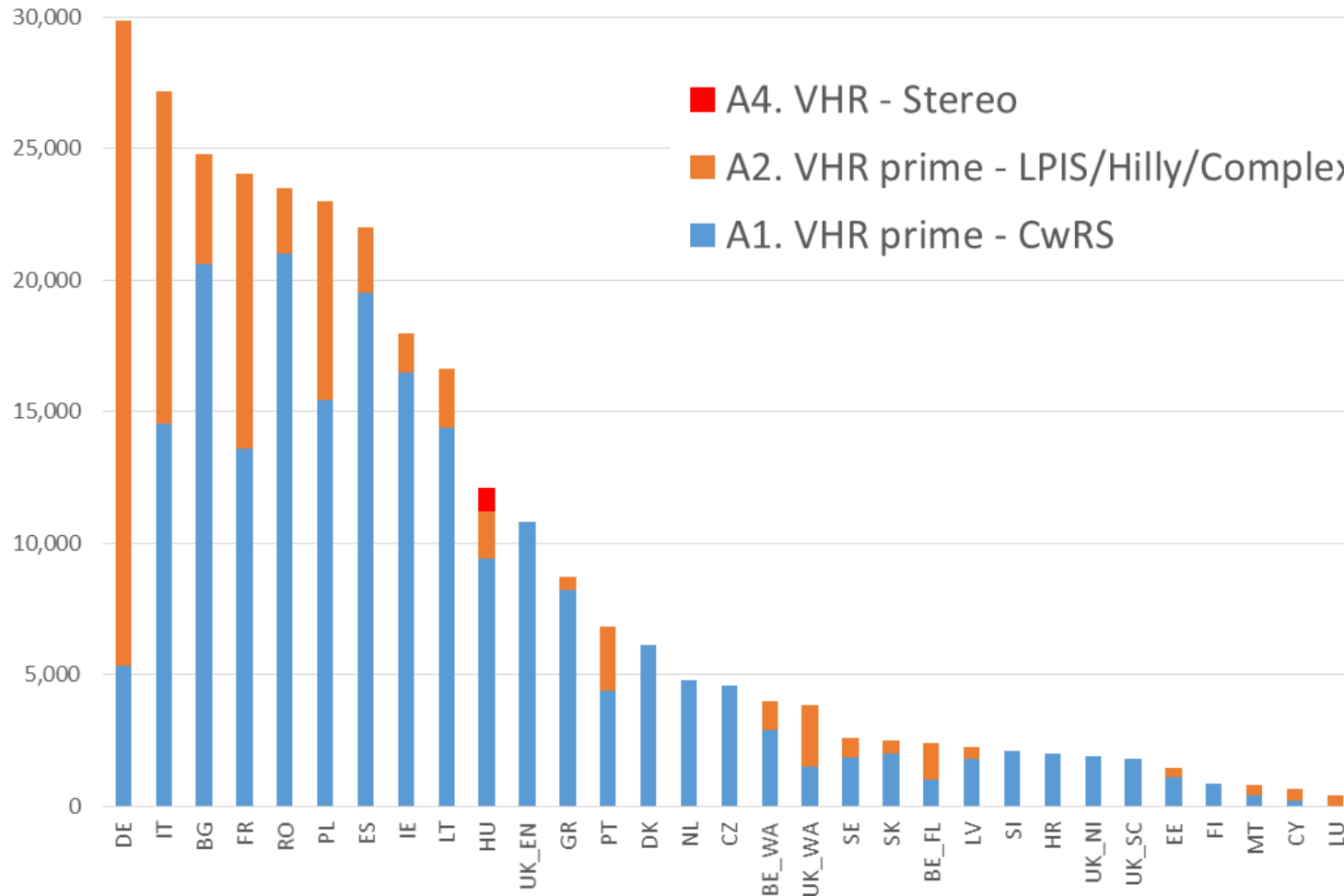
Second VHR

2 VHR + HR in: DE, and HU

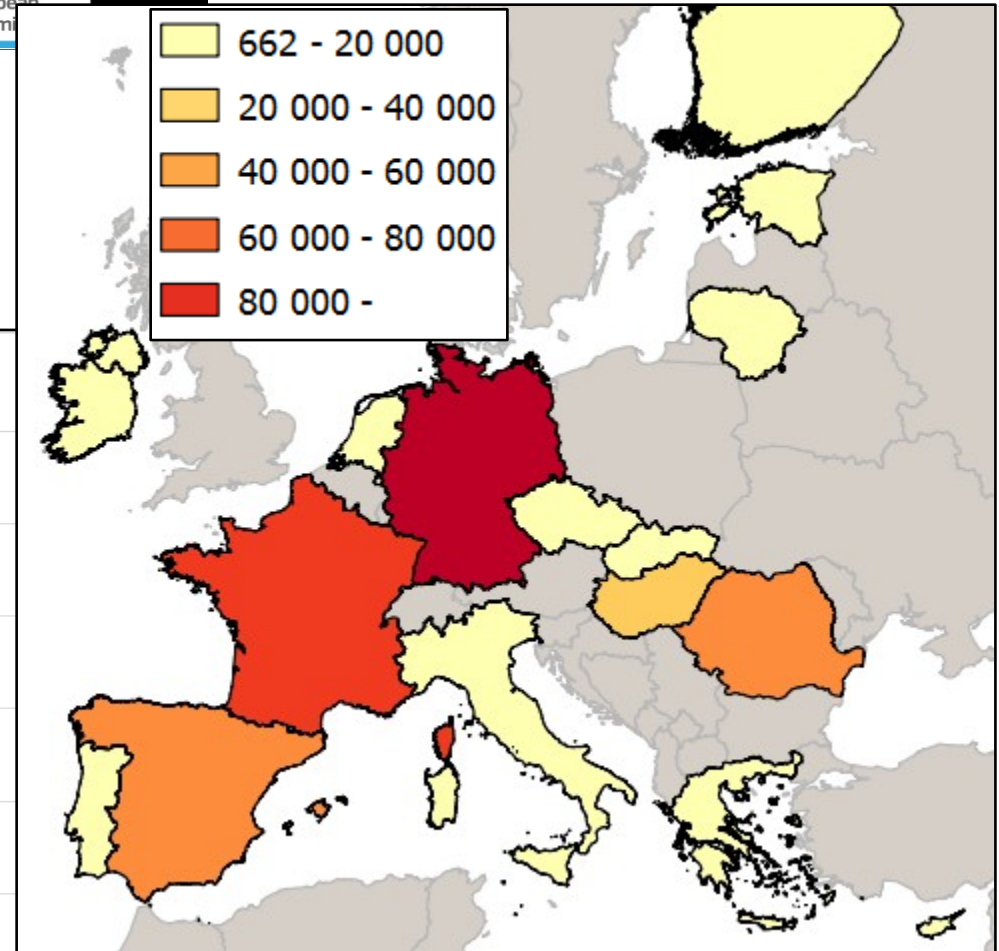
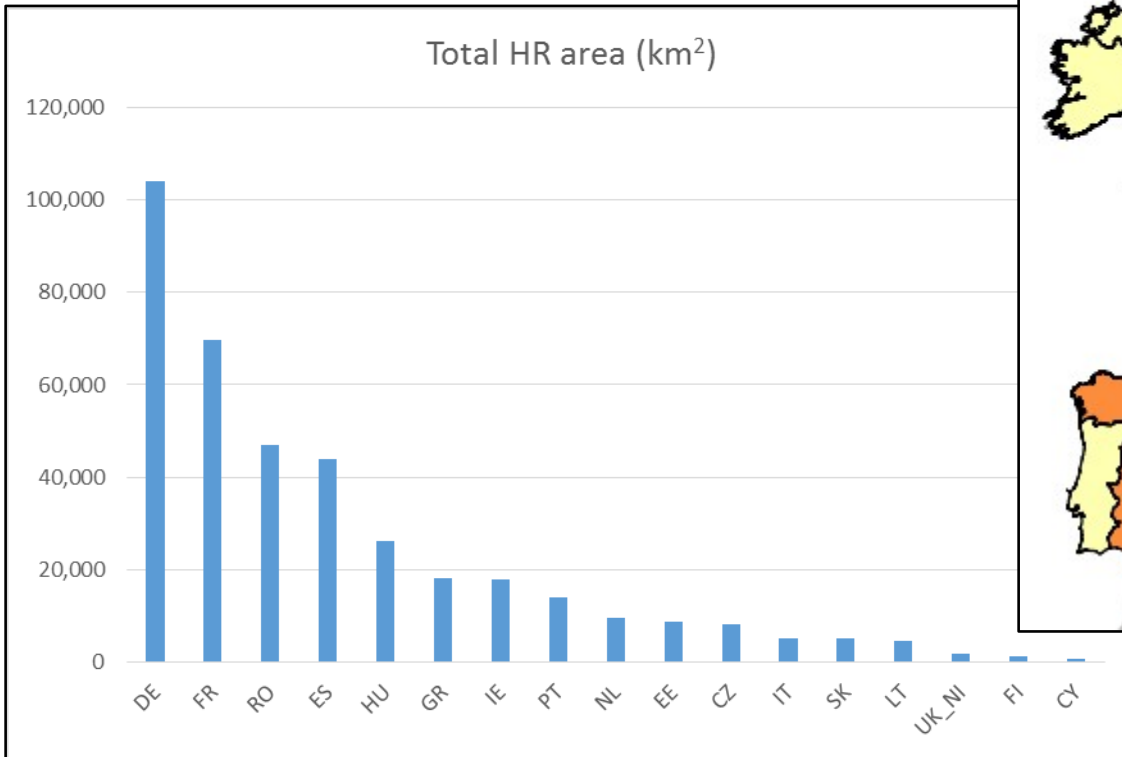
2 VHR only: BG, SI, HR, MT
DE, LV

VHR area (km²) by profile

- A4. VHR - Stereo
- A2. VHR prime - LPIS/Hilly/Complex
- A1. VHR prime - CwRS



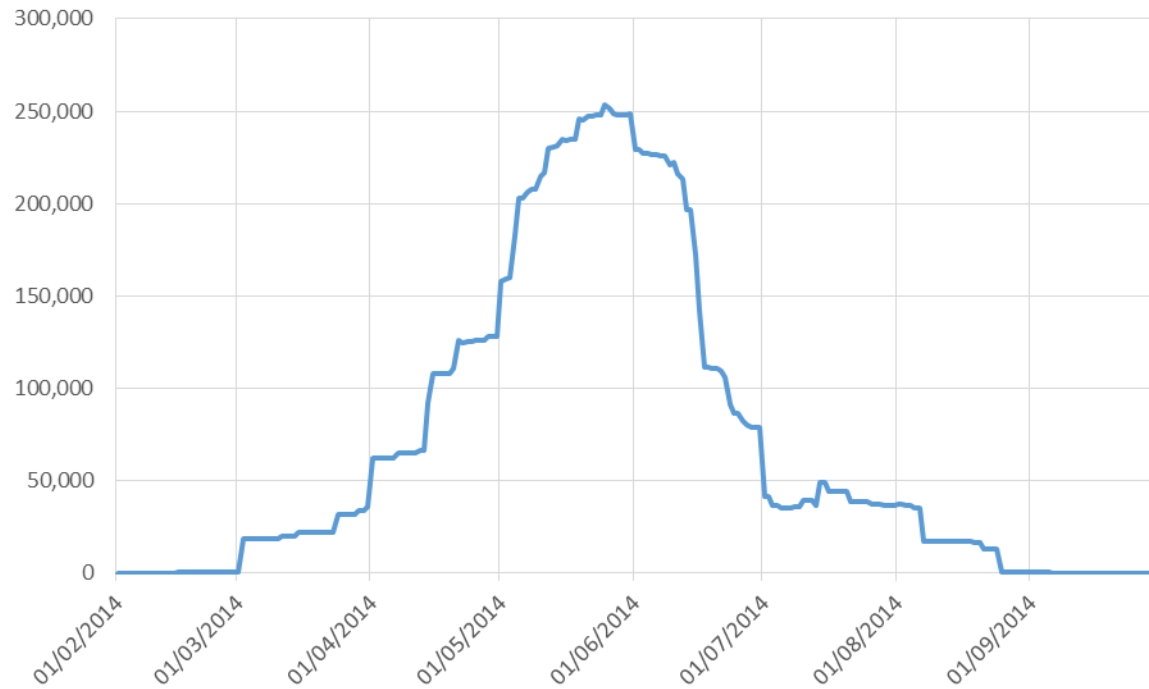
HR areas by MS (km²)



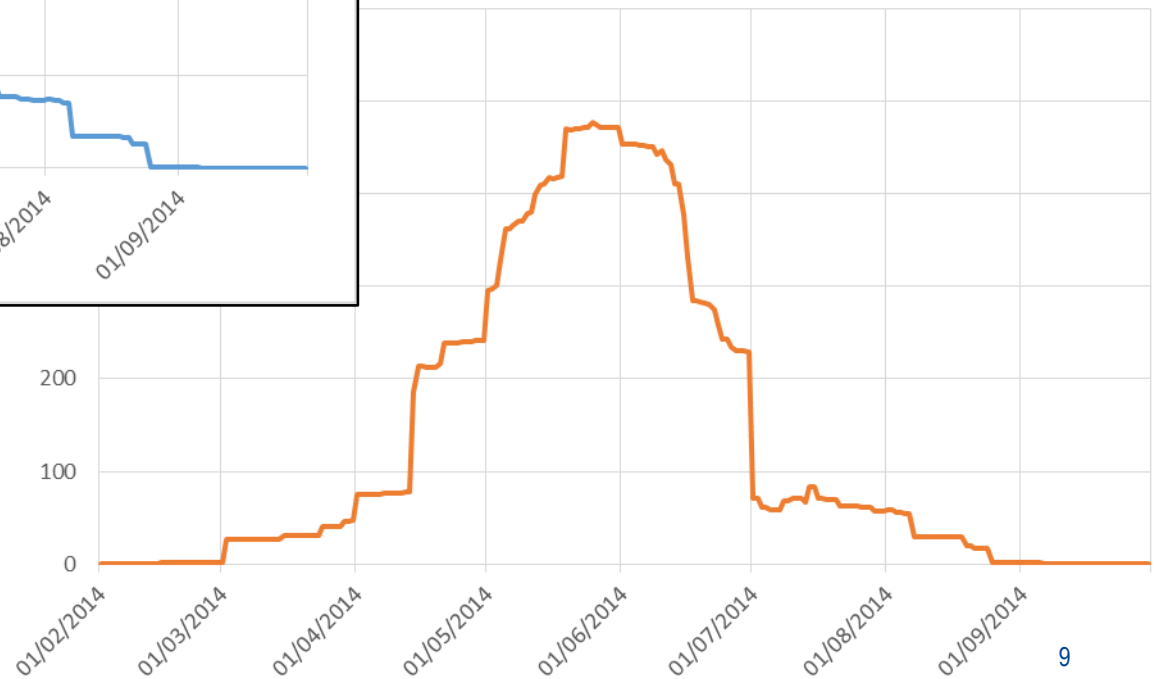
Includes only windows
HR(-1), HR(+1), HR(+2), HR(+3)

VHR windows

VHR area open



Number of VHR zones open





Where are we now? VHR

- Hand over to EUSI at KO Meeting 29-30/01/2014
- Opened windows over: IE (24*1 zones), MT (1*2 zones) (1st acquired 15/02)
- Feasibility ongoing by EUSI (CY, UK, ES, IT, PL, DE ready ...); contacts ongoing
- **VHR profiles:** VHR prime-CwRS; VHR prime-LPIS and CwRS/LPIS
"hilly/mountainous" or "complex topology"; VHR prime-panchromatic only; VHR-Stereo; VHR backup; VHR archive;
- **Sensors used:** prime: WV1/2, GE1, QB2, backup: WV1, IK2, and ErosB
- The backup and archive will be accepted by MS Administration at their own judgment in G-LIO and will not exceed 10% of area;



Where are we now? HR

- KO Meeting 17-18/02/2014 with SpotImage, hand over will occur on 10/03/2015
- Autumn/winter on old regime (i.e. old LioDotNet)
 - *Autumn: 66/66 images acquired (FR, ES, PT, UK) : 100% success rate*
 - *Winter: 89 image requests; 77/89 acquired (IE 22/24, DE 9/10, BE- FLA2/2, CY2/2, PT 4/4, IT 38/47) : windows still open in DE, and IT)*
- HR-1 on new regime (by JRC until 10/03/2014)
 - *23 opened windows; (ES 6, NL 8, DE 5, PT 4)*
- Iteration with MS Administrations by SPOTImage will start as soon as possible.



Where are we now? HR

- **HR profiles**: HR - CwRS 'validated or proposed'-pansharp; HR-CwRS 'validated or proposed'-multispectral; HR - CwRS 'retained'; HR - CwRS 'archive';
- **Sensors used**: Multispectral Pansharp profile will be served by SPOT 5, 6, Formosat2, while the Multispectral will be served by SPOT 5, 6, Formosat2, UK-DMC2, or Deimos-1
- The retained, and archive will be accepted by MS Administration at their judgment in G-LIO and will not exceed 10% of area

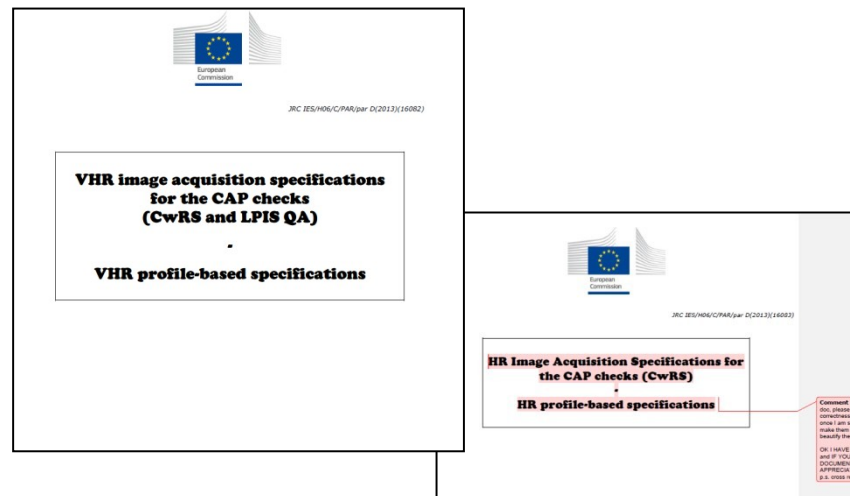


Issues (both HR and VHR)

- Pls. communicate your point of contacts to EUSI, and SpotImage
- EUSI and SpotImage to communicate when there is interaction needed between window openings HR/VHR
- Pls. communicate window changes due to adverse climate or hazards asap to EUSI, and SpotImage
- Not only VHR, but also HR orthorectified imagery needs to be returned to JRC. This will be via the FW Contractor so pls. listen to their advise to come.
- Can we have VHR multisensor coverages over a control zone – YES
- 4/8 bands – at the discretion of EUSI – such profile could be introduced if MS Administrations require it.
- Will we try to introduce a new profile for “extreme mountainous” zones – yes
- Next new sensors: VHR: Kompsat3, HR: SPOT7

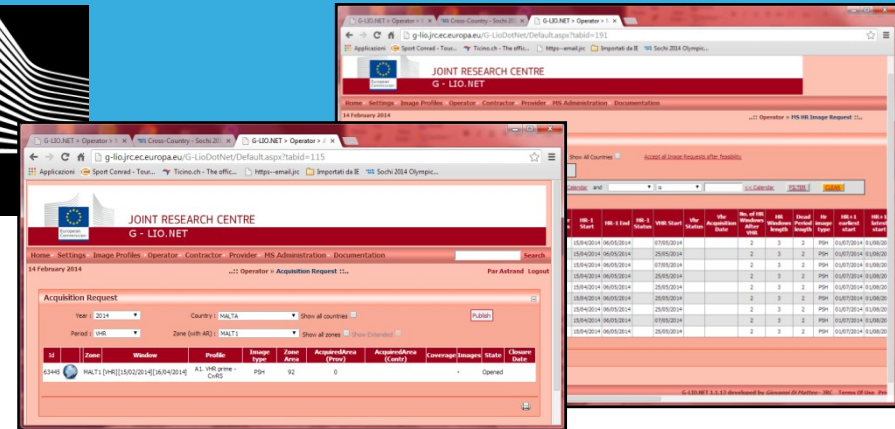
Issues (both HR and VHR)

- 2014 VHR and HR specifications (new!) are now out for comments (VHR on website <http://cidportal.jrc.ec.europa.eu/home/image-acquisition> and in G-LIO <http://g-lio.jrc.ec.europa.eu/g-liodotnet/>, HR will be uploaded directly after this KO)
- Manuals and other relevant documentation in G-LIO under Documentation





New G-LIO.NET



G-LIO.NET: new enhanced version of LioDotNet to be used for Campaign 2014

- Main new developments: accommodate for SRS image 'profiles', new user 'roles', delivery by validated Acquisition, basket of 'billable' Acquisitions
- Next presentation will detail G-LIO ...

Attention!

- Increased role of contractor to react fast since delivery is by validated acquisition (no need to wait for a whole control zone to be covered, no need to wait for any ordering); also a confirm of area of imagery delivered is required.
- Set your mail notifications correctly so you get right emails !



...at last: what were the goals of the “outsourcing”

The awarded framework contractor/s (EUSI, and SpotImage) will take all necessary measures to:

- reach the goal of minimum 95% success rate of image supply on time, according to specifications
- ensure a successful communication and liaison between stakeholders
- ensure a correct treatment of confidentiality / sensitivity issues, and avoidance of conflict of interest

The JRC will control the quality of the supply and related services; and remember that simsEC-iat@jrc.ec.europa.eu is always available for advice.

But we need the good and fast collaboration with you and your contractors for a successful campaign



...at very last: the team

In collaboration with DG AGRI / GTCAP !

In collaboration with the FW Contractors: EUSI, and SpotImage



In collaboration with all of you 27 MS Administrations, and your contractors