



*Empowered lives.
Resilient nations.*

Drin Basin

UNDP MONTENEGRO

Tirana, 28 May 2013

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UNDP Montenegro

2010 floods – figures at national level

- Estimated total damages and losses:
approx. **€ 44 million** i.e. **1.49%** of **2009 GDP**

- Floods directly affected:
 - 12 out of 21 Municipalities
 - 6 in Northern region, 4 in Central region, 2 in Southern region
 - **2,898 households** which flooded
 - **9,366 people** who had to be evacuated

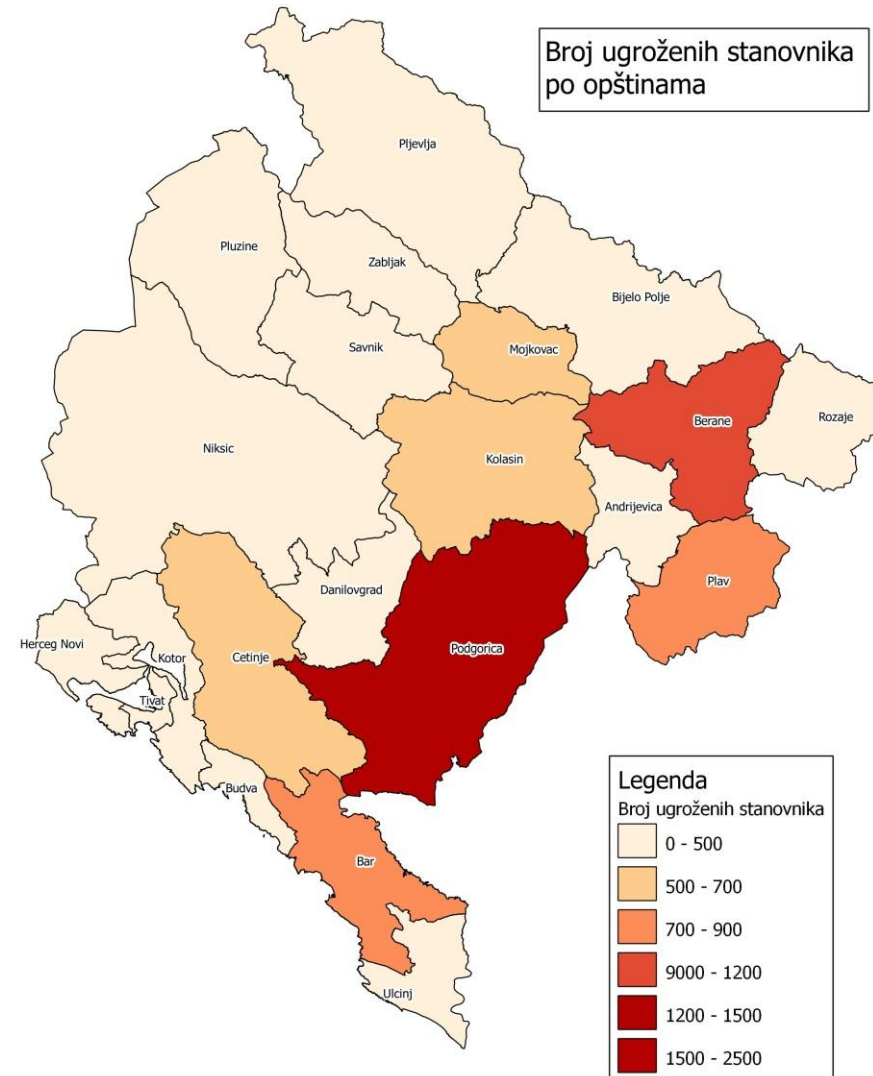
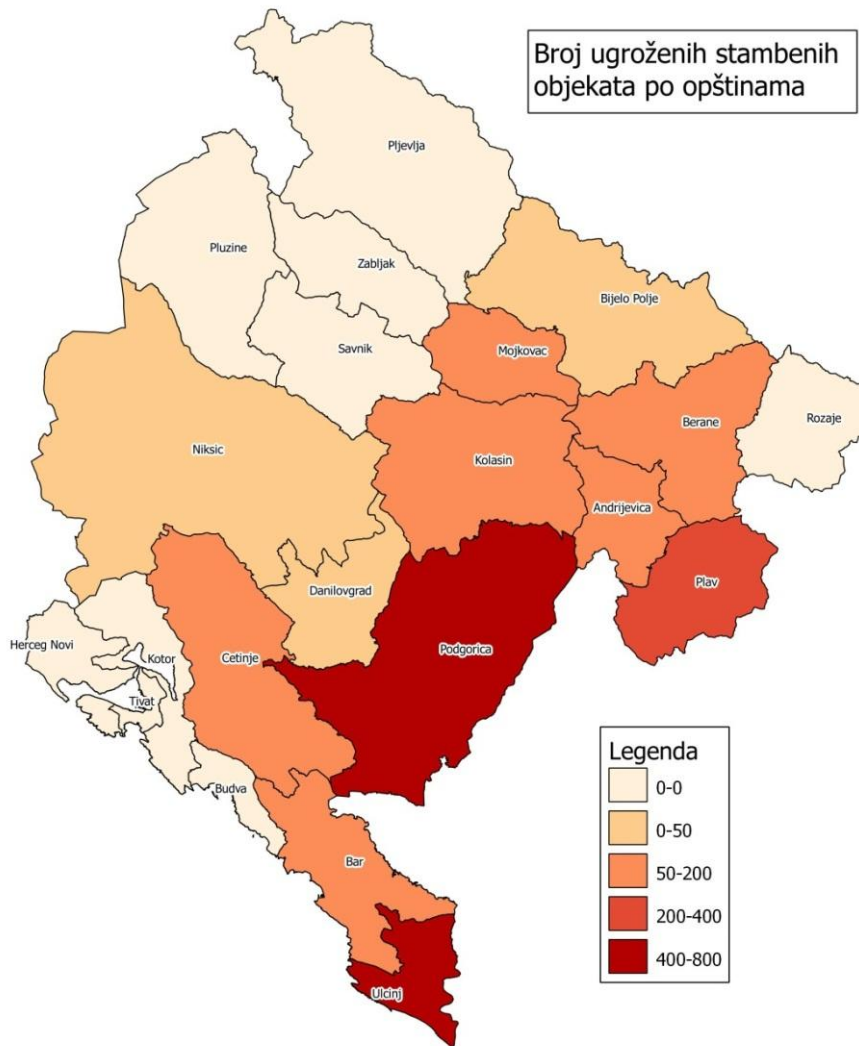
 - **1.5%** of the **total population** of Montenegro

(source: 'Post-Disaster Needs Assessment following the November – December 2010 Flood Disaster in Montenegro')

2010 floods – Municipalities

Number of affected households

Number of affected people

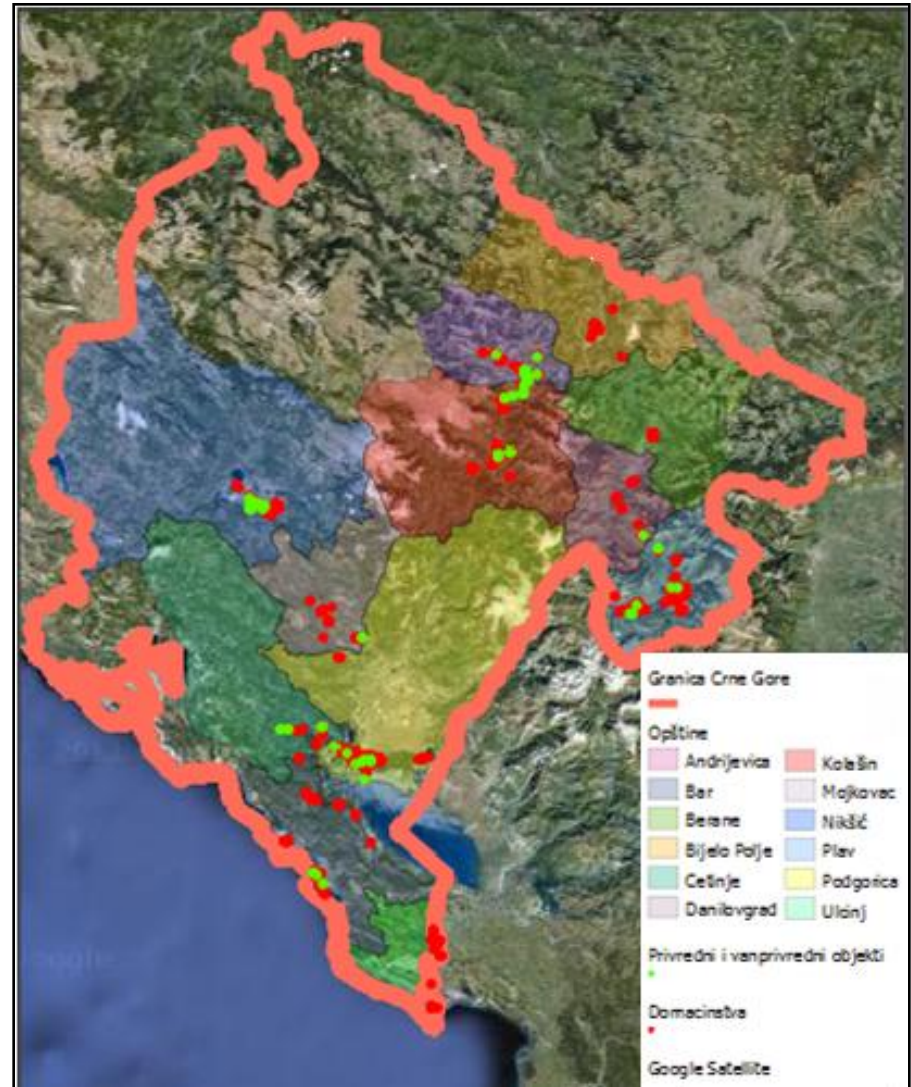


Municipality Preparedness Plans

Sector of Emergency Management and UNDP supported:

▣ 12 hazard prone municipalities in developing Flood Assessments and Preparedness Plans

▣ 12 Municipalities: Bar, Ulcinj, Podgorica, Cetinje, Danilovgrad, Nikšić, Mojkovac, Kolašin, Bijelo Polje, Berane, Plav and Andrijevica



Municipality Preparedness Plans

- Geographic Information System

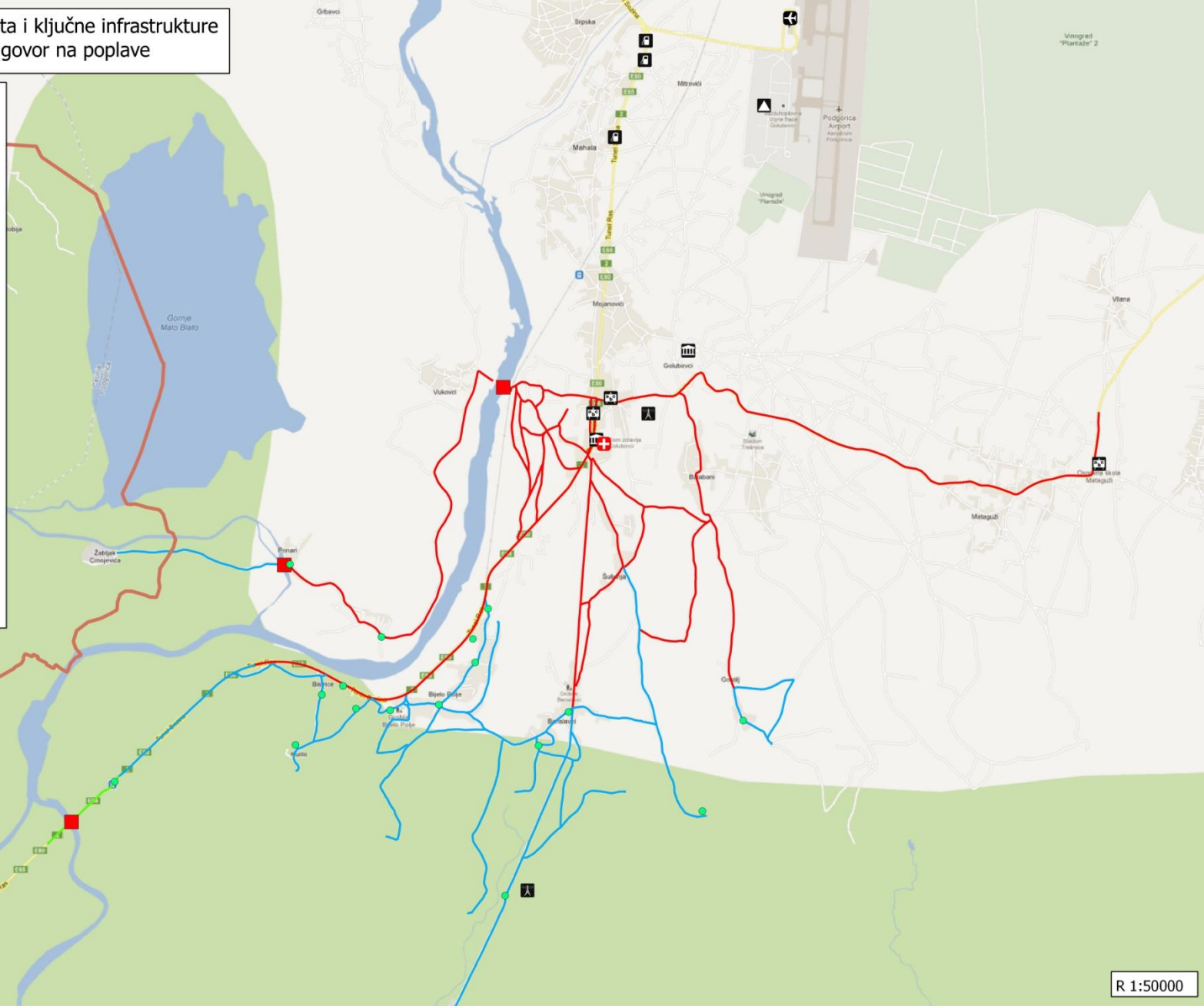
- With UNDP's technical support these municipalities developed Geographic Information System (GIS) databases that geographically display 2010 floods data:
 - ▣ Affected households (including numbers of children, elderlies, family members with disabilities, etc.)
 - ▣ Commercial objects
 - ▣ Infrastructure

- **Maps for flood preparedness plans** locating all important infrastructures, evacuation routes, medical facilities, etc.
 - The maps are an integral part of all preparedness plans

Mapa opštinskih subjekata i ključne infrastrukture u planu za pripremu i odgovor na poplave

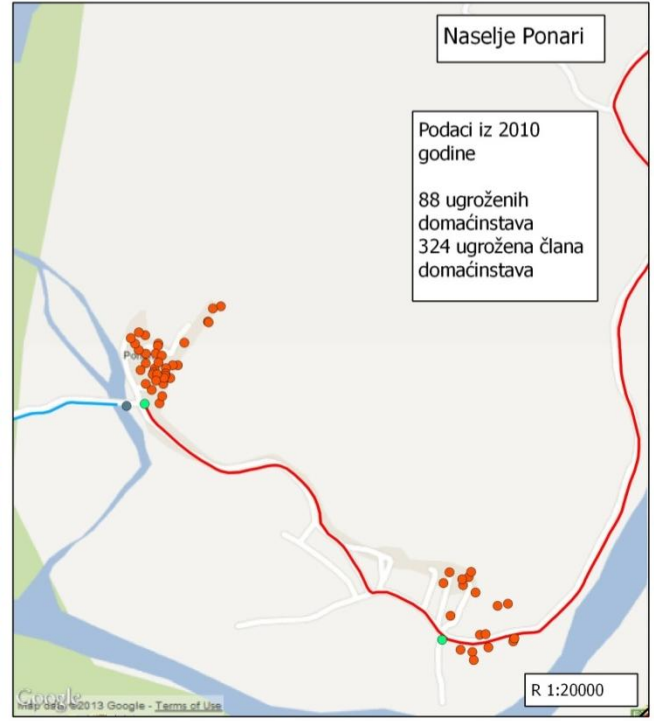
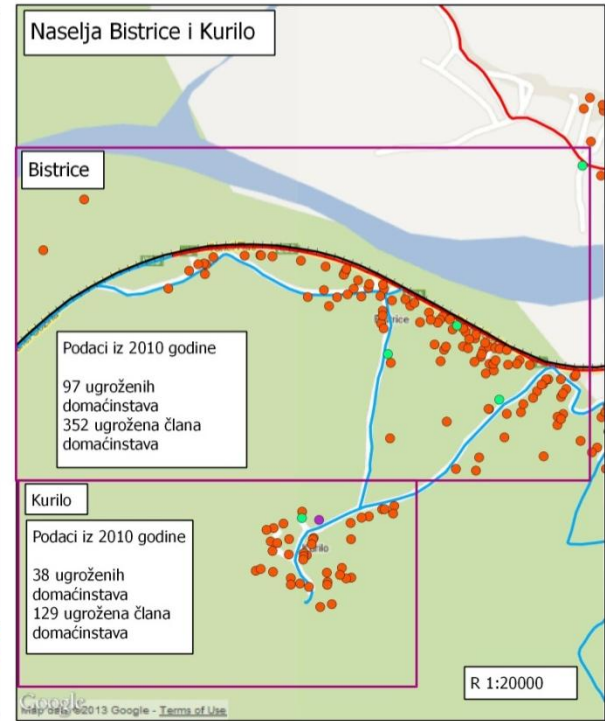
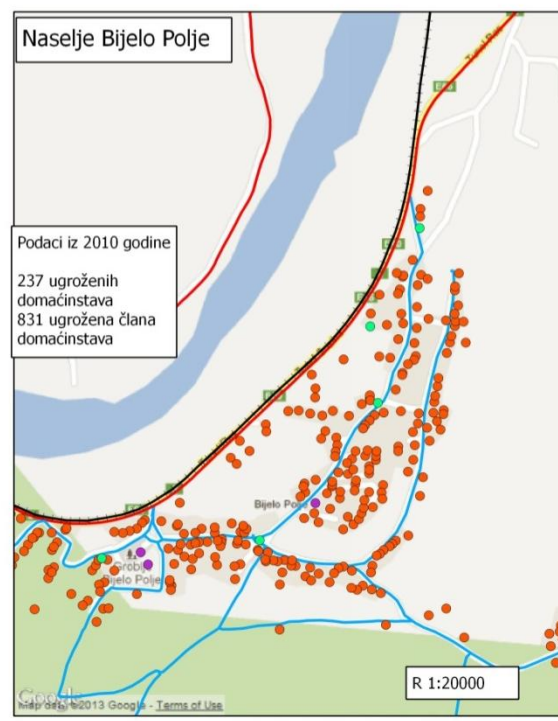
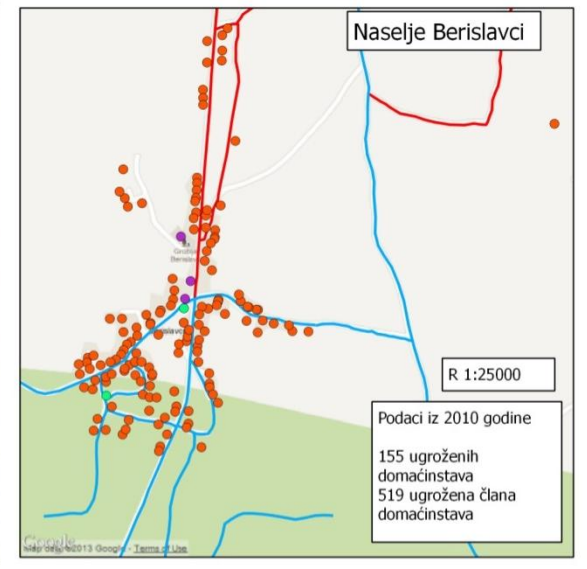
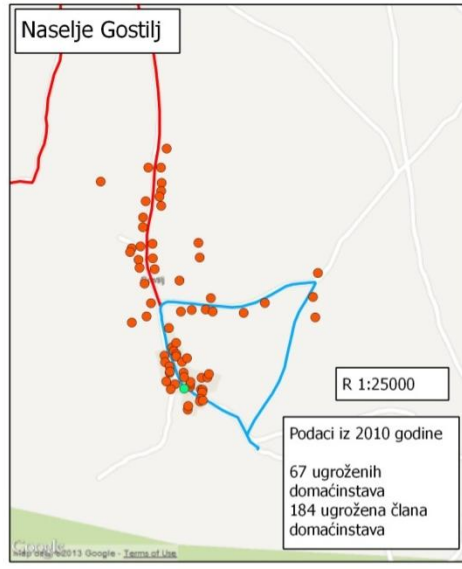
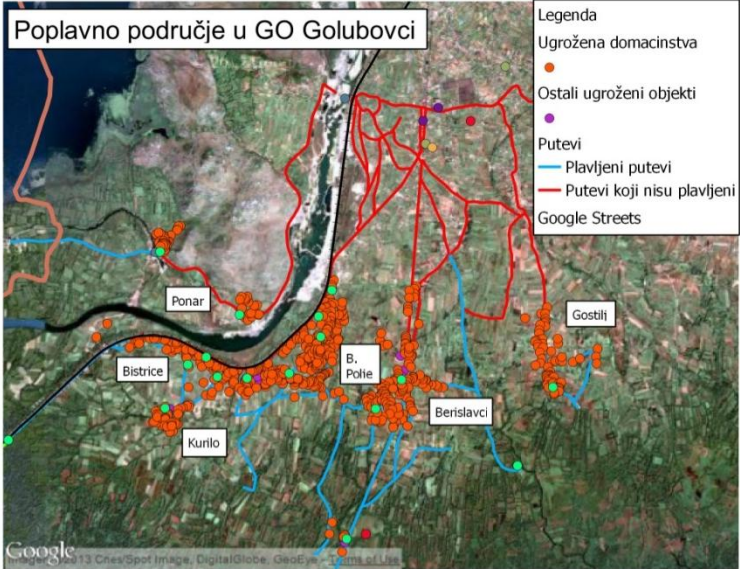
Legenda

- Trafostanice
- Zdravstveni objekti
- TK repetitori
- Skloništa
- Škole
- Saobraćajni objekti
- Aerodrom
- Benzinska pumpa
- Most
- Opštinski objekti
- Putevi
- Plavljeni putevi
- Putevi koji nisu plavljeni



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Map of affected infrastructure during 2010 floods – PODGORICA

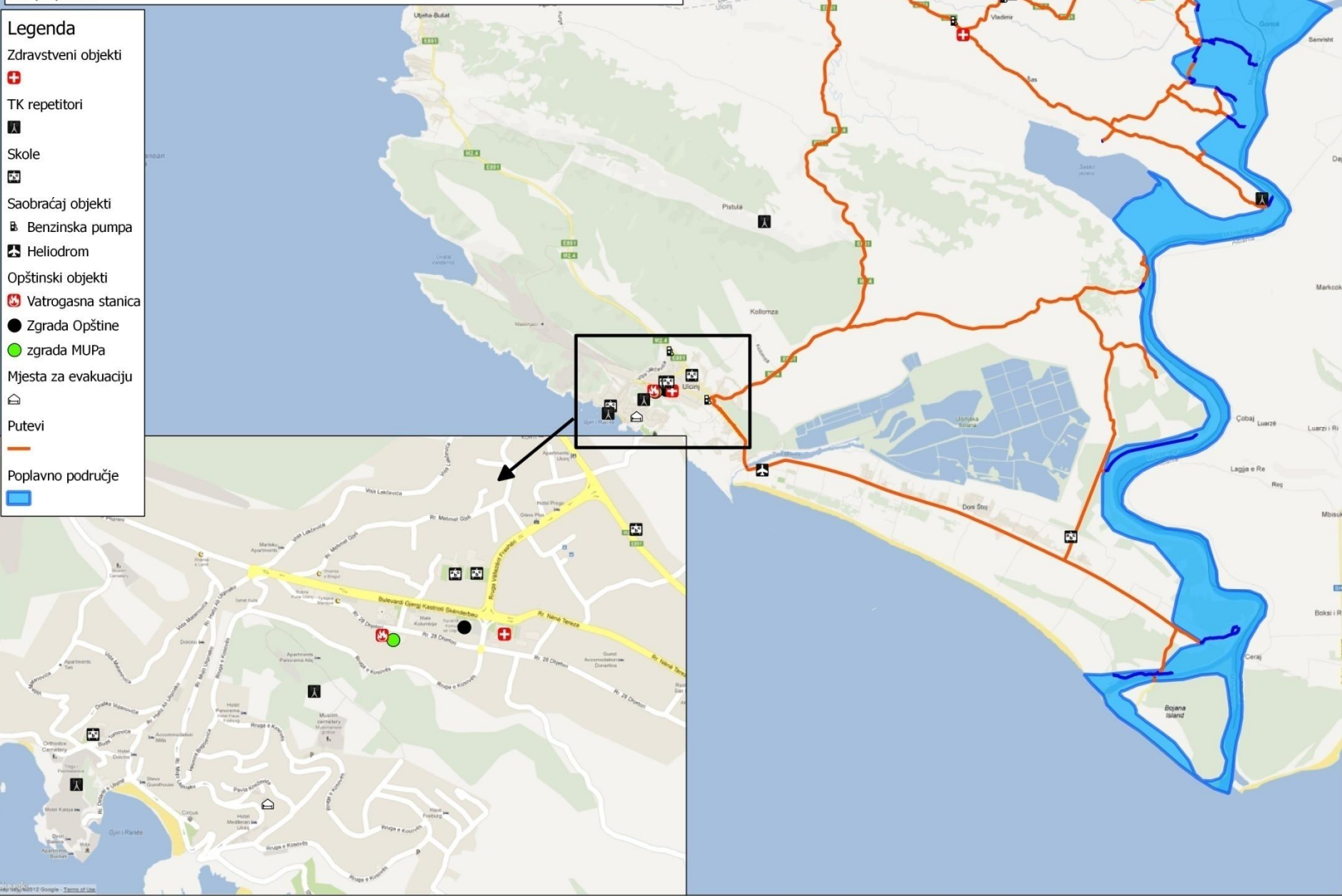


Map of affected infrastructure during 2010 floods – PODGORICA

Mapa opštinskih subjekata i ključne infrastrukture u planu za pripremu i odgovor na poplave

Legenda

- Zdravstveni objekti
- TK repetitori
- Skole
- Saobraćaj objekti
- Benzinska pumpa
- Heliodrom
- Opštinski objekti
- Vatrogasna stanica
- Zgrada Opštine
- zgrada MUPa
- Mjesta za evakuaciju
- Putevi
- Poplavno područje

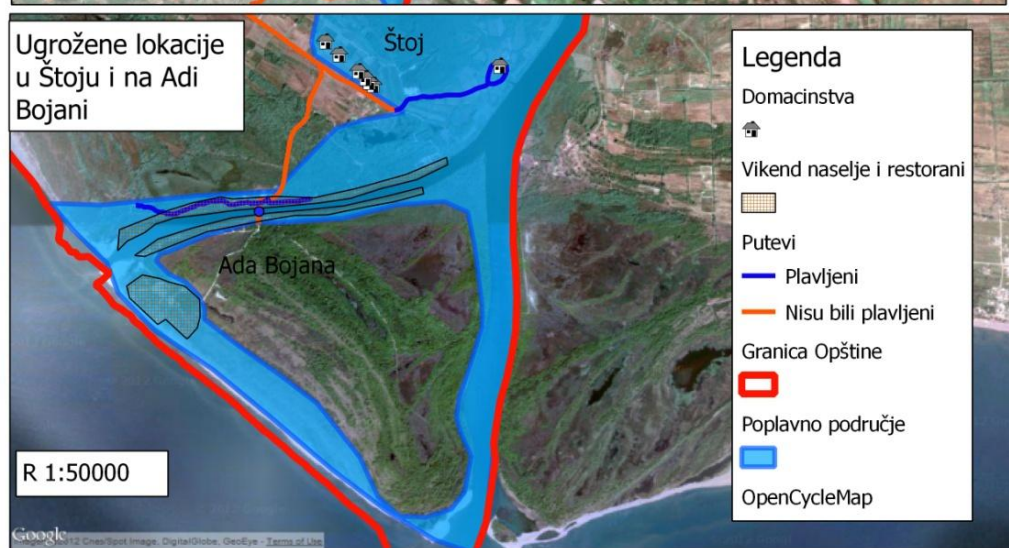


Map of affected infrastructure during 2010 floods – ULCINJ

Granice Opštine Ulcinj sa poplavljenim područjem



Mapa poplavljenih područja u Opštini Ulcinj u 2010 godini



Community Lisna Bore

19 households affected
30 children
50 adults
19 old persons



Map of affected infrastructure during 2010 floods – ULCINJ

Possible synergies



- Context
 - Experience & Knowledge
- Baseline
- Partners



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Thank you for your attention

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