



Bosnia and Herzegovina – Flood Disaster Situation Report No.4  
22<sup>th</sup> May 2014

- **HIGHLIGHTS/KEY PRIORITIES:**
  - **Forty-six (46) municipalities have been affected by the floods:**
    - Most affected at this point are: **Samac, Odzak, Orasje, Doboј, Bijeljina, Brcko, and Maglaj;**
    - 230 health and educational institutions have suffered damage in the affected areas
    - **One quarter of the country's population** has been directly affected by the floods [EPA];
    - Residents have been advised to leave the affected areas; those who remain will receive food and shelter in the **emergency shelters.**
    - Damage to **infrastructure** and to the **agricultural sector** will require significant investments to restore livelihoods.
  - The most pressing concerns are **landslides, animal carcasses and debris:**
    - **Landslides and debris** pose the greatest challenge, heavy rainfall expected over the weekend is expected to trigger more landslide active areas;
    - **Debris disposal** remains a priority and proper strategies are still needed;
- **Access to water and sanitation** remain a priority.
  - Concerns remain about water and vector borne diseases due to the influx of sewage water and enormous amount of animal carcass (mainly livestock)
- Casualties (deaths):
  - Federation: **7 casualties** (FENA, May 20, 2014)
  - RS: **17 casualties** (FENA, May 20, 2014)
  - Number of injured not yet confirmed
- The Meteorological institutes of the Federation and RS have reported that:
  - **The weather has improved** over the last two days with **expected heavy rainfall** over the weekend;
  - Rivers Bosna, Drina, Una, Sava, Sana, Vrbas and their tributaries are receding and the rivers are returning to their pre-flood levels;
  - **Water levels are going down** in most areas (checkpoints Gradiška, Srbac, Novi Grad, Prijedor, Doboј, Radalj, Bihać, Sanski Most, Sarajevo, Reljevo, Zenica, Tuzla);
  - Water levels are reported to be rising in **Central Posavina region** (Kopanice).
- UN staff are safe and accounted for.

## I. SITUATION OVERVIEW:

- According to the Federal Meteorological institute **rainfall is expected in northeast and eastern part of the country** (up to 25 l/m<sup>2</sup>) starting later tomorrow and running through Sunday evening.
- **Water levels are receding** in rivers Bosna, Drina, Una, Sava, Sana, Vrbas and their tributaries are receding to pre-flood levels.
- **Landslides and debris remain a danger** in areas that were first hit by the floods (Tuzla Canton, Sarajevo Canton, Zenica-Doboj Canton), water is receding.
- One quarter of the country's population (near 1 million people) is allegedly affected. The most affected locations are Samac, Odzak, Orasje, Doboj, Bijeljina, Brcko, and Maglaj.
- As of Wednesday 21 May, there are 10 collective centers at FBiH, 14 in RS and 2 in District Brčko.
- The **number of persons accommodated at collective centers** is as follows:
  - Zenica Barracks – 600
  - Bijeljina [schools (eight locations)] – 1100
  - Dubrave Barracks (near Tuzla) – 92
  - Orašje (3 collective centres) - 150 in each = 450 total
  - Srebrenik – 200
  - Brčko – 150
- **Overall, 40,000 people have been displaced** in addition to the numbers above (ref. coordinators at Entity and District level – shared through MoS Coordination Centre –Wednesday 21May).
- **Reported Casualties:** Federation 7; RS 17 casualties (FENA, May 20, 2014)<sup>1</sup>. Number of injured not yet confirmed.
- Access to **water and sanitation** remain a priority. Concerns remain about water borne and vector borne diseases:
  - **Epidemic outburst** of acute infectious diseases has not yet been reported;
  - **Risk of water and vector borne and contact** (fecal-oral by type of transfer) **epidemics of acute intestinal infectious diseases will increase.**
  - **Over 1,5 million people are under threat of infections;**
  - **The armed forces**
- **BIH Armed Forces, EUFOR, NATO and US** engaged in rescue efforts by helicopter.
- **Landslides** pose the greatest challenge. Around 610 more have been reported (in addition to the 2,000 reported on May 20th).

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<sup>1</sup> The information is unofficial and we are waiting for the MoIA's to publish official information

- **Elektroprivreda BiH reported that the electrical power grid** was severely affected in some areas and is being restored. However, many areas remain without electricity and recovery may take a long time due to the absence of replacement equipment and transformers.
- **Users in the FBiH without electricity** (est. 1500)
  - Zenica – Doboj Canton 2500 (Zenica 1500/Zepce 980)
  - Tuzla( 15)
  - Una-Sana Canton - Sanski Most ( 100)
- **Users in the RS without electricity** (est. 1500): around 8,200 users are left without electricity:
  - Doboj (3,000),
  - Šamac (2,800) and
  - Bijeljina (2,400)
- **Mine Affected Areas:**
  - **70% of the flood-affected area** (Doboj, Maglaj, Olovo, Una-Sana Canton and Brcko) is **suspected to contain mines and UXOs**; 800 sq/km of areas suspected to contain mines has been affected by the flood disaster;
  - **Landmines and mine awareness signs have either moved** or been washed away because of landslides and flooding; therefore, there is a high risk that current mine maps will be inaccurate;
  - **Mine Action Centre BiH (BHMACH)** has sent out warnings to the population in flooded areas on this threat; awareness raising should be increased. BHMACH and UNDP are updating maps on mine locations affecting the flooding.
  - **Mines and UXOs have reportedly been identified** in the following:
    - Brcko (confirmed mine explosion, no casualties reported)
    - Bosanska Krupa
    - Visoko
    - Semizovac
    - Olovo (in particular the road between Olovo and Tuzla)
    - Bosanski Šamac (BHMACH identified PMA2 and PMA3 mines)
- **Impact on agricultural lands:** many crops have been completely destroyed and as a result livestock has been severely affected. The entire Posavina region, with the highest percentage of arable land in the country, remains severely affected.
- **Roads and Transport:** Main roads are becoming increasingly functional. However, **side roads and over 20 bridges have been destroyed and damaged**, preventing humanitarian assistance from reaching remote areas. Demining, construction work and

clearance of debris on the main roads are preventing present a great challenge in delivering humanitarian assistance to the affected areas.

### III. HUMANITARIAN NEEDS AND RESPONSE

- **Latest lists of supplies and needs** contain WASH related equipment and supplies, disinfection materials, food, debris disposal tools, pumps, dryers, raincoats, boats. Hygiene, food and health kits are emerging priority needs.
- **Humanitarian aid** is being provided by: i) voluntary contributions by Bosnian citizens and private companies; ii) humanitarian organizations; and iii) international donors; in the form of food, water treatment tablets, pumps, generators, trucks, WASH equipment, etc; via helicopters, rescue teams, boats, and land transport.

### IV. COORDINATION

- Ongoing **coordination** with the Ministries of Security and Defense, the Ops Center, as well as entity, cantonal and local civil defense.
- Three sessions of the **International Community Coordination Meeting** have been hosted by UN Regional Coordinator. Sessions will continue every other day until further notice.
- Monitoring of needs and available international assistance is ongoing. **Integrated Rapid Assessment teams** are being formed and will be deployed beginning of next week May 26<sup>th</sup>.

### V.FUNDING

International assistance is being provided by the following governments and organizations: Adra, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Czech Republic, EU, EUFOR, France, FYROM, Germany, Hungary, IFAW, International Committee of the Red Cross, Italy, Japan, Kuwait, Luxembourg, Mercy Corps, Montenegro, Norway, OSCE, OXFAM, Pakistan, Poland, Save the Children, Slovakia, Slovenia, Sweden, Switzerland, The Netherlands, Turkey, UK, UN (IOM, UNDP, UNESCO, UNFPA, UNHCR, UNICEF, UNOCHA, UNOHCHR, UN Women, WFP, WHO), USA, World Bank, World Vision.

Attached is detailed overview of IC humanitarian assistance.

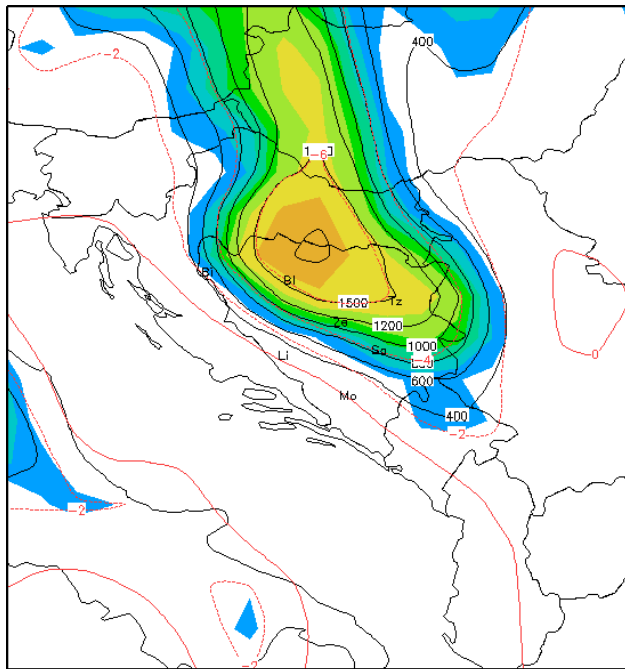
Interactive maps of flooded areas:

[UG Zašto Ne!](#)

[Google Maps floods report.](#)

[Aljazeera interactive map.](#)

**Surface based CAPE, expected rainfall on May 23, 2014**

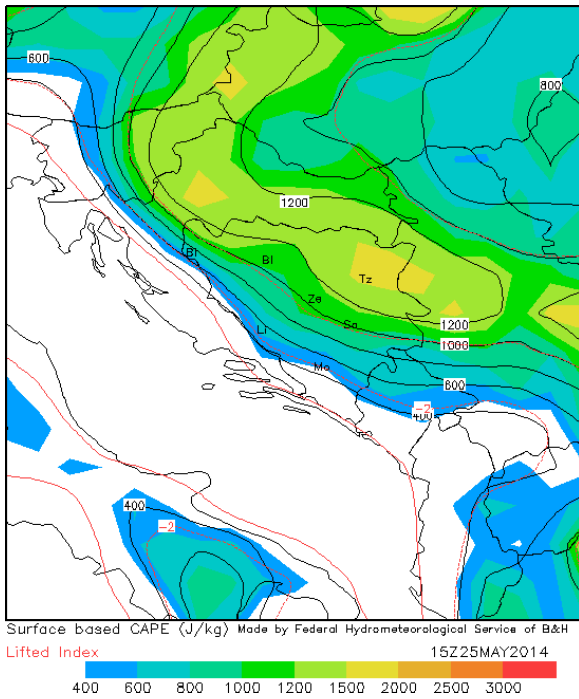
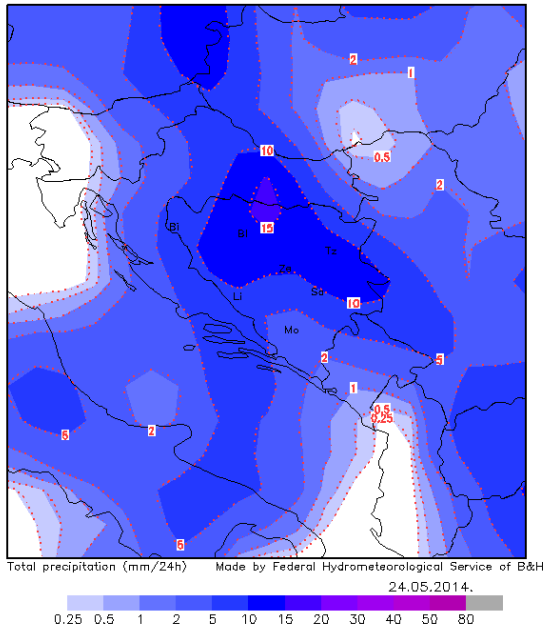


Surface based CAPE (J/kg) Made by Federal Hydrometeorological Service of B&H

Lifted Index 18Z23MAY2014



**Surface based CAPE, total precipitation map for May 24, 2014**



**Surface based CAPE, expected rainfall on May 25, 2014**

## Surface based CAPE, expected total precipitation on May 25, 2014

