

The INSARAG System



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Who is presenting:

- Peter Bytomski, Age 50, Civil Servant
- Foreign Operations Division THW HQ: USAR, Capacity Building, Consulting
- Over 35 Missions in more than 15 countries like Albania, Congo, Iran, Uzbekistan, Afghanistan as Head of Mission, Assessment Expert, Team Leader, Liaison Officer, Consultant
- Member of INSARAG Classifiers cadre
- Responsible for THW's USAR Team

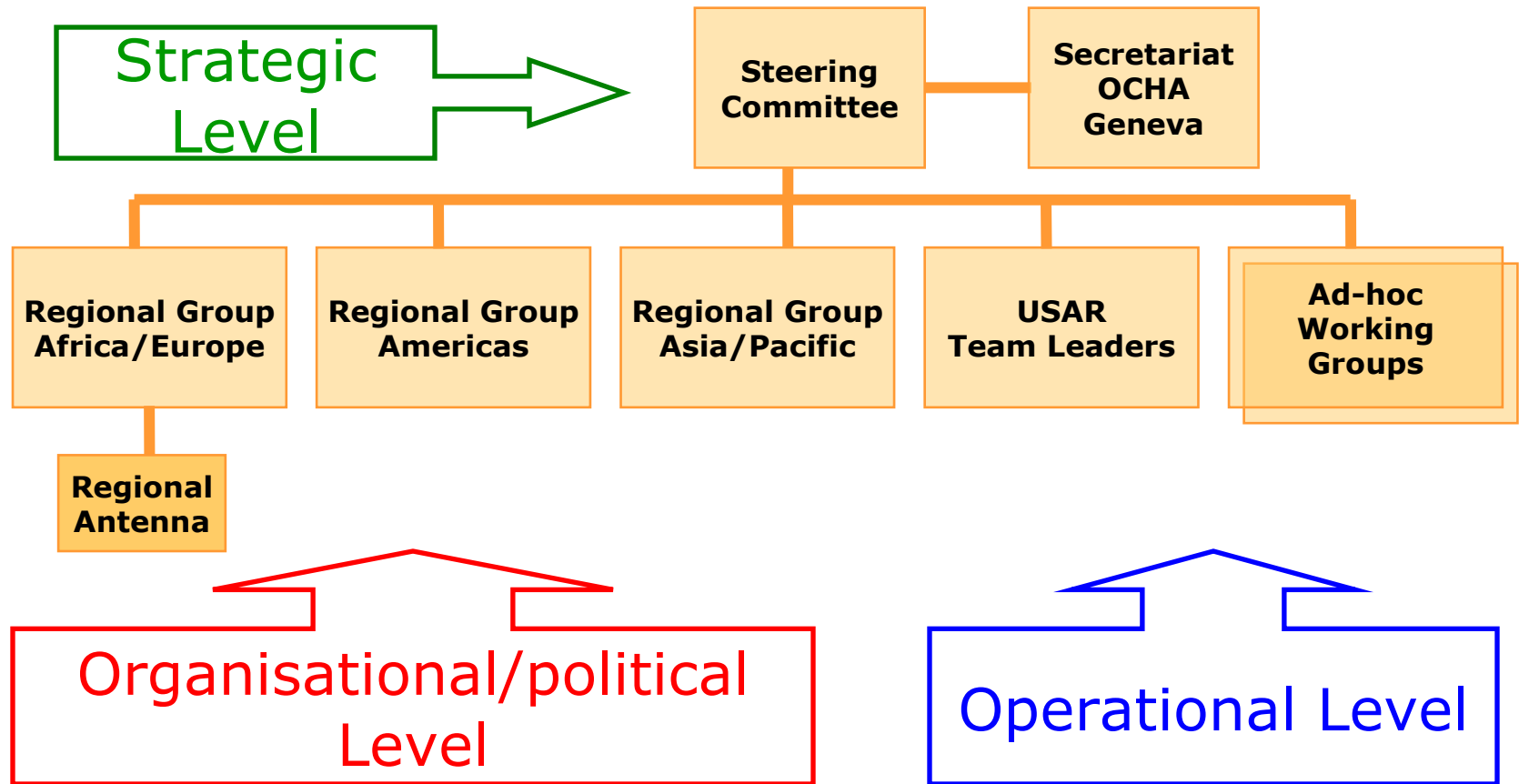


INSARAG History:



- Founded after the Lessons Learnt from Mexico (1985) and Armania (1988) quakes
- Founding members THW (Germany), AFDRU (Austria) and SKH (Switzerland)
- Since 2002 INSARAG is a legal body of the United Nations and part of UN-OCHA in Geneva
- INSARAG stands for “International Search and Rescue Advisory Group” and sets Standards and Standard Operating Procedures (SOP) for Urban Search&Rescue

INSARAG Structure:



Every member country has an operational and a political INSARAG focal point: shared responsibilities

Why was INSARAG needed?

- The results of the Lessons Learnt of the Mexico and Armenia quake were terrible:
- Teams untrained and with inadequate equipment
- No proper coordination
- No self sufficiency
- No marking
- Search teams without rescue
- Often no medics

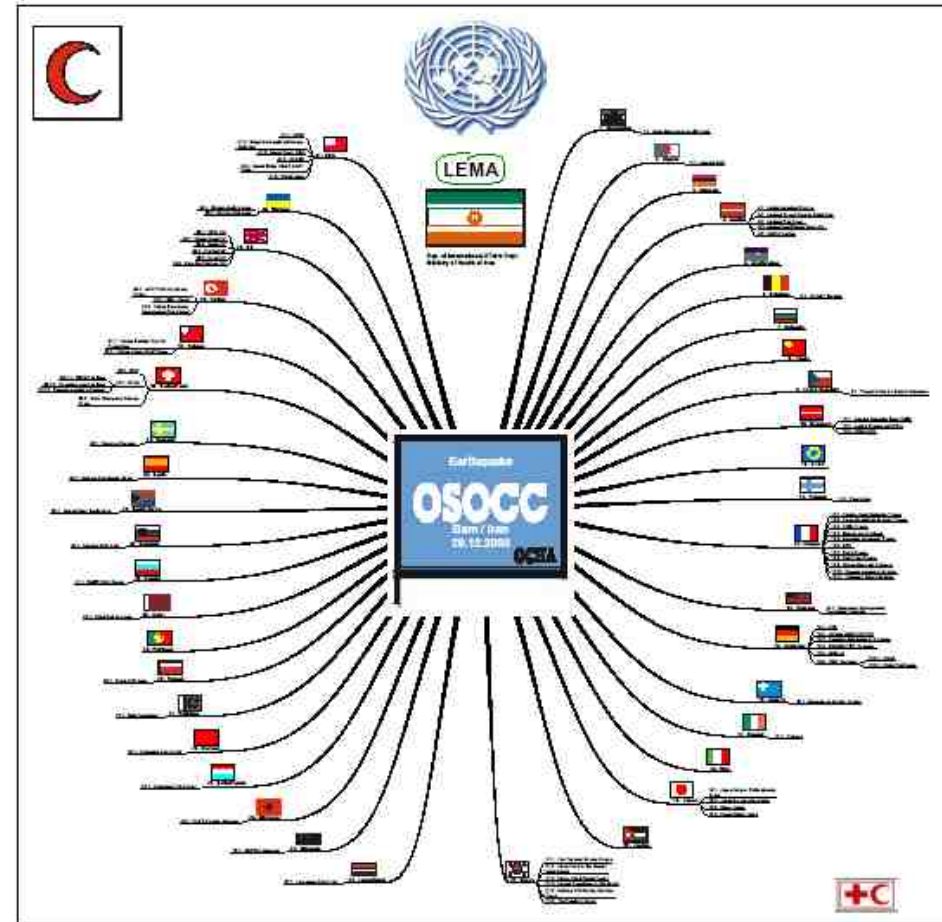


A recent example from the field: Quake Bam (Iran 2003)

- Within 48 hours 17 USAR teams arrived as well as 13 field hospitals with over 560 medics and nurses!

- Coordination and information was a big problem, esp. when after 5 days more than 1.400 intl. Expatriates from 34 countries were on the spot

- Only through the INSARAG system with tools such as the On Site Operations and Coordination Centre (OSOCC) this could be handled sufficiently



IRAN_Bam.nmp - 04.01.2004 - BA THW SEEB, Germany - KULWICKI@T-ONLINE.DE

Urban Search&Rescue needs standards:

- USAR is a very special job
- The teams need specific knowledge for the work in the field
- They also need special equipment
- They must be able to deploy rapidly
- They must be self sufficient
- They must have 5 components in the team: Search (K9 and Tech), Rescue, Medic, Logistics and Management

The first ever worldwide USAR standard:

- The INSARAG Guidelines:
- Developed by practitioners from the field for those working in the field
- Annually revised by the INSARAG Team Leaders Meeting and specific working groups
- Regulations for cooperation and recommendations for the work as well as equipment
- Classification of Teams in three categories: Light, Medium, Heavy

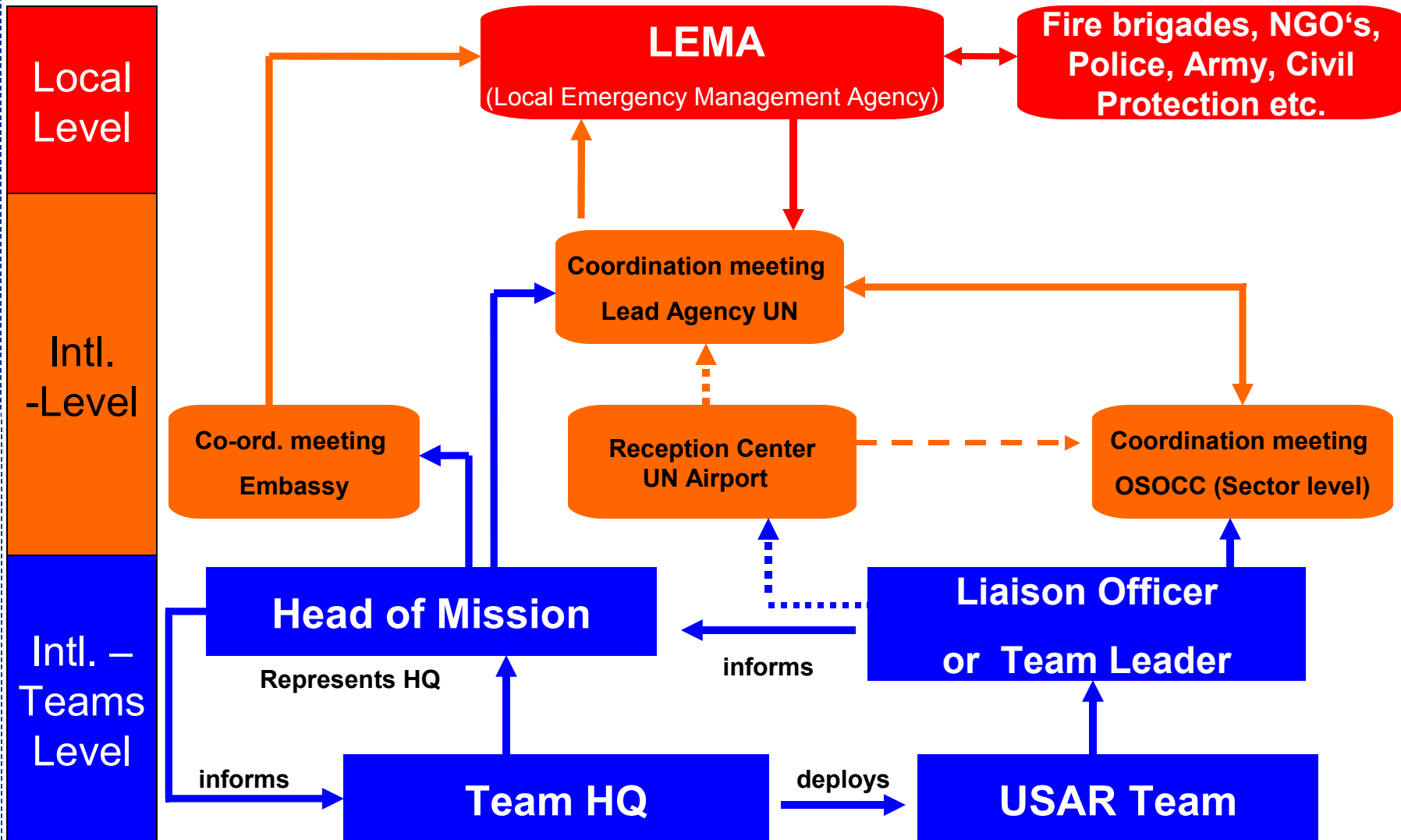


USAR standards: Rapid Deployment

- Time is essential: in the interest of live rescues the team should depart latest 10 hours after the alarm
- Therefore special logistic arrangements are needed, such as pre packed equipment (even for Heli cargo), airport-customs preparations
- Team must be vaccinated
- HQ must have a operations centre 24/7



USAR Standards: Team coordination

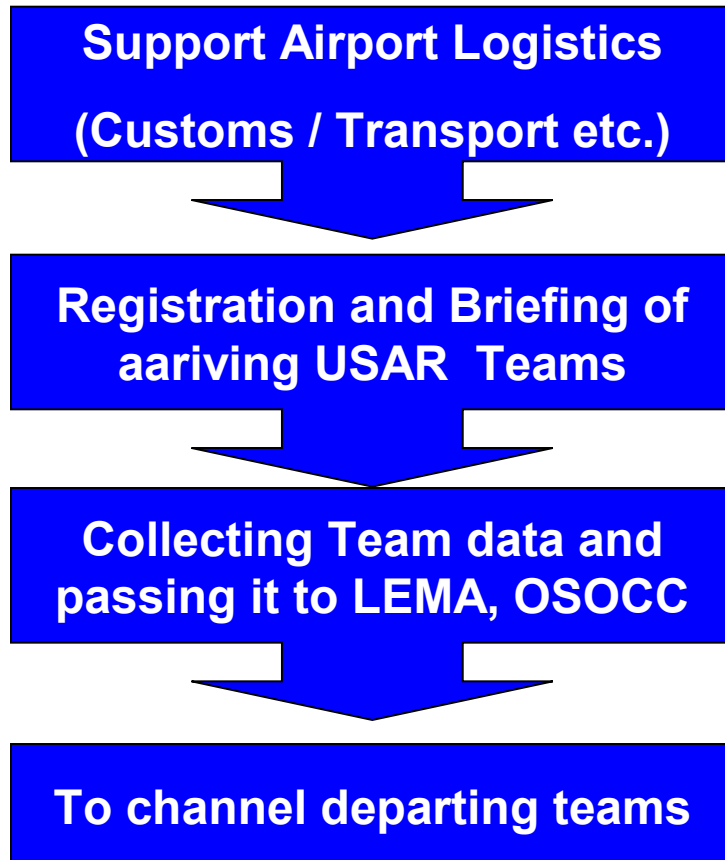


USAR Standards: UNDAC

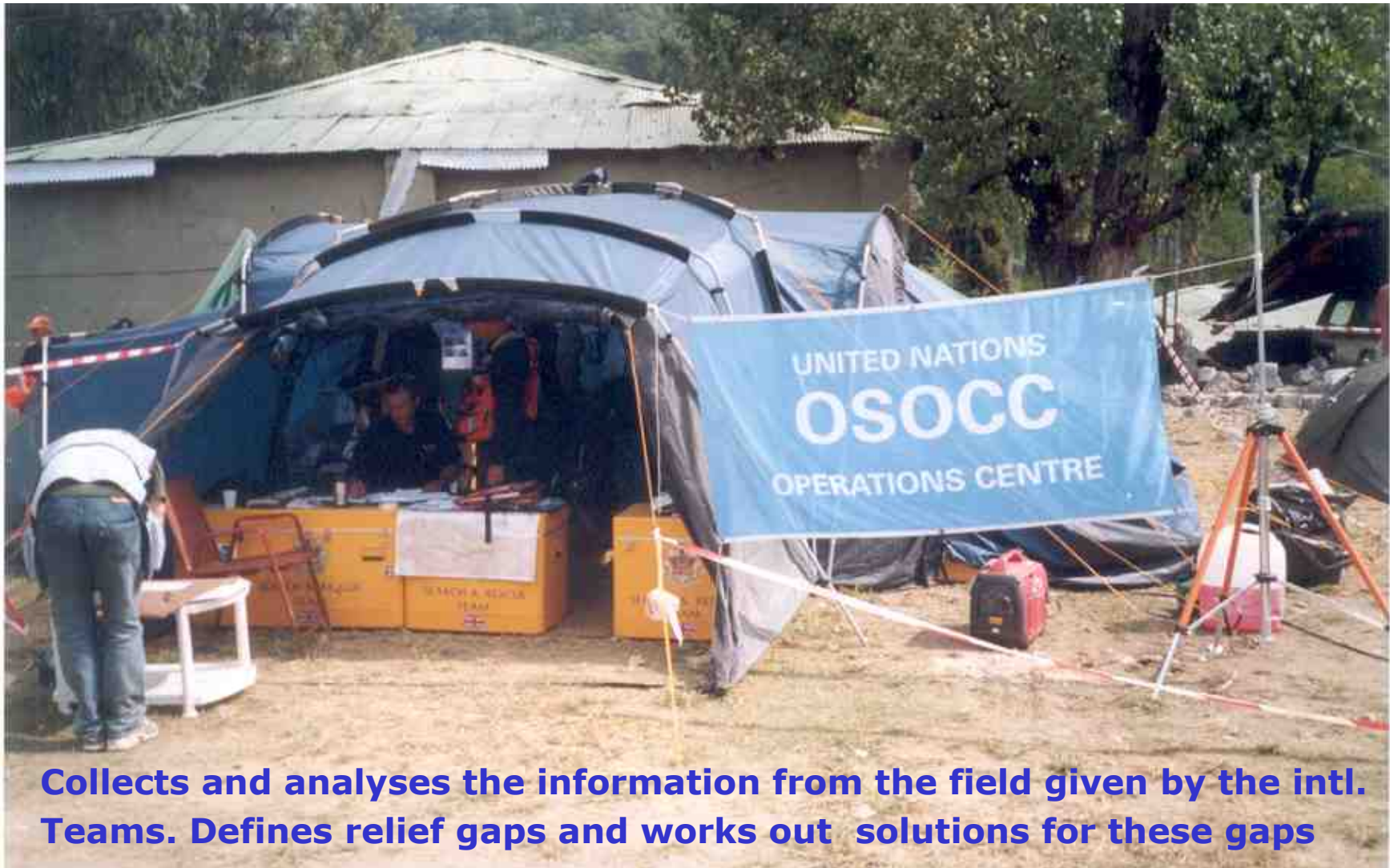
- A pool of international high level USAR experts
- Working for UN-OCHA on the symbolic 1 \$ payment
- Alarmed and send out only by UN-OCHA as United Nations Disaster Assessment&Coordination Team. Main Task: running the OSOCC and RDCentre, Needs assessment



USAR Standards: Reception/Departure Centre



USAR Standards: OSOCC



USAR Standards: Team Classification

- INSARAG External Classification:
- To ensure that a USAR team is fulfilling the INSARAG Guidelines
- Observers selected by UN-OCHA
- Practitioners from other teams
- Full test of all functions through a minimum 36 hours full field exercise
- Internationally praised as the first ever “from the field for the field” quality test
- Started in 2005



USAR Standards: Lessons Learnt

- UN-OCHA is supervising the Lessons Learnt from major quakes
- The results of the lessons learnt are analysed by INSARAG Working Groups, such as the Training Working Group or the Medical WG
- Hereby the INSARAG guidelines can be specific updated as well as information and coordination management will be improved
- Also these key examples can be used for local training improvement



USAR Standards: First Responder Training

- The Working Group on Training developed a special USAR Training for the local level
- The idea behind it is that within the first 24 hours after a quake most survivors are found and rescued by the local citizens
- By giving basic USAR standards in an easy understandable 3-5 day training session local USAR capacity will be strengthened
- THW and CEA (Chinese Earthquake Administration) will implement this training first time ever nationwide in the PR China

The INSARAG Network:

- Internal knowledge exchange via the Virtual OSOCC
- Participation in international exercises, held by UN-OCHA yearly within the Regional Groups
- Participation in local exercises via bilateral agreements
- Training support and lectures such as the INSARAG Awareness Training

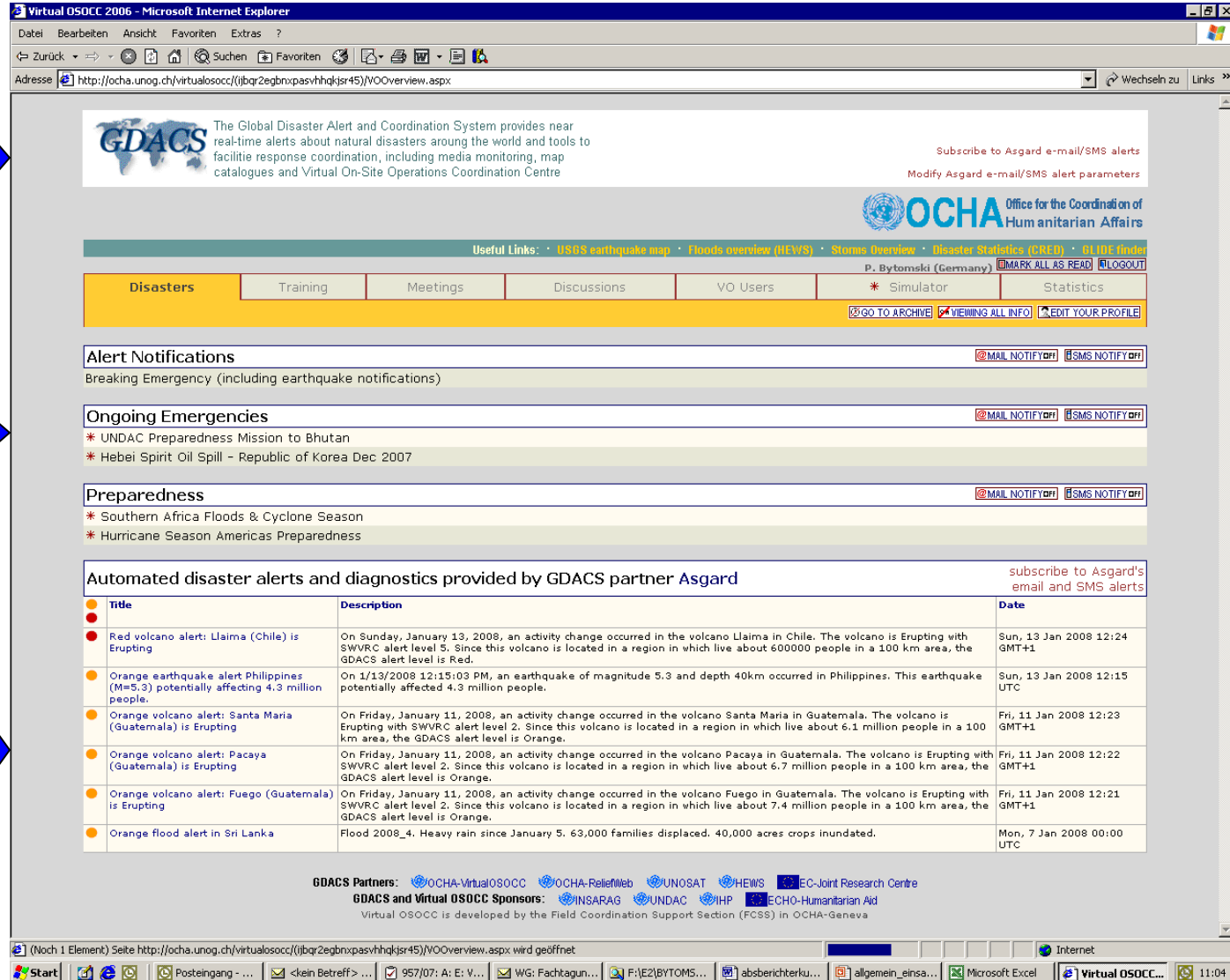


The Virtual OSOCC:

Online Forum,
Only for
registrated
user

Running
24/7
always

All Infos
directly
from the
field, but
also HQ
infos



GDACS The Global Disaster Alert and Coordination System provides near real-time alerts about natural disasters around the world and tools to facilitate response coordination, including media monitoring, map catalogues and Virtual On-Site Operations Coordination Centre

Subscribe to Asgard e-mail/SMS alerts
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OCHA Office for the Coordination of Humanitarian Affairs

Useful Links: [USDS earthquake map](#) · [Floods overview \(NEWS\)](#) · [Storms Overview](#) · [Disaster Statistics \(CRED\)](#) · [GLIDE finder](#)

P. Bytomski (Germany) [MARK ALL AS READ](#) [LOGOUT](#)

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Ongoing Emergencies [MAIL NOTIFY](#) [SMS NOTIFY](#)
* UNDAC Preparedness Mission to Bhutan
* Hebei Spirit Oil Spill - Republic of Korea Dec 2007

Preparedness [MAIL NOTIFY](#) [SMS NOTIFY](#)
* Southern Africa Floods & Cyclone Season
* Hurricane Season Americas Preparedness

Automated disaster alerts and diagnostics provided by GDACS partner Asgard [subscribe to Asgard's email and SMS alerts](#)

Title	Description	Date
Red volcano alert: Llaima (Chile) is Erupting	On Sunday, January 13, 2008, an activity change occurred in the volcano Llaima in Chile. The volcano is Erupting with SWVRC alert level 5. Since this volcano is located in a region in which live about 600000 people in a 100 km area, the GDACS alert level is Red.	Sun, 13 Jan 2008 12:24 GMT+1
Orange earthquake alert Philippines (M=5.3) potentially affecting 4.3 million people.	On 1/13/2008 12:15:03 PM, an earthquake of magnitude 5.3 and depth 40km occurred in Philippines. This earthquake potentially affected 4.3 million people.	Sun, 13 Jan 2008 12:15 UTC
Orange volcano alert: Santa Maria (Guatemala) is Erupting	On Friday, January 11, 2008, an activity change occurred in the volcano Santa Maria in Guatemala. The volcano is Erupting with SWVRC alert level 2. Since this volcano is located in a region in which live about 6.1 million people in a 100 km area, the GDACS alert level is Orange.	Fri, 11 Jan 2008 12:23 GMT+1
Orange volcano alert: Pacaya (Guatemala) is Erupting	On Friday, January 11, 2008, an activity change occurred in the volcano Pacaya in Guatemala. The volcano is Erupting with SWVRC alert level 2. Since this volcano is located in a region in which live about 6.7 million people in a 100 km area, the GDACS alert level is Orange.	Fri, 11 Jan 2008 12:22 GMT+1
Orange volcano alert: Fuego (Guatemala) is Erupting	On Friday, January 11, 2008, an activity change occurred in the volcano Fuego in Guatemala. The volcano is Erupting with SWVRC alert level 2. Since this volcano is located in a region in which live about 7.4 million people in a 100 km area, the GDACS alert level is Orange.	Fri, 11 Jan 2008 12:21 GMT+1
Orange flood alert in Sri Lanka	Flood 2008_4. Heavy rain since January 5. 63,000 families displaced. 40,000 acres crops inundated.	Mon, 7 Jan 2008 00:00 UTC

GDACS Partners: [OCHA-VirtualOSOCC](#) [OCHA-ReliefWeb](#) [UNOSAT](#) [HEWS](#) [EC-Joint Research Centre](#)
GDACS and Virtual OSOCC Sponsors: [INSARAG](#) [UNDAC](#) [IHP](#) [ECHO-Humanitarian Aid](#)
Virtual OSOCC is developed by the Field Coordination Support Section (FCSS) in OCHA-Geneva

Thank you for your attention



- Any questions left? Please contact:
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