

Progress towards operational EFAS

- **February 2008: “Horizon scan” Meeting Directors-General ENV and JRC**
 - **DG ENV stressing the importance of EFAS to go operational**
 - **Details to be discussed in follow up meeting later in 2008**
- **Spring 2008: MS meetings**
 - **Meeting with SE delegation at JRC**
 - *Letter/Proposal sent to JRC Director in Apr 2008*
 - **Meeting with NL delegation at JRC**
 - *Letter/Proposal sent to JRC Director in Sep 2008*
 - **Meeting with IT delegation at JRC**
 - *Proposal sent to JRC in Aug 2008*
 - **(SK proposal already done in 2007)**
- **June 2008: Meeting JRC Director with GMES coordinator (cancelled)**
- **Nov 2008: Meeting with Directors JRC and ENV on EFAS & EFFIS**
 - **Stressed the need of MIC for EFAS**
 - **Aim: EFAS to go operational in 2011 with GMES funding**
 - **DG ENV will finance EFAS for two years until 2011 (AA)**

- **Dec/Jan: JRC has prepared a draft AA + financial proposal**
 - Detailed proposal under negotiation (feedback will come 2/2 onwards)
 - Should be active around summer 2009 and run until summer 2011
- **Spring 2009: further meeting with GMES Director is planned to discuss financial support from GMES**
- **Based on the outcome of the GMES meeting, further steps with MS and ENV to be defined (mid 2009)**
- **2009: JRC bridge funding to keep EFAS, ETN-R and EU-FLOOD-GIS running to support EFAS**
- **2010/2011: current arrangements with ECMWF as well continuation of ETN-R and EU-FLOOD-GIS foreseen**

New products



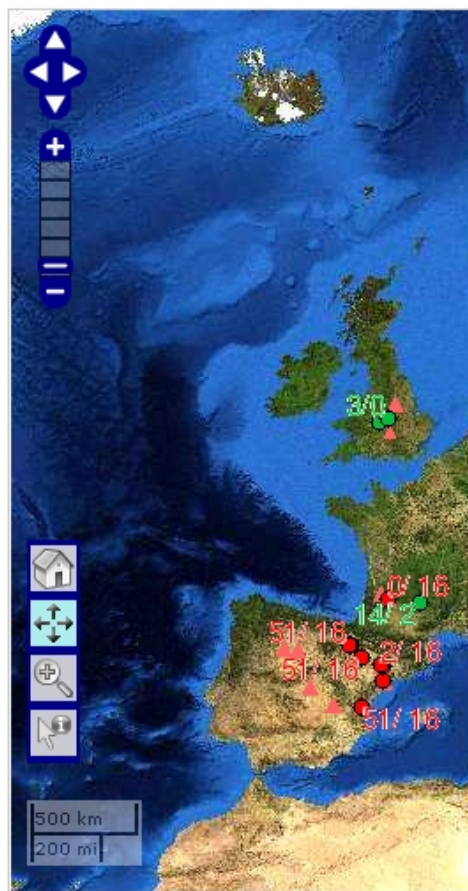
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EFAS early warnings



Static layers: Flood Alert Points Flood Alert Layers

- ?
- ?

ECMWF

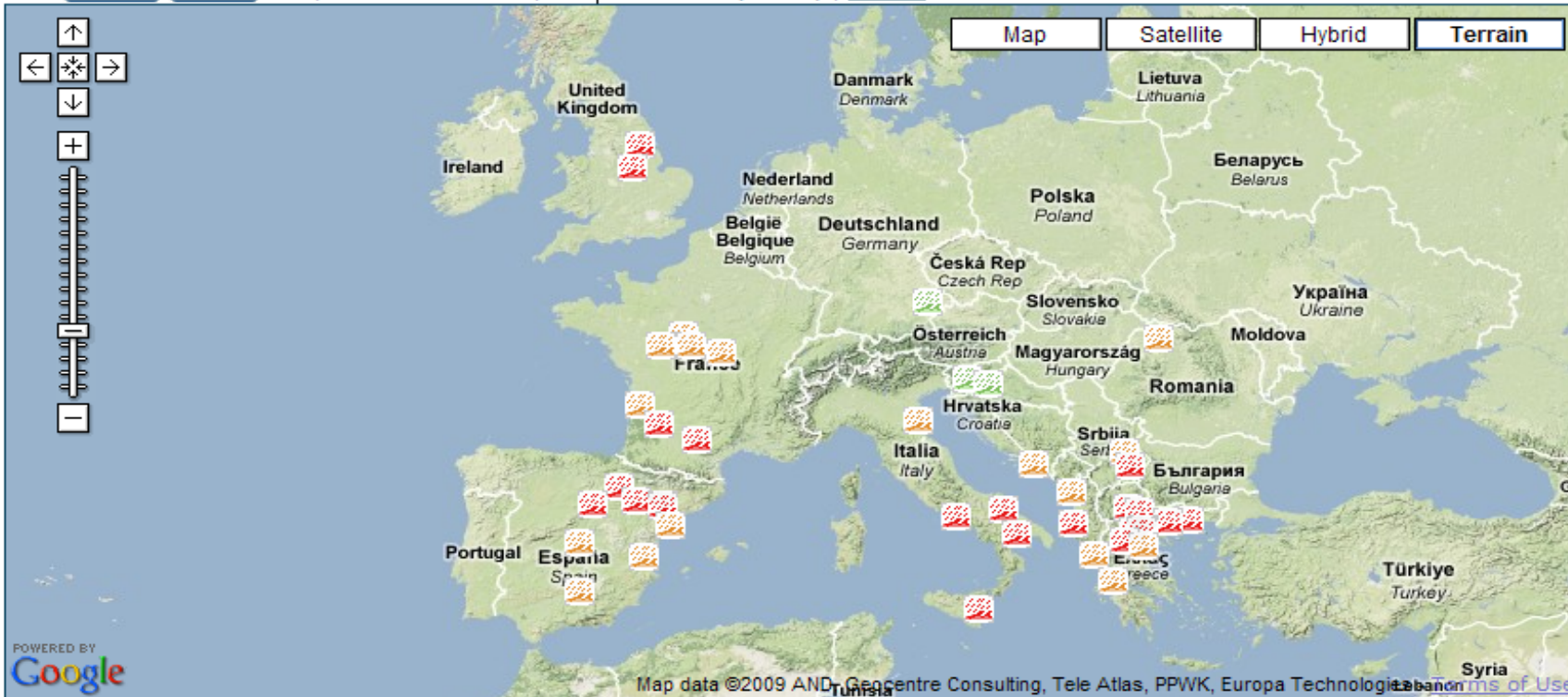
Forecast Day	22	23	24	25	26	27	28	29	30	31	01	02	03
2009012200		Red	Red	Red	Red	Red	Yellow			Green			
2009012212	Red	Red	Red	Red	Red	Yellow	Green	Green					
2009012300		Red	Red	Red	Red	Red	Green						
2009012312		Red	Red	Red	Red	Yellow				Red	Red		
2009012400			Red	Red	Red	Yellow			Yellow	Yellow	Yellow	Yellow	
2009012412			Red	Yellow	Yellow	Green			Red	Red	Yellow		
2009012500				Red	Green								
2009012512				Yellow	Yellow			Green	Yellow	Yellow	Green		



EUE > HAL

Forecast Day	22	23	24	25	26	27	28	29	30	31	01	02	03
2009012200			51	51	31		4	5	2	1			
2009012212		50	51	43	3		1		1	3			
2009012300			51	51	26			2	1	3	2		
2009012312		51	51	42			1	1	4	4	2		
2009012400			51	51	5		1	1	2	3	1	3	
2009012412			51						1	5	9	11	
2009012500				51					1	4	4	5	3
2009012512									1	7	14	9	14

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 Ongoing floods
 Floods within 10 days
 Floods within 2 days
 Observed floods

Information from [EFAS](#). (Blinking = new in last 1 hours.)

The Monitoring and Information Centre (MIC) system has a still increasing role in EC Civil Protection and international crisis coordination & assistance

- Products:**
- Ongoing floods (ETN-R measurements or EFAS-estimates)
 - EFAS early flood warnings (>48 hour leadtime)
 - Different colouring for 3-5 days, 6-10 days
 - EFAS 48 hour flood alerts (experimental, to be replaced by MeteoAlarm product)





- **Testing EFAS-tools for early flood warning in Africa:**
 - **Pilot study Juba & Shabelle (Somalia & Ethiopia);**
 - *collaboration with FAO-SWALIM project*
 - **Pilot study Zambesi river (Southern Africa);**
 - *collaboration with Univ Washington State, D. Lettenmaier*

