

SAFER and the GMES Emergency Response Service:

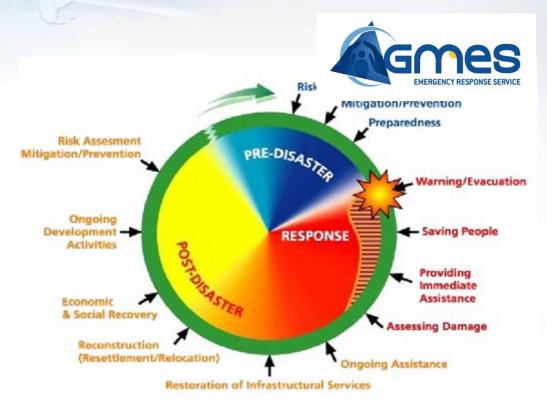
WFP experience





SAFER project peculiarities

Simplement and to validate a pre-operational version of the GMES Emergency Response Service.



Second environments of better quality of life, better health, and increased safety.



SAFER : key figures

Services and Applications For Emergency Response

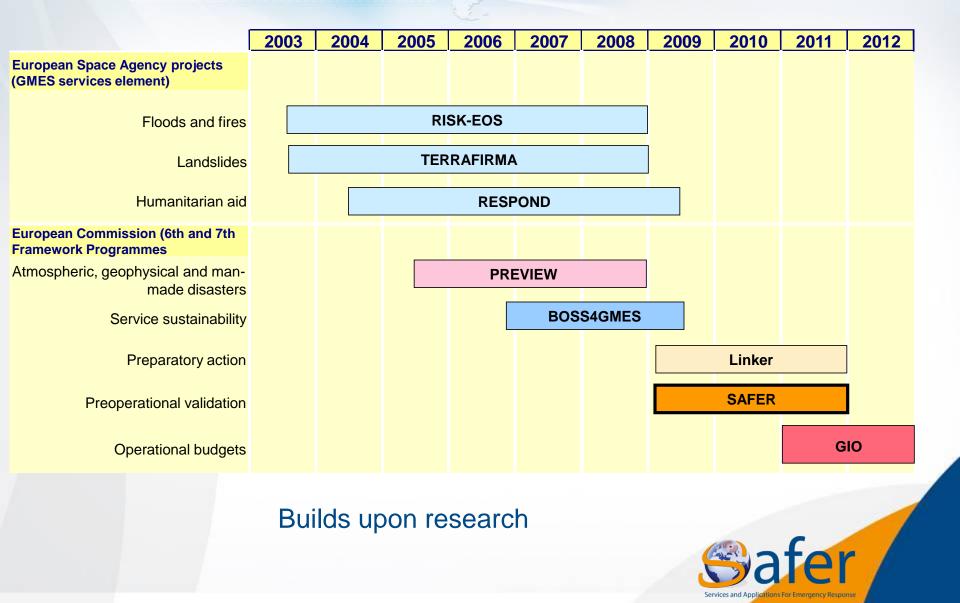
- S years project
- Sudget: 40 M€. EC Grant: 27 M€
- S 53 partners from 16 countries:
 - > 29 private organisations (18 SME)
 - > 24 public organisations
- S Coordinated by private sector
- Service management board: ASTRIUM, DLR, e-GEOS
- S Project User Board: DPC, WFP, BBK, UNOSAT, DSC
 S Project ends April 2012







SAFER research background



Users have a say on many project components

SAFER is a user centric project







Products & Categories

1.

GENERAL SERVICE DESCRIPTION P.4

2. GEOGRAPHIC REFERENCE PRODUCTS P.5

PREPAREDNESS/PREVENTION & DISASTER RISK REDUCTION PRODUCTS

4.1	Hazard	p. 8
4.2	Vulnerability	p.8
4.3	Key Assets	p. 8
4.7	Information dossier	p.9
4.8	Refugee / IDP	p.10
4.9	Evacuation Plan	p. 10



2. GEOGRAPHIC REFERENCE PRODUCTS P.5 (RUSH MODE)

EMERGENCY RESPONSE PRODUCTS

3.1	Disaster Extent	p. 6
3.2	Damage Assessment	р. б
3.3	Monitoring	p. 7
3.4	Affected Population	p. 7
3.5	Briefing Note	p. 7
4.8	Refugee / IDP	p. 10
4.9	Evacuation Plan	p. 10

2. GEOGRAPHIC REFERENCE PRODUCTS P.5

RECOVERY PRODUCTS

4.3	Key Assests	p.8
4.4	Detailed Damage Assessment	p. 9
4.5	Medium-term Impact	p.9
4.6	Recovery Status	p. 9
4.7	Information Dossier	p. 9
4.8	Refugee / IDP	p. 10



Activ. #	Country	Country2	Type Disaster	Activating Organization	
74	09.01.2011	Belgium	Flood	Service Public de Wallonie	
76	15.01.2011	Germany	Flood	BBK	
77	21.01.2011	Germany	Flood	BBK	
79	10.02.2011		Other	G-MOSAIC	
81	18.02.2011	Norway	Tech. Disaster	MIC	
83	22.02.2011	New Zeland	Earthquake	International Charter	
85	02.03.2011	Libya	Pop Movement	WFP	
88	10.04.2011	Bulgaria	Fire	Min. of Interior Bulgaria	
89	26.04.2011	Belgium	Fire	SPF Belgium	
90	02.05.2011	Netherland	Fire	National Focal Point	
91	12.04.2011	Spain	Earthquake	Spanish NFP	
92	04.06.2011	Yemen	Evacuation	MIC	
93	11.07.2011	Yemen	Conflict	ОСНА	
94	12.07.2011	Portugal	Fires	Portugal NFP	
95	19.07.2011	Cyprus	Explosion	Cyprus NFP, MIC	
96	26.07.2011	НоА	Humanitarian Crisis	GMLZ & WFP	
98	11.08.2011	Italy	Fires	Italian Civil Protection	
99	22.08.2011	НоА	Humanitarian Crisis	GMLZ	
100	14.09.2011	Poland	Exercise	Polish State Fire Service	
101	26.08.2011	Greece	Fires	General Secretariat For Civil Protection	
102	09.09.2011	Pakistan	Flood	WFP	
103	15.09.2011	Bulgaria	Fires	Bulgarian NFP	
104	20.09.2011	Pakistan	Flood	WFP	

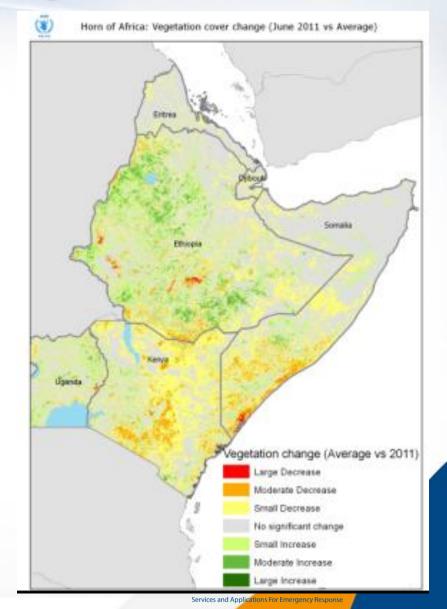


A Case Study Horn of Africa

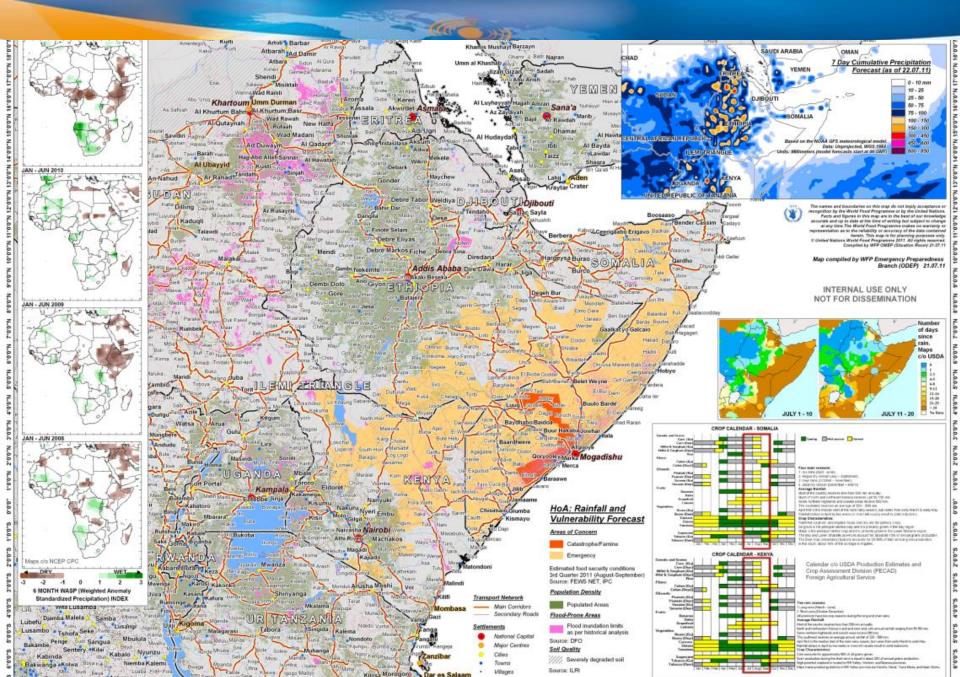


HoA is a complex, slow onset emergency

- Like any slow onset emergency WFP started monitoring months in advance
- Several of data sources have been used, including remote sensing and field information



In July 2011 the situation gets worse



End of July the HoA is in the news

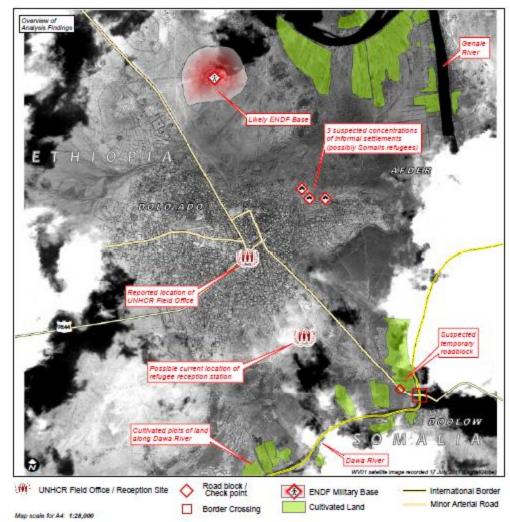
- S The International community start using consistently RS
- Sefugee caps and border towns are monitored
- SAFER emergency services over refugee camps in Ethiopia on behalf of GMLZ/ THW

🛞 \delta unitar 🛛 UNOSAT

Refugees

Production Date: 22/07/2011 Version 1.0 UNOSAT Activation: CE20110714ETH

Emergency Assessment of the Border Town of Dolo, Ethiopia (as of 17 July 2011)



Increased requests for multiple needs and actors

Needs

- S Changes in refugee camps to understand which is the number of people to support
- Solution movements: what is detectable is population concentration and new temporary shelters

Actors

- SAFER (via WFP)
- S US Department of State & UNOSAT
- 🛯 UN OOSA
- Google (emergency team)

Proactive users
SWFP, UNHCR and OCHA
GMLZ/ THW



28 July – WFP requests SAFER additional activation

Real

44

1.0.6

Somalia.

Mogadishu

US Dept of State Geographer © 2011 Google © 2011 Cnes/Spot Image © 2011 Europa Technologies

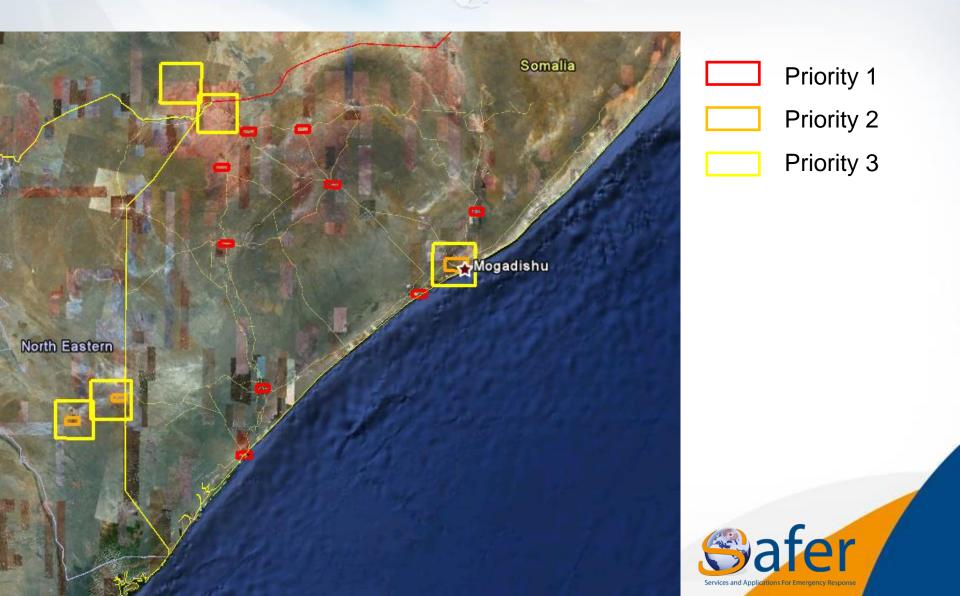
lat 2.935857° lon 43.657740° elev 358 m



Eye alt 456.53 km 🔘

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Total WFP priorities as per field teams



28 July first coordination summary sent to partners

1.So far we have 3 requests of areas to monitor:

a. From GMLZ/THW that have been activating SAFER (refugee camps monitoring)

 WFP with three groups of priority areas (Population movement monitoring)

c. UNHCR with a generic request to monitor refugee camps 2.WFP and UNOSAT agree to cooperate sharing responsibilities:

a. UNOSAT works as focal point with US Department of State

b. WFP works as focal point with SAFER

3.WFP and UNOSAT will maintain an inventory of AoI and acquisition footprints of acquired areas

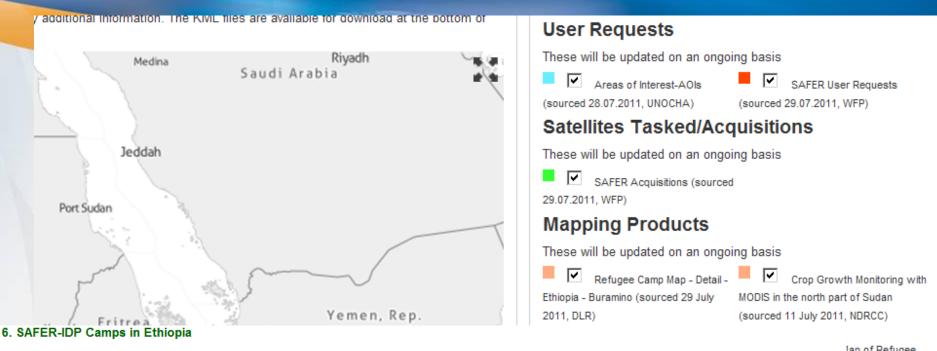
4.Dissemination:

a. SAFER agree to have a dissemination hub within his portal that includes UNOSAT products

b. UNOSAT and UNOOSA are looking at feasibility of an FTP site
 5.UNOOSA will post all activities in its knowledge portal (crisis wiki)



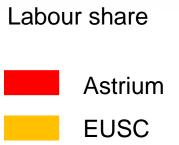
UN OOSA Portal



					ap of Refugee	
Area	Satellite/Instrument	Remarks	Date	Link	ssa, N.Eastern,	
Dolo Ado	Quickbird, 0.6 m res. IKONOS, 1.0 m res.	Last update August 31	September 1, 2011	ZKI/DLR	ust 2011, UNITAR)	
Dolo Ado	IKONOS, 1.0 m res.	Last update August 4	September 1, 2011	ZKI/DLR	r Town of Doolow UNITAR)	
Dolo Ado	SPOT-5, 2.5 m res.	Last update August 2	September 1, 2011	ZKI/DLR		
Kobe	Worldview-2, 0.5 m res. Quickbird-2, 0.6 m res.	Last update August 31	September 1, 2011	ZKI/DLR	nitoring with ced 02 August	
Kobe	Worldview-2, 0.5 m res. SPOT-5, 2.5 m res.	Last update August 31	September 1, 2011	ZKI/DLR	nitoring with xed 02 August	
Kobe	Quickbird-2, 0.6 m res. SPOT-5, 2.5 m res.	Last update August 31	September 1, 2011	ZKI/DLR		
Melkadida	Quickbird, 0.6 m res.	Last update August 31	September 1, 2011	ZKI/DLR	lo Ado Region	
Melkadida	SPOT-5, 2.5 m res.	Last update August 1	September 1, 2011	ZKI/DLR	map Sheet 1	
Bokolmanyo	GeoEye, 0.5 m res.	Last undate August 24	Sentember 1, 2011)LR)	

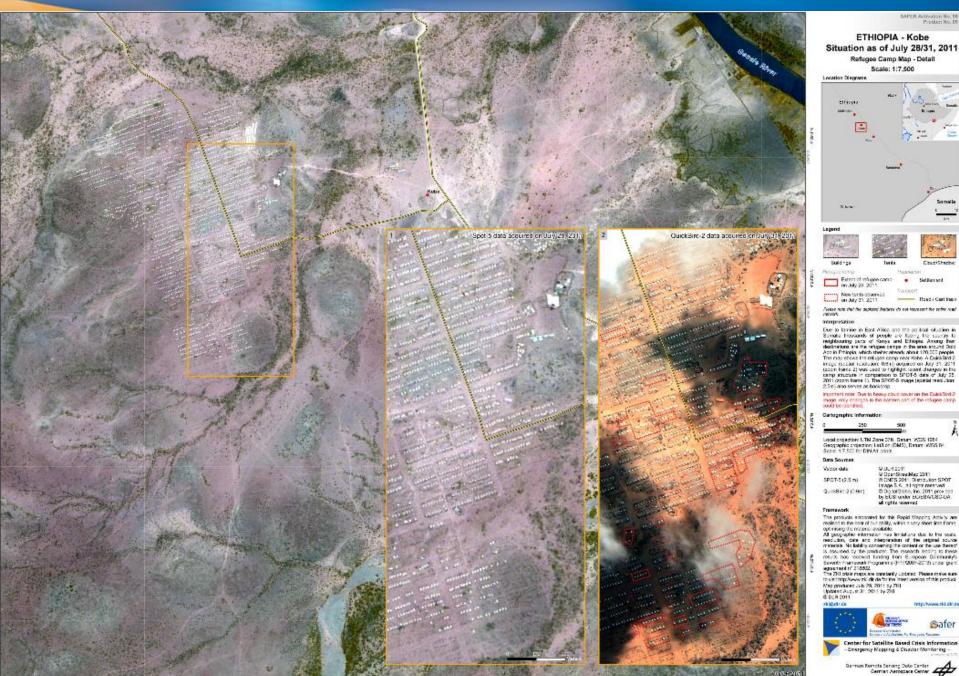
29 July - WFP activates Emergency Support







29 July DLR - Ethiopia, Kobe Refugee Camp Map







Drought 06/09/2011 Version 3.0 UNOSAT Activation: DR20110714HOA SOMALIA

Frouuction Date

Mogad/shu

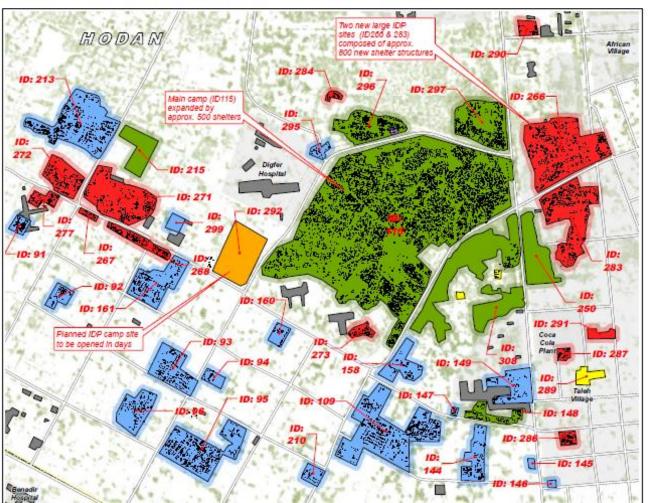
UPDATE 2: CONTINUED EXPANSION OF SOMALI IDP CAMPS IN HODAN DISTRICT, MOGADISHU, Somalia (AS on 4 September 2011)

August and 4 September 2011, a total of 12 new IDP expansion in size of 9 existing camps. A total of

Analysis Summary: Within central Hoden district of approximately 1,500 IDP shelters were erected within the series analysis of Somall IDP shelter concentrations Mogadishu there has been a dramatic expansion in the new camp sites, along with approximately 1,000 total number of IDP camps and shelter structures, additional newly erected shelters within the existing strongly suggesting a increase in the total IDP population camps, making a total expansion of at least 2,500 shelter within this area of several thousand people. Between 22 structures over a two week period. Further, there is at least one new camp site location under construction shelter concentrations were erected, with the additional approximately 12,600m2 in size which should be operational within days. This report is based on a time-

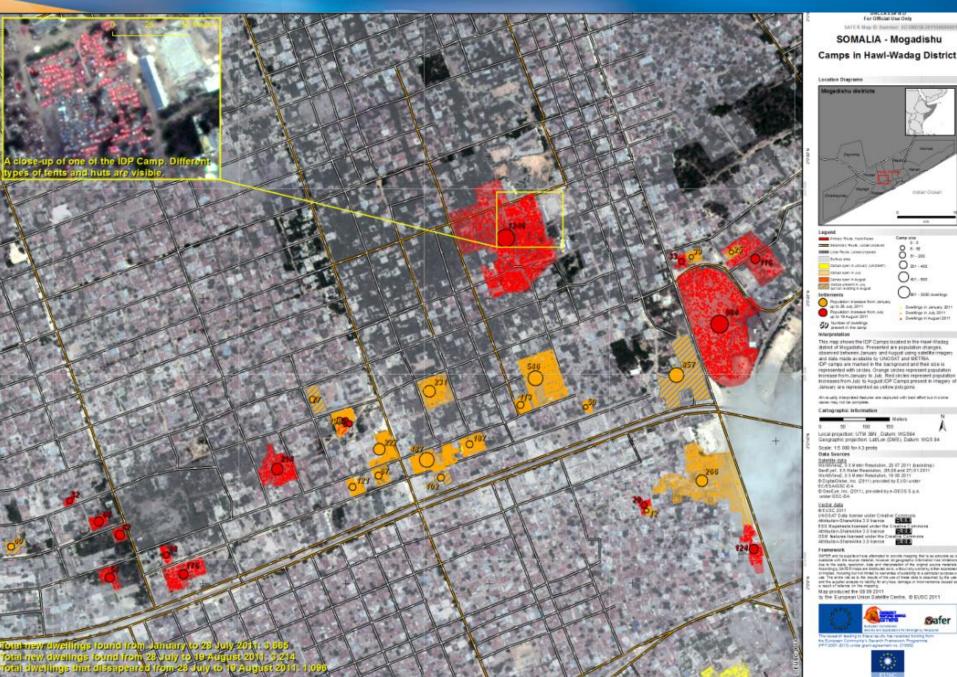
within the capital city of Mogadishu using satellite Imagery recorded the mornings of 4 September, 21-22 August, 28 July, 15 April and 30 March 2011. This is a preliminary assessment and has not yet been validated In the field. Please send feedback to UNITAR/UNOSAT at the contact information below.

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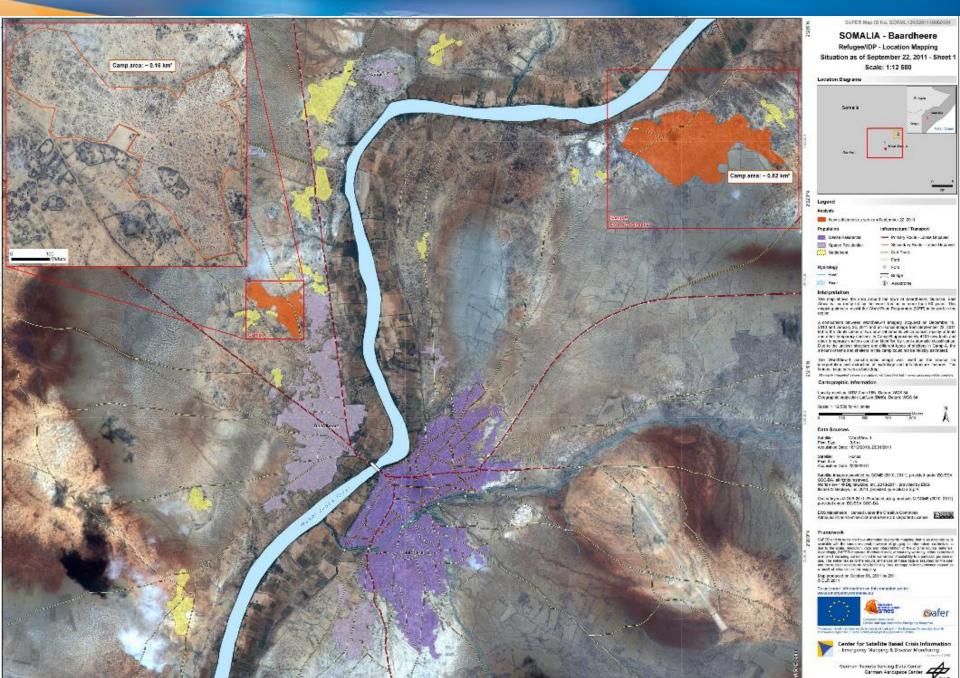




19 Sept EUSC – Mogadishu new settlements



06 October DLR - Somalia, Baardheere



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