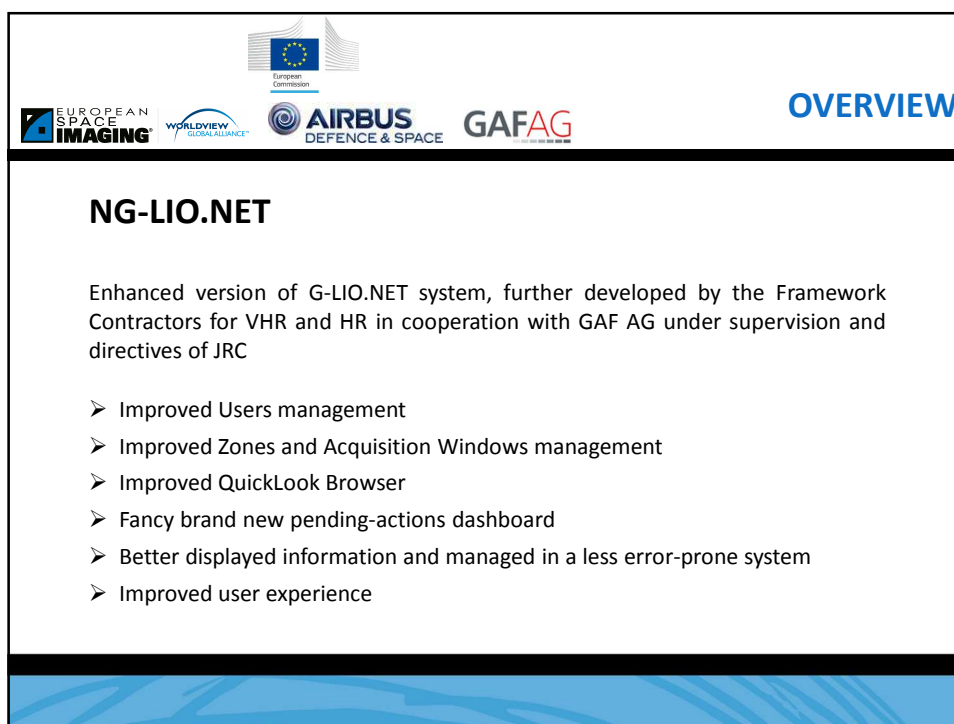


European Commission  
EUROPEAN SPACE IMAGING  
WORLDVIEW GLOBAL ALLIANCE  
AIRBUS DEFENCE & SPACE  
GAFAG

NG-LIO.NET for the CAP

Seminar level  
Room 5-6

19<sup>th</sup> - 20<sup>th</sup> November 2014, Dresden



European Commission  
EUROPEAN SPACE IMAGING  
WORLDVIEW GLOBAL ALLIANCE  
AIRBUS DEFENCE & SPACE  
GAFAG





OVERVIEW

## NG-LIO.NET

Enhanced version of G-LIO.NET system, further developed by the Framework Contractors for VHR and HR in cooperation with GAF AG under supervision and directives of JRC

- Improved Users management
- Improved Zones and Acquisition Windows management
- Improved QuickLook Browser
- Fancy brand new pending-actions dashboard
- Better displayed information and managed in a less error-prone system
- Improved user experience





OVERVIEW

## NG-LIO.NET

- The new system will be on line on the **15<sup>th</sup> January 2015**
- MSs will have to insert Image Requests for periods of interest from HR-1 to HR+3, both HR and VHR, approximatively by the end of February 2015
- G-LIO users will be exported to the new system
- Same roles as before
- Same workflow
- More focus on information, not spread and easily consultable

NEW FEATURES

	AVAILABLE FOR		
	Operator /Image Provider (FWC)	JRC/Superuser	MS Administrations /Contractors
New users management	✓	✓	
New enhanced visual components	✓	✓	✓
New features for Acquisition Zones	✓	✓	✓
New Image and Acquisition Request management	✓	✓	✓
Gantt Chart-like Acquisition Windows overview	✓	✓	✓
New QuickLook-Browser	✓	✓	✓
Brand new pending-actions dashboard	✓	✓	✓

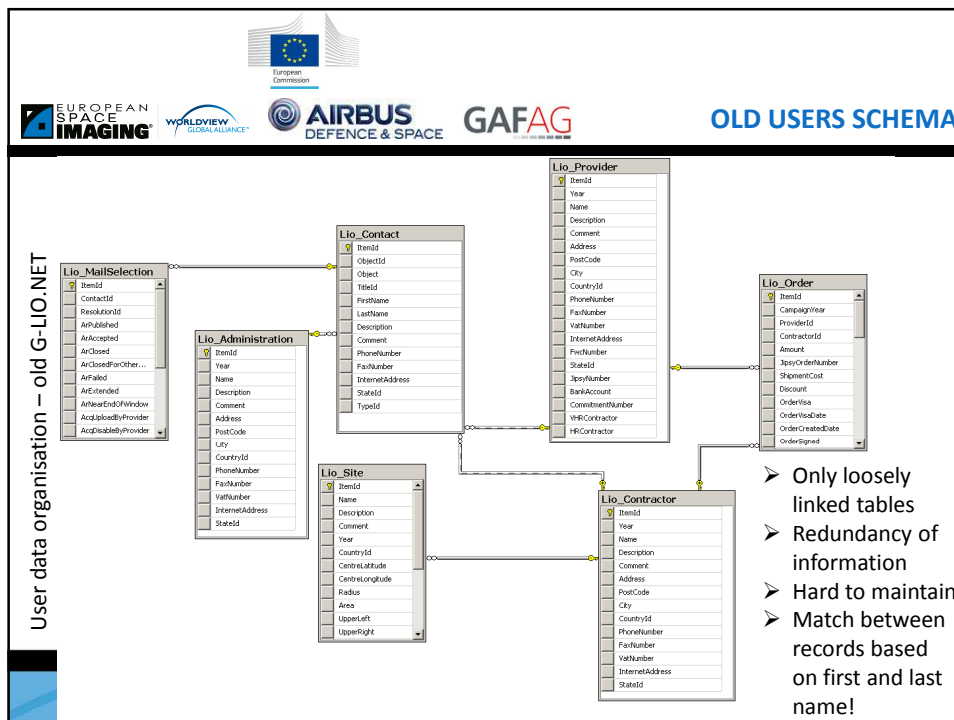


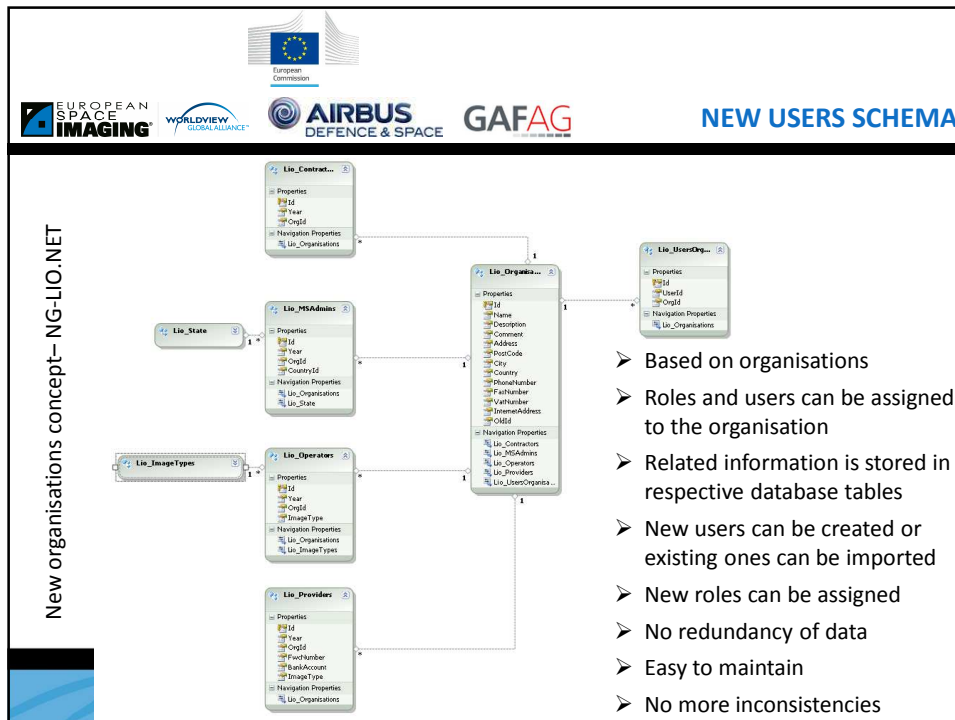







## Users management





NEW USERS MANAGEMENT

European Space Imaging, WorldView Global Alliance, Airbus Defence & Space, GAFAG

JOINT RESEARCH CENTRE NG-LIO.NET

Home Settings **User Management** Image Profiles JRC Operator Contractor Provider MS Administration Documentation

**Users can belong to Organisations, whose role can be "Operators", "MS Administration", "Provider", "Contractor"**

**ANNOUNCEMENTS**

Reference points for the 2014 call  
The correct point for any issue regarding  
Zone definition and Image Request  
MS administration cannot change zone definition and Image Request any more. If you still like to make changes please contact simc@ec.europa.eu.





Dear User, for any G-LIO.NET issue or request (e.g. creation/updates of users, acquisition uploads problems, and visualization problems), you can write to the functional inbox [liu@ec.europa.eu](mailto:liu@ec.europa.eu).

**IMPORTANT CONTACTS**

Name	Role	e-Mail	Telephone	Telephone 2
Adrian P. John	simc@ec.europa.eu Project leader	<a href="mailto:adrian.john@ec.europa.eu">adrian.john@ec.europa.eu</a>	+39 0332 78 6215	
CuRS Team - BAS G-Link	VH6 Operator, VH6 image provider	<a href="mailto:CuRS@basimaging.com">CuRS@basimaging.com</a>		
CuRS Team - SpotImage SA	HR operator, VH6 image provider	<a href="mailto:CuRS@spotimage.fr">CuRS@spotimage.fr</a>		
G-LIO.NET Administrator	G-LIO.NET System Administrator	<a href="mailto:liu@ec.europa.eu">liu@ec.europa.eu</a>	+39 0332 78 6987 - Giovanni Di Matteo	
simc@ec.europa.eu	JRC supervisors	<a href="mailto:simc@ec.europa.eu">simc@ec.europa.eu</a>	+39 0332 78 5323 - Ignacio San Miguel	+39 0332 78 5791 - Claudia Wilmhardt

NG-LIO.NET 0.815

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## NEW USERS MANAGEMENT Creation of new Organisations

NG-LIO.NET > User Man...

localhost/ng-liodotnet/Default.aspx?tabid=300&ctl=Edit&mid=1744&itemid=7

Admin Host Tools Help Modules Pages Users Edit Page

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation

### EDIT OPERATOR

Campaign Year: 2014

Name: EUSI

Postal Code: D-80634

Country: GERMANY

Fax: +49 89 13 01 42 22

VAT Number: DE 813 534 425

Description: European Space Imaging

Comments: GB, WorldView1.2 GeoEye-1

Image Type: VHR

Address: Amulstrasse 199

City: Munich

Telephone: +49 89 13 01 42 22

Email:





[Save](#) [Cancel](#)

**Adding a new Organisation**

User

	UID	Username	Last Name	Firstname	Email	Telephone	Pin
	605	Michaela	Neumann	neumann	mneumann@eusi.de		
	607	Susanne	Oberdorf	soberdorf	l@t.t		

[Add](#) [Import](#)

## NEW USERS MANAGEMENT Creation of new Organisations

NG-LIO.NET > User Man...

localhost/ng-liodotnet/Default.aspx?tabid=302

Admin Host Tools Help Modules Pages Users Edit Page

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation

### NG-LIO.NET > MS Administrators > Import Organisation as MS Administrator

Year: 2014

Organisation: Abaco Srl

Country: AUSTRIA

[Save](#) [Cancel](#)

**Importing an existing Organisation**

MEMBER	Year	Country	Organisation	Address	City	Telephone	Pin
1	2014	PORTUGAL	ROMANIA	17 Carol I Boulevard, sector 2	Bucharest	0040213054899	
2	2014	SLOVAKIA	APA (updated 09/10)	Dobrovecova 12	Bratislava	815 26	
3	2014	SLOVENIA	SAVRS	Domskova 501	Ljubljana	500	

**NEW USERS MANAGEMENT**  
Add a new user

European Space Imaging | WorldView Global Alliance | Airbus Defence & Space | GAFAG

NG-LIO.NET > User > Edit

First Name:

Last Name:

User Name:

Email:

Telephone:

Fax:

Password:

***Creating a new User  
for current Organisation***

ID	UserID	FirstName	Last Name	Username	Email	Telephone	Fax
596	Edith	Simone	Simone	esimone@eusi.de			
606	Michaela	Neumann	neumann	mneumann@eusi.de			
607	Susane	Oberdorf	soberdorf	nul@mail.net			
611	Agnieszka	Walczyńska	aga	awalczyńska@euspacemaging.com			

**NEW USERS MANAGEMENT**  
Assign role to user


European Space Imaging | WorldView Global Alliance | Airbus Defence & Space | GAFAG

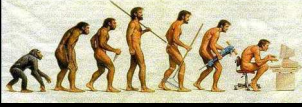
NG-LIO.NET > User > Assign Role to Existing Users

Unprivileged Users: Agnieszka Walczyńska, John Smith


Privileged Users: Michaela Neumann, Susane Oberdorf, Edith Simone

***Assigning a Role to existing Users***






## New Graphical Components



## NEW GRAPHICAL COMPONENTS


**JOINT RESEARCH CENTRE  
NG-LIO.NET**





[Home](#)
[Settings](#)
[User Management](#)
[Image Profiles](#)
[JRC](#)
[Operator](#)
[Contractor](#)
[Provider](#)

### MEMBER STATE ADMINISTRATORS

Year:

**Sort functionality for any column of any table**

Edit	Id	Country	Name	Address	PostCode	City
	1	AUSTRIA	Agramarkt Austria	GB I/Abt. 4 Dresdner Straße 70	A-1201	Wien
	2	BELGIUM	EWBL and MRV			
	3	BULGARIA	State Fund for Agriculture			
	13	CROATIA	GEOCAP budget			
	4	CZECH REPUBLIC	SZIF			
	6	DENMARK	FødevareErhverv abbreviated FERV	Nyropsgade 30,	1780 Kbh.	København V
	7	ESTONIA	ESTONIA			
	9	FINLAND	Agency For Rural Affairs	Opatinsilta 12 B	00520	HELSINKY
	10	FRANCE	ASP [Agence Unique de Paiements]			
	5	GERMANY	BMVEL	Rochusstraße 1	DE_53123	BONN
	12	GREECE	Opekepe			
	14	HUNGARY	ARDA	Soroksári út 22-24.	H-1095	Budapest



NEW GRAPHICAL COMPONENTS

NG-LIO.NET - User Menu

localhost/ng-liodotnet/Default.aspx?tabid=302

Localize

Admin Host Tools Help Modules Pages Users

Edit Page

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation





MEMBER STATE ADMINISTRATORS

Year: 2014

Export to Excel functionality

Add Import

Country ID	Name	Address	Post code	City	Phone/telex	Email
1	AUSTRIA	Agrammarkt Austria	GB 11401, 4 Dresdner Straße 70	A-1201	Wien	+1 331 51-170
2	BELGIUM	EWBL and MRV				
3	BULGARIA	State Fund for Agriculture				
13	CROATIA	GEODAP Budget				
4	CZECH REPUBLIC	SZF				
6	DENMARK	FederaleEhvan, abbreviated FERV	Nyropsgade 30,	1780 Kbh	København V	+45 3395 8724
17	ESTONIA					
9	FINLAND	Agency For Rural Affairs	Opassinkita 12 B	00520	HELSINKI	+358 40 820 53 48
10	FRANCE	ASP [Agence Unique de Paiements]				
5	GERMANY	BMVEL	Rochusstraße 1	DE_53123	BONN	
12	GREECE	Opelepe				
14	HUNGARY	AREDA	Soroksári út 22-24	H-1096	Budapest	
16	ICELAND	NLS				
15	IRELAND	Dept of Agri & Food				
17	ITALY	Agenzia per le Politiche in Agricoltura (AGEA)				
20	LATVIA	Rural Support Service				
18	LITHUANIA	National Paying Agency				
19	LUXEMBOURG	Administration des Services Techniques de l'Agric	B.P. 1904	L-1019	Luxembourg	+352 45 71 72 - 354
21	MACEDONIA	Agency for financial support in agriculture	Uld "Tista Makedonska Brigada" 1b	1000	Skopje	+386023097983, fax: 501
22	MALTA	ARPA - Agricultural and Rural Payments Agency	Ghammen Farm, Lusa Road	QRM 9075	Qormi	0356 2292 4251 victor.a.vela@gov.mt
23	NETHERLANDS	Dienst Regelingen				
24	POLAND	POLAND				
25	PORTUGAL	PORTUGAL				
26	ROMANIA	ROMANIA	17 Carol I Boulevard, sector 2		Bucharest	0040213054899
29	SLOVAKIA	APA [updated 08/10]	Dobrevicova 12	815 26	Bratislava	
28	SLOVENIA	AASRD	Dunajska 160	1000	Ljubljana	



Workflow elements management






Acquisition Requests

Acquisition Windows

Image Requests

Acquisition Zones








## HOMOGENEOUS ZONE, WINDOW, IMAGE & ACQUISITION REQUEST

**(Old) G-LIO.NET**

- All data related to an Image Request (i.e. Acquisition Windows, length of dead period, etc.) were directly stored within the Image Request  
 → The whole system was quite inflexible

**(New) NG-LIO.NET**

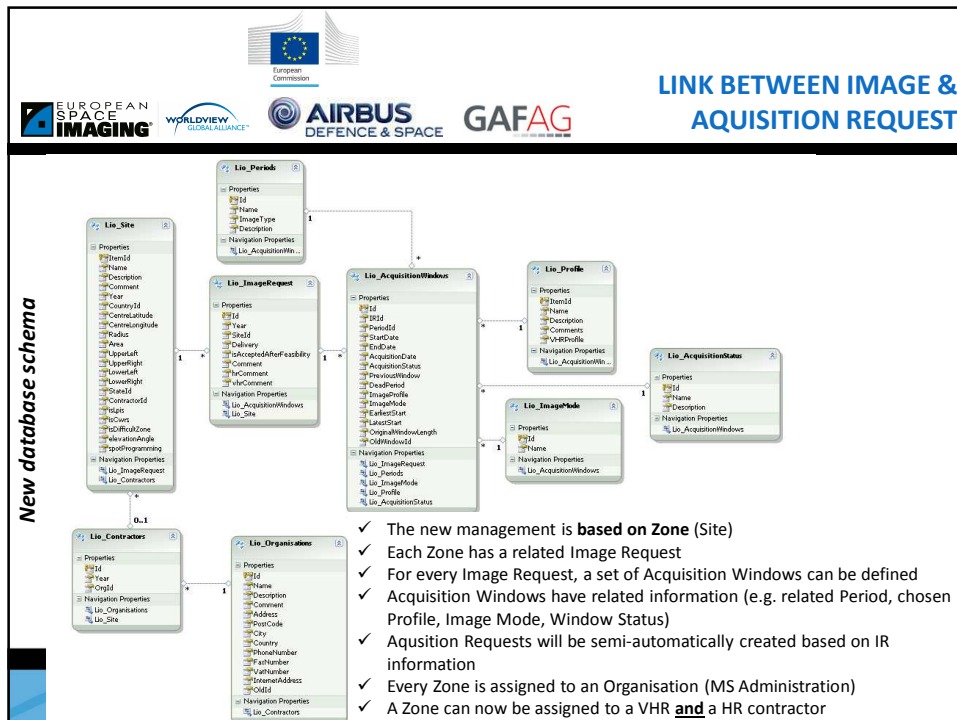
- All data related to a Zone are stored separately
- For each Zone a number of parameters can be stored in the respective table
- Information stored for Zone, Window, Image Request and Acquisition Request can be linked
- Interoperability between HR and VHR windows
- Some data validation (e.g. prevention of windows overlap, dead period controls) is already done automatically during data entry  
 → Very flexible system

## ACQUISITION WINDOWS MANAGEMENT

**(New) NG-LIO.NET**

- Possibility for new Acquisition periods:
  - VHR1 and VHR2 (choosing possible different VHR profiles)
  - HRB1 and HRB2 – HR windows between the two VHR ones
- Definition of Acquisition Windows still follows the usual rules:
  - start and end dates for VHR windows and Autumn, Winter and HR-1
  - Window length and Dead Period for all the other HR windows



**ACQUISITION ZONES**  
Add and edit zones

NG-LIO.NET > JRC > NG-LIO.NET

localhost/ng-liodotnet/Default.aspx?tabid=307

Admin Host Tools Help Modules Pages Users Edit Page

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation

**LIOSITES**

Year: 2014 Country: AUSTRIA

**Add**

ID	M	Name	Description	IsActive	IsActive	IsActive	Area	Comment	Status
4443		SVBG	Südliches Voralberg, viele Almen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	625		Active
4444		OTIR	Zentrales Osttirol, viele Almen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	625		Active
4445		NSBG	Viele Almen, nördliches Salzburg wobei der kleiner	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	625		Active
4446		TEST	This is the description of the TEST Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50		Active
4450		YASH	yashas zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50		Active
4451		TTTST	This is the TTTST test Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	102		Active

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**Everything starts with adding a new Zone**

**ACQUISITION ZONES**  
Edit zones

**Define Zone parameters and upload the zone shape file**

Year: 2014  
Country: FRANCE  
Name: AMBI  
Description:  
Comments:  
HR Contractor: IGN Espace  
VHR Contractor: LATITUDE GEOSYSTEMS - GEOSERVE BV  
CWS Zone: ☒  
LPIS Zone: ☐  
Difficult Zone: ☐  
Shapefile: Choose File  
Area (km² UTM): 473  
State: Active

**Benefits**

- ✓ Assignment of different contractors for HR and VHR is now possible
- ✓ Direct upload of shapefile → geometry stored in spatial table in the database
- ✓ Zone Area automatically calculated

**ACQUISITION ZONES**  
Edit zones

**Upload of zone shapefile → geometry stored in the database**

Year: 2014  
Country: FRANCE  
Name: AMBI  
Description:  
Comments:  
HR Contractor: IGN Espace  
VHR Contractor: LATITUDE GEOSYSTEMS -  
CWS Zone: ☒  
LPIS Zone: ☐  
Difficult Zone: ☐  
Shapefile: AMBI.zip  
Area (km² UTM): 473  
State: Active

SQL Query1.sql - (local)\SQLEXPRESS\G-LioDotNetproduction\_2014\GAF.DE\moryas (53)\* - Microsoft SQL Server Enterprise Manager (Administrator)

```
select ItemId, NAME, YEAR, AREA, ElevationAngle, geom from Lio_Site where geom is not null
```

ItemId	NAME	YEAR	AREA	ElevationAngle	geom
1	4055	2014	396,3182	> 67	0x00000000010463000000F5D7378340193040F16F6C4D6...

Query executed successfully. (local)\SQLEXPRESS\G-LioDotNetproduction\_2014\GAF.DE\moryas (53)\* 00:00:00 1 rows



**IMAGE REQUEST & WINDOWS**  
Add and edit Image Requests

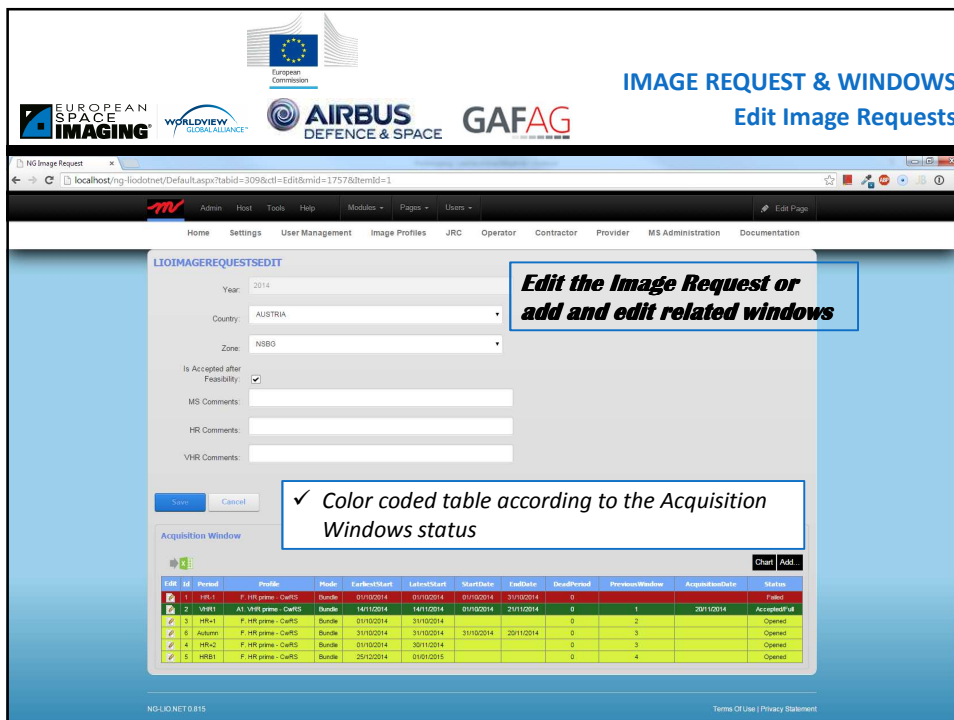
JOINT RESEARCH CENTRE  
NG-LIO.NET

Year: 2014 Country: AUSTRIA

Edit	Id	Site Name	InContractor	ViaContractor	Comment	InComment	ViaComment
1	NSBG		MFA-Profbenche - II/5/16	MFA-Profbenche - II/5/16			
4	OTIR						

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**To click "add" to create a new Image Request for a Zone, or use the pencil to edit an existing one**



**IMAGE REQUEST & WINDOWS**  
Edit Image Requests

JOINT RESEARCH CENTRE  
NG-LIO.NET

Year: 2014 Country: AUSTRIA Zone: NSBG

Is Accepted after Feasibility: ☒

MS Comments:

HR Comments:

VHR Comments:

Save Cancel

**Edit the Image Request or add and edit related windows**

✓ Color coded table according to the Acquisition Windows status

Acquisition Window

Edit	Id	Profile	Role	EarliestStart	LatestStart	StartDate	EndDate	BandPeriod	ProvisionWindow	AcquiredStartDate	Status
1	HR-1	F. HR prime - CwRS	Bundle	01/10/2014	01/10/2014	01/10/2014	31/10/2014	0	1	2011/2014	Failed
2	VR-1	AI. VHR prime - CwRS	Bundle	14/11/2014	14/11/2014	01/10/2014	21/11/2014	0	1	2011/2014	AcceptedFull
3	HR-1	F. HR prime - CwRS	Bundle	01/10/2014	01/10/2014	01/10/2014	31/10/2014	0	2		Opened
4	HR-2	F. HR prime - CwRS	Bundle	01/10/2014	01/10/2014	01/10/2014	31/10/2014	0	3		Opened
4	HR-2	F. HR prime - CwRS	Bundle	01/10/2014	30/11/2014			0	3		Opened
5	HR-1	F. HR prime - CwRS	Bundle	25/12/2014	01/01/2015			0	4		Opened

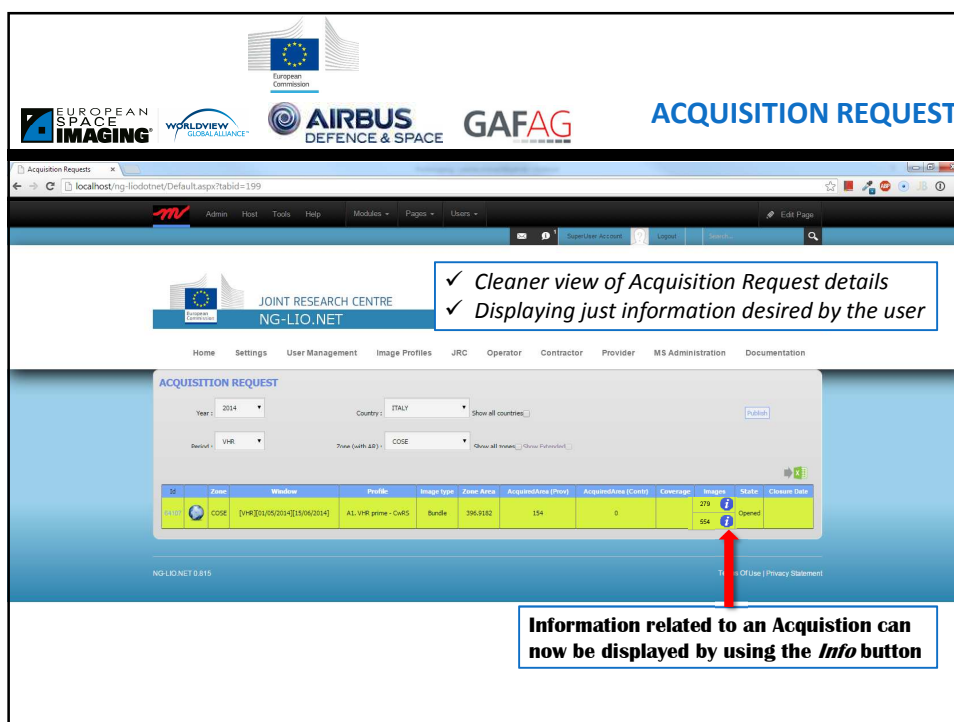
NG-LIO.NET 0.815 Terms Of Use | Privacy Statement

The screenshot displays the NG-LIO.NET web application. The main header includes logos for the European Commission, Airbus Defence & Space, and GAFAG. The page title is "IMAGE REQUEST & WINDOWS" with a sub-header "Edit window". The browser address bar shows the URL: localhost/ng-liodotnet/Default.aspx?tabid=309&ctrl=Edit&mid=1757&termid=1. The application interface has a navigation menu with options like Home, Settings, User Management, Image Profiles, JRC, Operator, Contractor, Provider, M3 Administration, and Documentation. The main content area is titled "LIODIMAGEREQUESTED" and features a large blue box with the text "Define and edit an Acquisition Window". Below this, a dialog box titled "NG-LIO.NET > AcquisitionWindow > LioAcquisitionWindowEdit" is open. The dialog contains several input fields and a calendar picker. A blue box highlights the "Dynamic validation" and "Interoperability between HR and VHR" features.

**Dynamic validation**

**Interoperability between HR and VHR**

[illegible]



**ACQUISITION REQUEST**

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation

**ACQUISITION REQUEST**

Year: 2014 Country: ITALY Show all countries: [button] Publish

Period: VHR Zone (with AO): CODE Show all zones: [button] Show Extended: [button]

ID	Zone	Window	Profile	Image type	Zone Area	AcquisitionArea (Prov)	AcquisitionArea (Cont)	Coverage	Images	Status	Close Info
1111	CODE	[VHR][EU/US/2014][15/06/2014]	A1 VHR prime - CxRS	Bunde	296.9182	154	0		279 554	Opened	[button]

NG-LIO.NET 0.815

**Acquisitions details pop-up**

Acquisition Request # 63625 Batch 2  
Image Request # 2328

Country: Germany  
Zone: DTS  
Area: SRS  
Period: VHR  
Status: AcceptedFull

**ACQUISITION REQUEST**

JOINT RESEARCH CENTRE  
NG-LIO.NET

Home Settings User Management Image Profiles JRC Operator Contractor Provider MS Administration Documentation

**ACQUISITION REQUEST**

Year: 2014 Country: ITALY Show all countries: [button] Publish

Period: VHR Zone (with AO): CODE Show all zones: [button] Show Extended: [button]

ID	Zone	Window	Profile	Image type	Zone Area	AcquisitionArea (Prov)	AcquisitionArea (Cont)	Coverage	Images	Status	Close Info
1111	CODE	[VHR][EU/US/2014][15/06/2014]	A1 VHR prime - CxRS	Bunde	296.9182	154	0		279 554	Opened	[button]

NG-LIO.NET 0.815

**Acquisitions details pop-up**

Acquisition Request # 63625 Batch 2

Acquisition Date: 2014-04-12  
Area: 293197  
Cloud Cover: 0  
Blaze: False  
Elevation Angle: 59

Delivery Status: Delivered: 2014-04-16  
Delivery note: [button]





Online Media: [button]

Received: 2014-04-17  
BQA: 2014-04-23  
Final Decision: Accepted

Status: Provider: Validated  
Contractor: Not Requested  
Operator: Accepted

Image Request # 2328

NEW










QUICKLOOK BROWSER

---

- ✓ OpenStreetMap Background
- ✓ QuickLooks in WMS
- ✓ Zone extent loaded from the geometry in the database
- ✓ Zoom/PAN functionalities
- ✓ Scale bar
- ✓ Fancy layers management (turn on/off, change order by drag&drop, download, meta information)
- ✓ Customisable Zone shape color

NEW

QUICKLOOK BROWSER

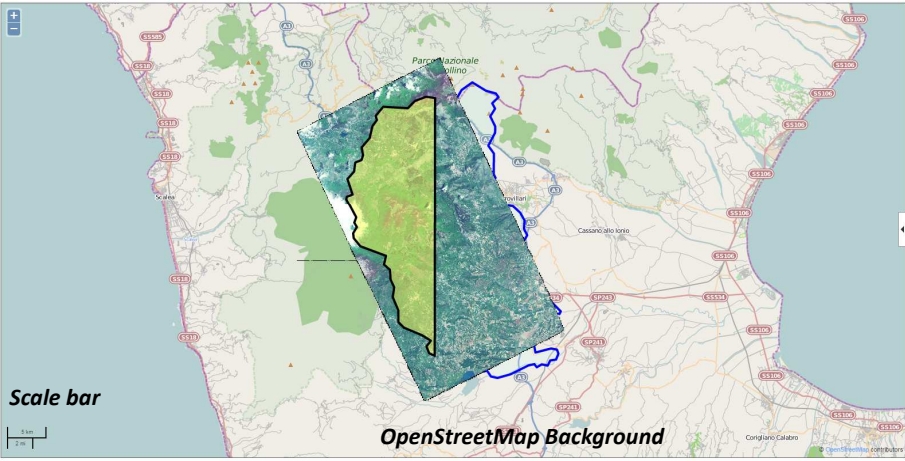
---

Acquisition Requests


localhost/ng-llo-dotnet/Default.aspx?tabid=199

Admin Host Tools Help Metadata Pages Users

Edit Page

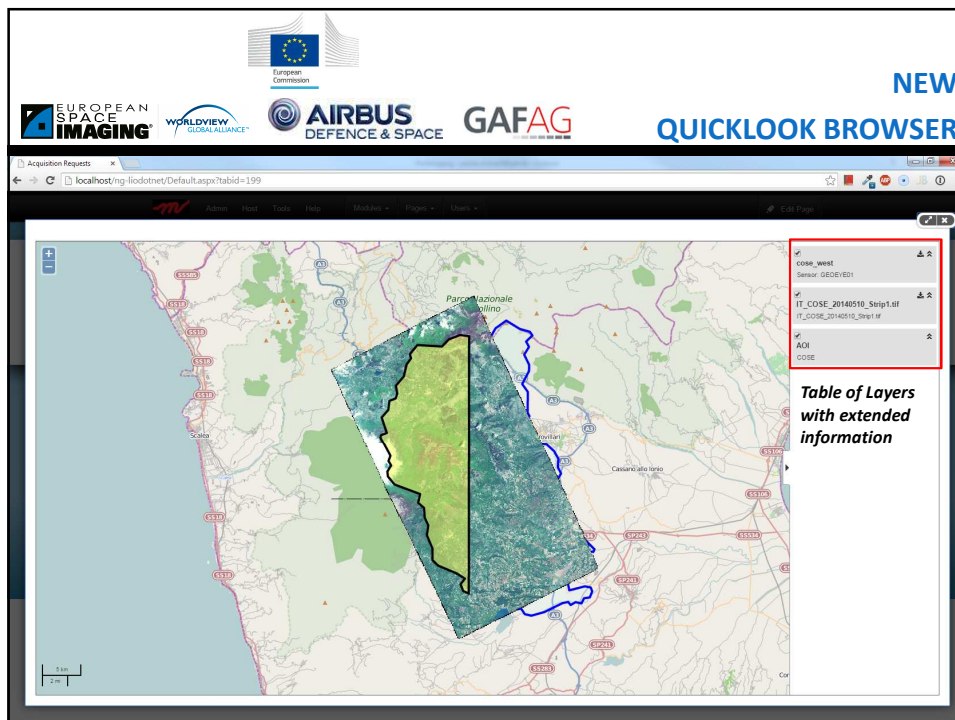
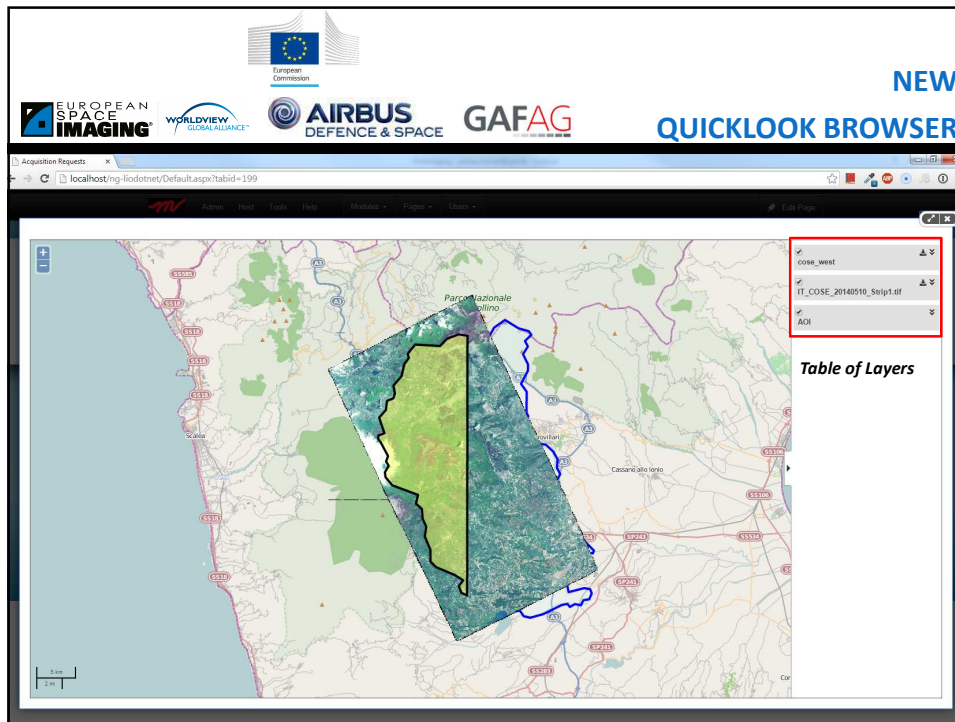


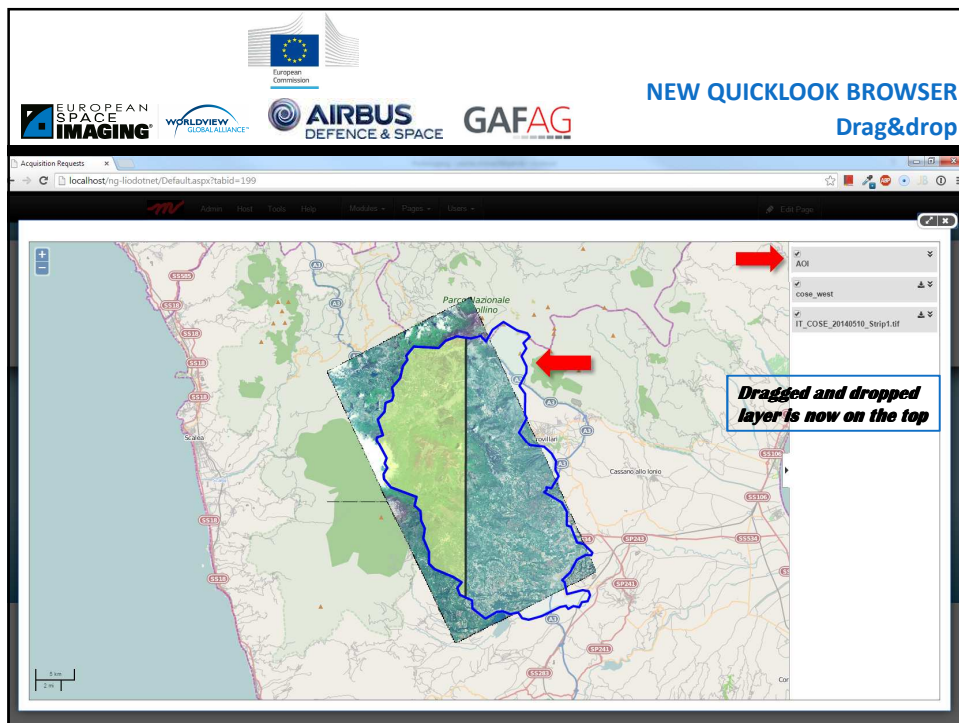
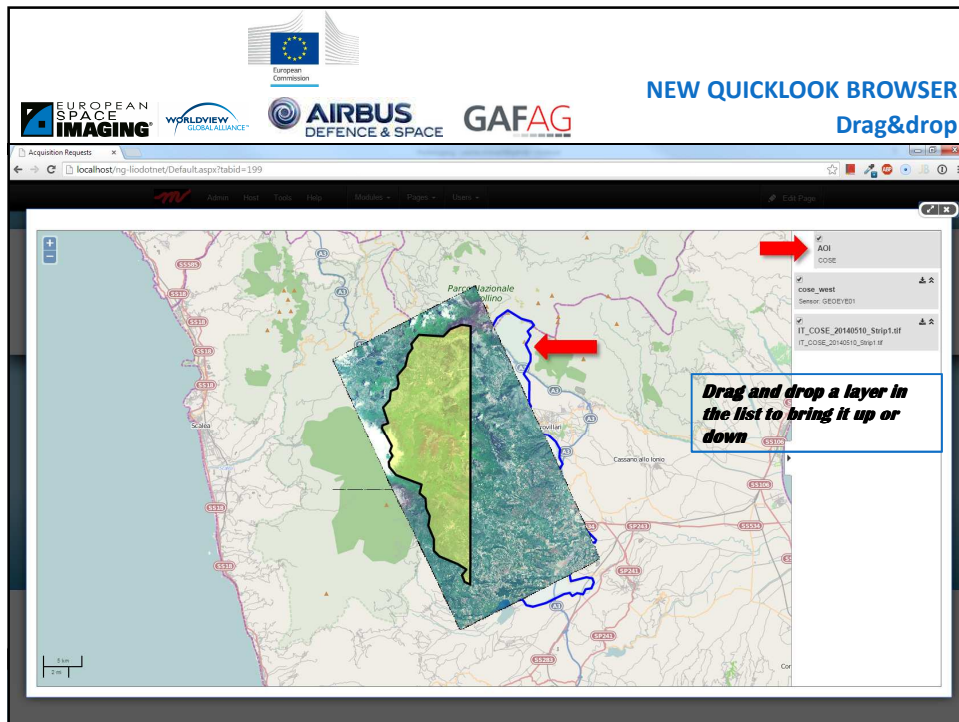
**Scale bar**

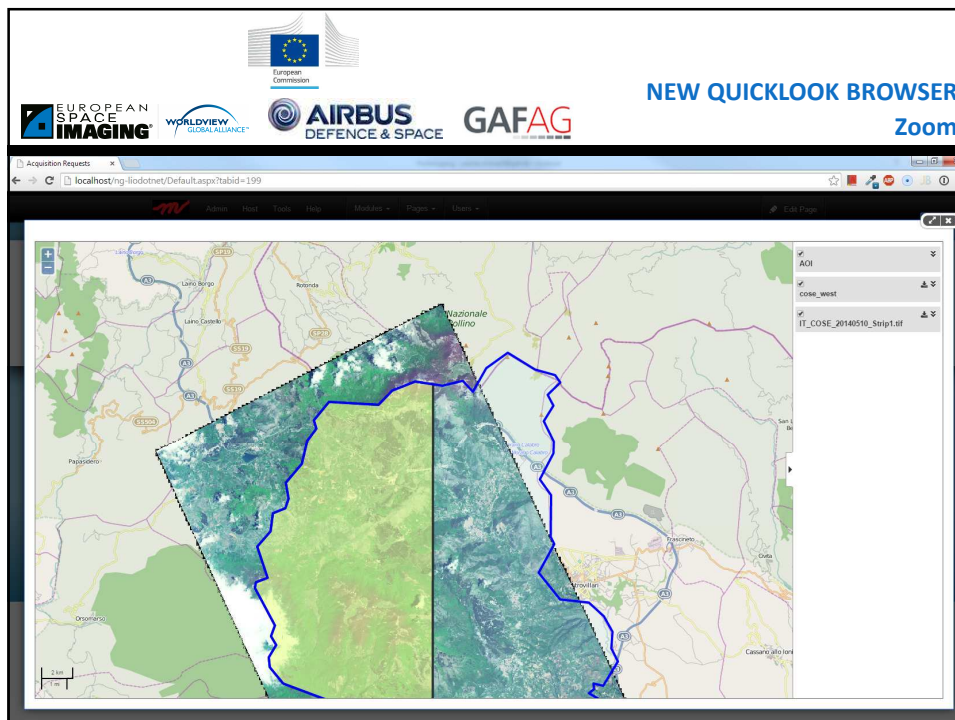
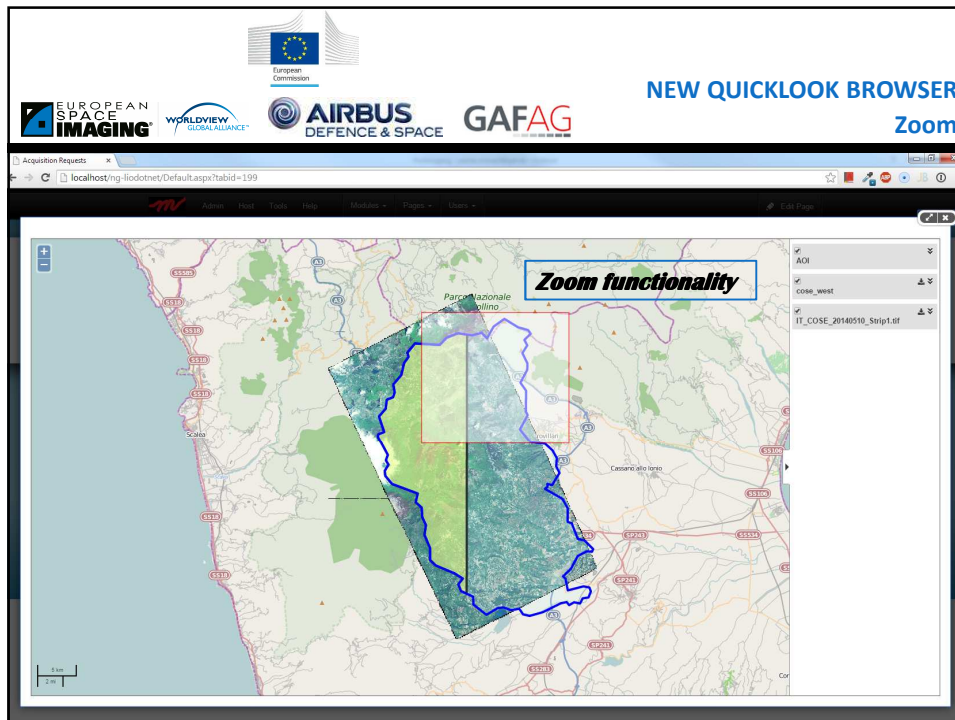


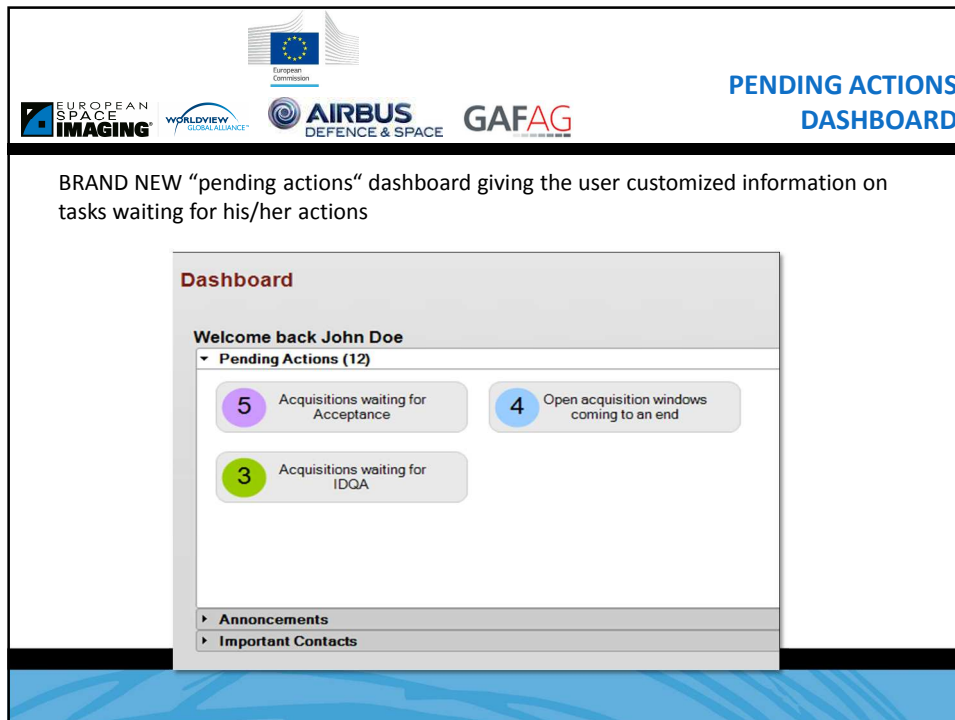
**OpenStreetMap Background**











**PENDING ACTIONS DASHBOARD**

BRAND NEW “pending actions” dashboard giving the user customized information on tasks waiting for his/her actions

**Dashboard**

Welcome back John Doe

▼ Pending Actions (12)

- 5 Acquisitions waiting for Acceptance
- 4 Open acquisition windows coming to an end
- 3 Acquisitions waiting for IDQA

► Annoncements

► Important Contacts



**WE ARE THANKING YOU**

**THANKS FOR WATCHING!**

See you on line on the 15<sup>th</sup> January 2015

**WE SERIOUSLY HOPE YOU WILL LIKE THE**  
NEW G-LIO