

SAFER and the GMES Emergency Response Service:

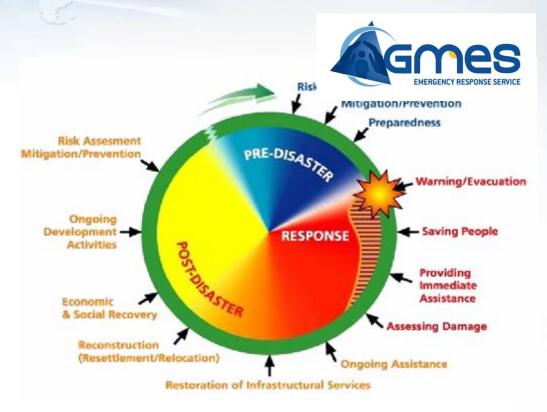
WFP experience





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

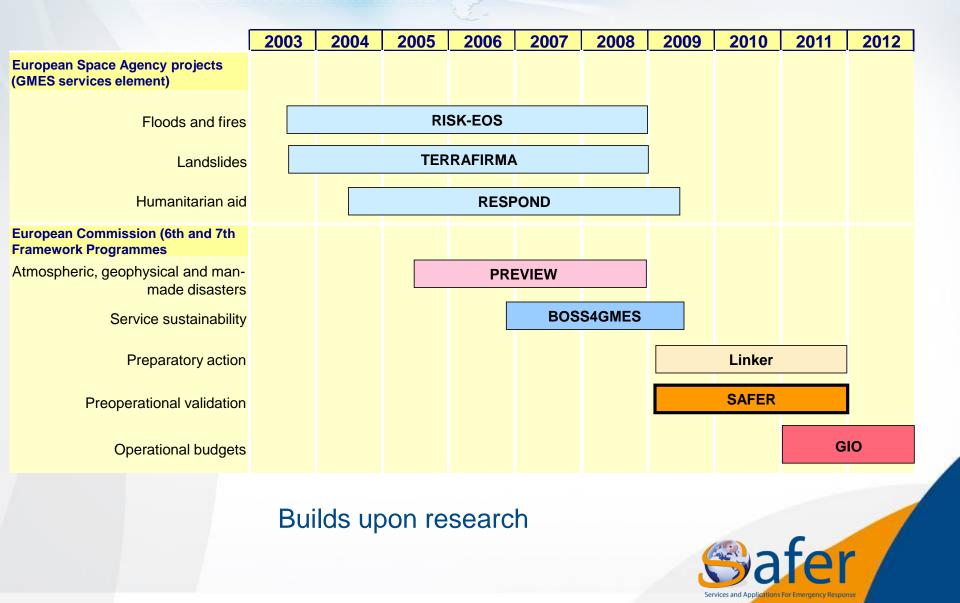
- S years project
- Sudget: 40 M€. EC Grant: 27 M€
- S 53 partners from 16 countries:
 - > 29 private organisations (18 SME)
 - > 24 public organisations
- S Coordinated by private sector
- Service management board: ASTRIUM, DLR, e-GEOS
- S Project User Board: DPC, WFP, BBK, UNOSAT, DSC
 S Project ends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

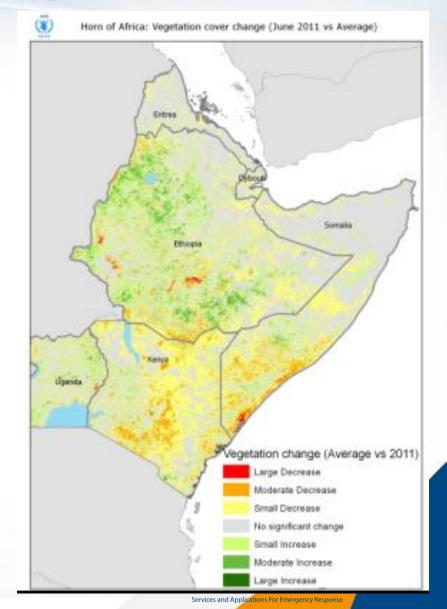


A Case Study Horn of Africa

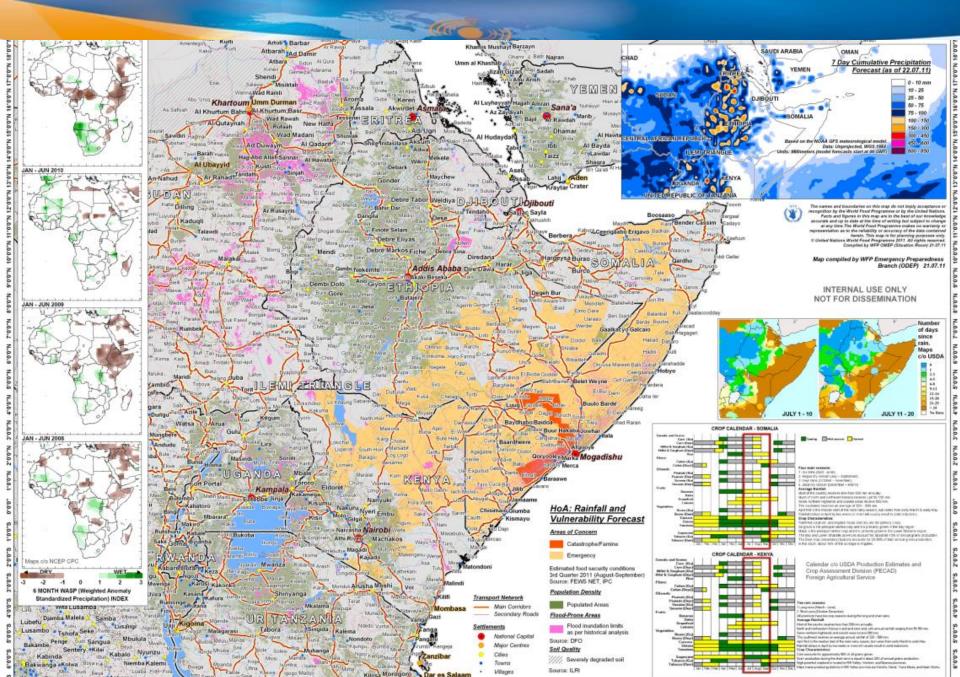


HoA is a complex, slow onset emergency

- 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

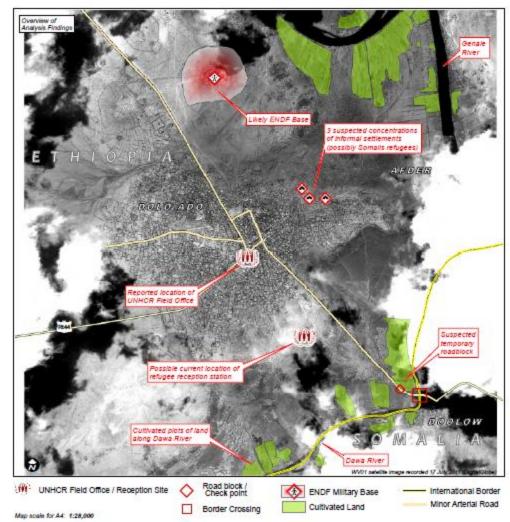
- S The International community start using consistently RS
- Sefugee caps and border towns are monitored
- SAFER emergency services over refugee camps in Ethiopia on behalf of GMLZ/ THW

🛞 \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

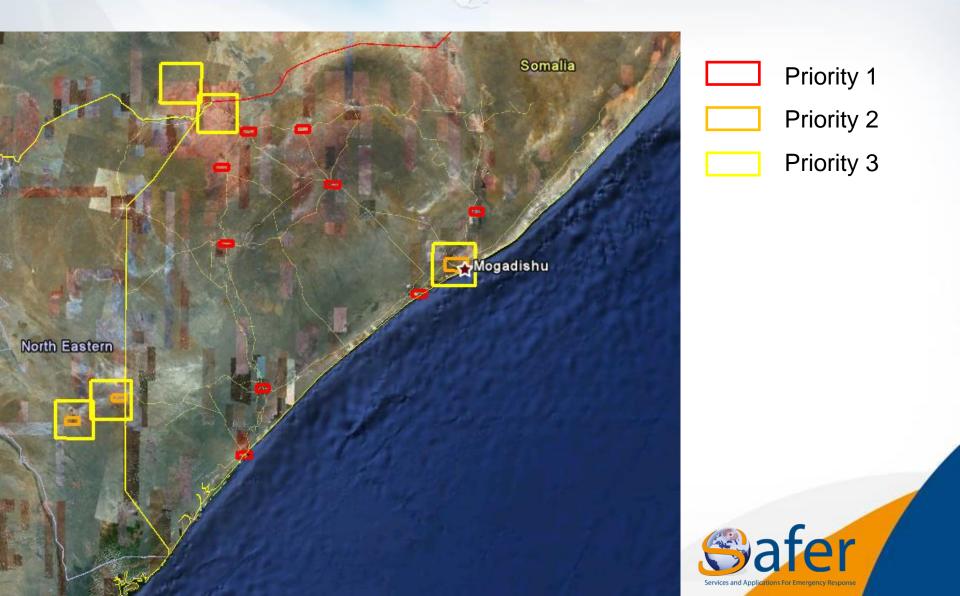
lat 2.935857° lon 43.657740° elev 358 m



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

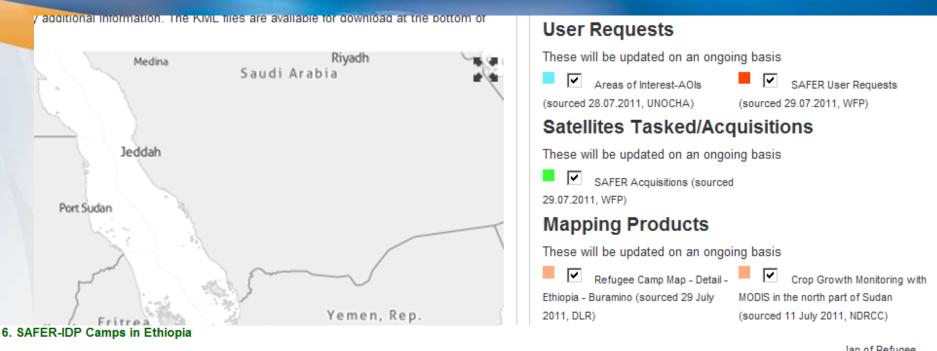
4.Dissemination:

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)

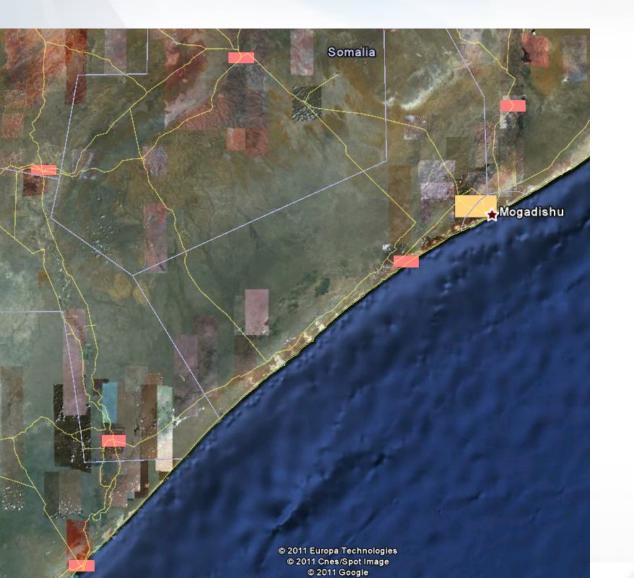


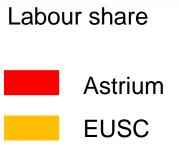
UN OOSA Portal



| | | | | | 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) | |

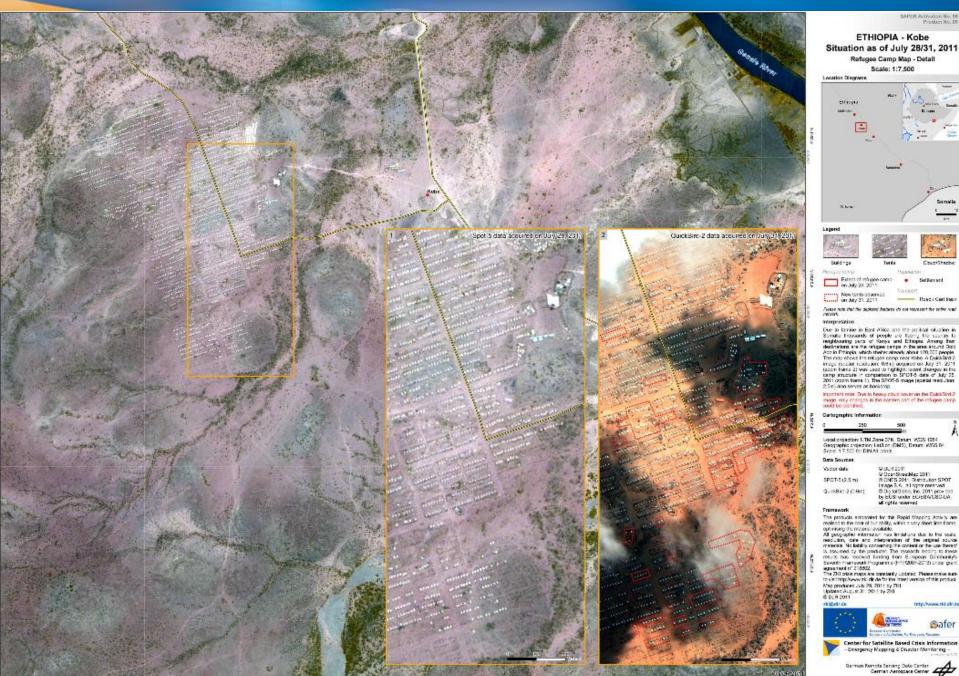
29 July - WFP activates Emergency Support







29 July DLR - Ethiopia, Kobe Refugee Camp Map







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

Frouuction Date

Mogad/shu

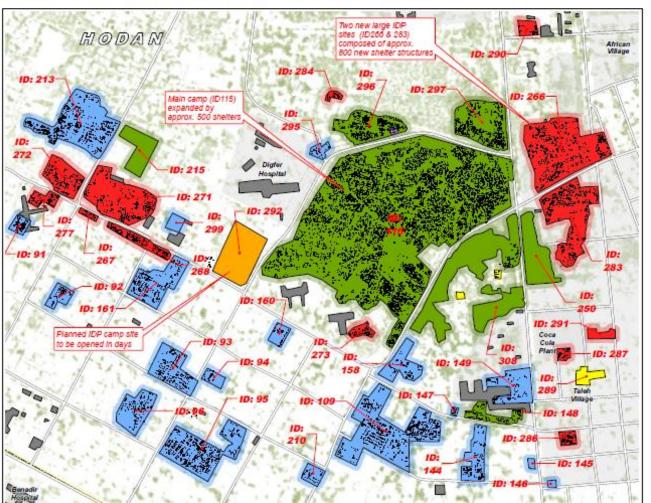
UPDATE 2: CONTINUED EXPANSION OF SOMALI IDP CAMPS IN HODAN DISTRICT, MOGADISHU, Somalia (AS on 4 September 2011)

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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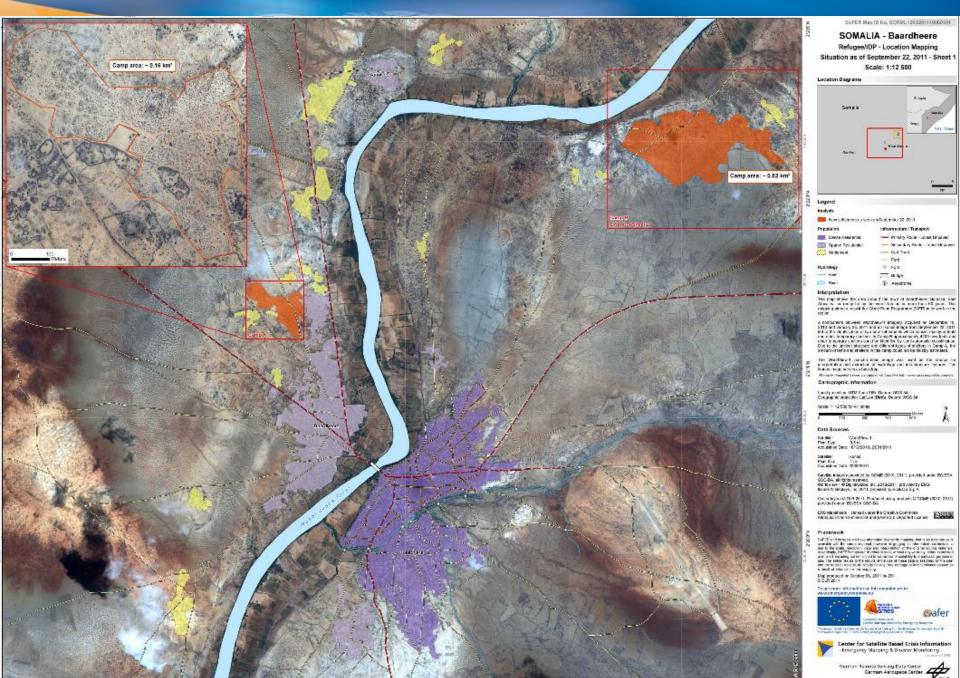




19 Sept EUSC – Mogadishu new settlements



06 October DLR - Somalia, Baardheere



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