

City of Ljubljana

Emergency training and exercises in the City of Ljubljana

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FACTS ABOUT CITY OF LJUBLJNA

- capital of Slovenia
- political, cultural, financial and scientific centre
- pop. 289,518 (source: SURS, 1.1.2018; ~14% of SI pop.)
- area ~14 km N-S axis, ~22 km E-W axis,
- medium-sized European city
- additional 360.000-480.000 (students, tourists, daily workers from neighbouring municipalities and regions)







City of Ljubljana





BASIC MUNICIPAL TASKS

- urban planning (but not issuing building licenses & exercising construction control)
- kindergartens, primary schools, primary health care,
- local roads,
- household waste disposal,
- potable water,
- sewage, heating, gas, cemetery, parking,
- public fire service & emergency management,
- public parks, public sport facilities ...





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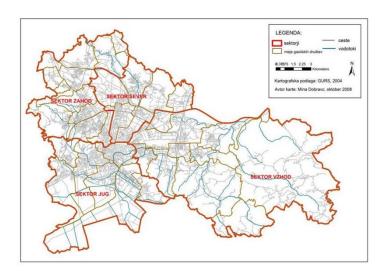




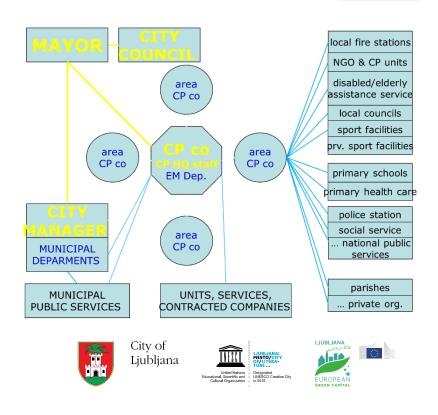
EMERGENCY MANAGEMENT DEPARTMENT

- 9 personnel
- public service
- responsible for system as a whole
- 24/7 duty officer









PROFESSIONAL AND VOLUNTARY ORGANIZATIONS















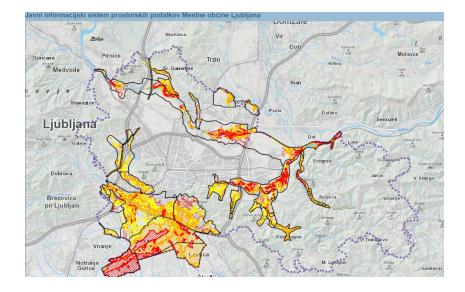
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LJUBLJANA. *For you.* www.ljubljana.si/en Compared to the flood in 1926, the 2010 was smaller in scale, but it affected far more buildings and people.

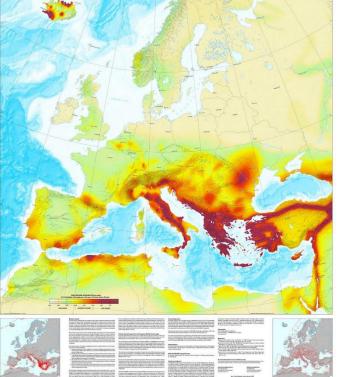












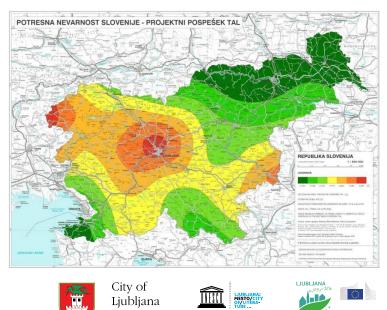






EUROPEAN GREEN CAPITA

Ljubljana's earthquake 1895 M = 6,1 $I_0 = VIII-IX$















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EUROPEAN GREEN CAPITAL

















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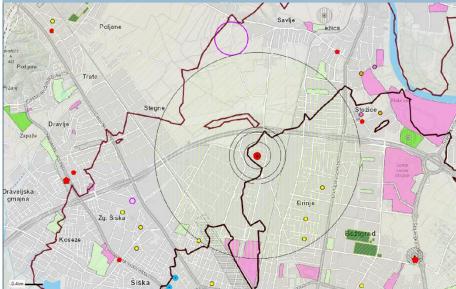
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Javni informacijski sistem prostorskih podatkov Mestne občine Ljubljana





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TRAINING AND EXERCISES

- part of preparedness chapter
- within comprehensive emergency management
- repetitio est mater studiorum or is it?











TRAINING

Table top exercises

- Earthquake 2012, 2015
- EU ModTTX
- real life data
- case studies











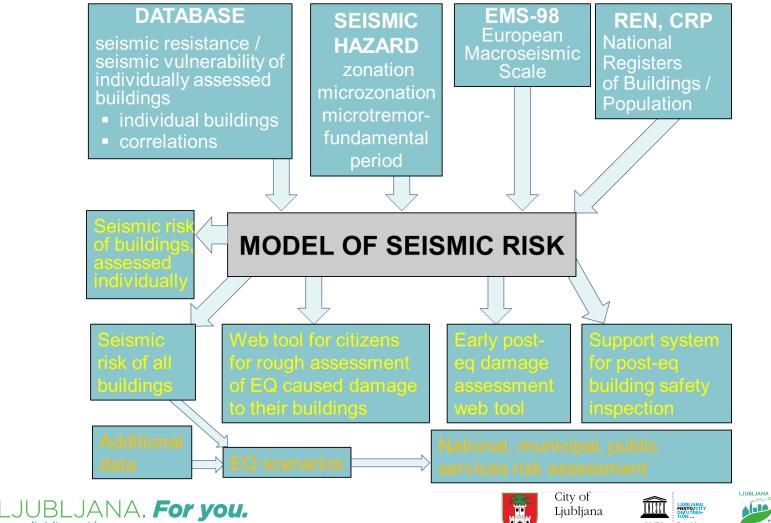


Ljubljana

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TRAINING - POTROG



www.ljubljana.si/en



Analiza za potres: 30.06.2014 ob 04:09 5 km J od Ljubljane, intenziteta 8

VIII (močne poškodbe) VIII (močne poškodbe) Ocena obsega drugega potresa

Ocenjeno padanje intenzitete izbranega potresa.

TRAINING - POTROG

Nazaj Naprej

Podatki o stavbi

Korak 1/9

Leto zgraditve stavbe 1956

Število kletnih etaž:

0

Kletne etaže so tiste, ki so vsaj deloma vkopane.



Število etaž nad pritličjem:

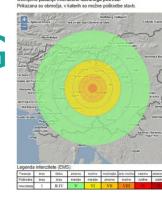
P + 4

Pritličie je prva etaža, ki je v celoti nad nivojem zemljišča. Mansarda se šteje za nadstropje, če je nad njo pohodna stropna konstrukcija, sicer ne. Upoštevajte tudi nadstropja, ki pokrivajo le del tlorisa.



Nazaj Naprej





destruction

107

6,912

Urban search and

rescue

Medical assistance Dead

Temporary

sheltering

Rebuilding

2%

73

T

5

4

1,339

25.293

Scenario for the earthquake of the VII - IX EMS intensity with the epicenter in the

middle of the City of Ljubljana

19,026

74,055

19%

218

2

9,136

40,867

Temporary

sheltering

Mid to long term

temporary housing

20%

202

e

4,953

54,538

10%

332

£

unknov

12,551

58,683

385

0

25,074

38,626

49%

342

Damage

degree

Buildings

Permanently

registered

citizens

Rescue

personnel

Cultural heritage

buildings

Analiza obsega (vkliučene so le stavbe Republike Slovenije)

Ocena ogroženih stavb in prebivalcev

Vsote Po občinah (RDEČE) Po občinah (RUMENO) Ali si čutil

Analiza za območje celotne Slovenije

	Ogrožene stavbe	Ogroženi prebivalci (nočni scenarij) 5552 (0%)		
Potrebna stalna namestitev	127 (0%)			
Potrebna začasna namestitev	8627 (2%)	68784 (11%)		
Bivanje v stavbi je možno	246254 (83%)	448914 (73%)		
Neocenjene stavbe	39890 (13%)	89943 (14%)		
Skupaj	294898 (100%)	613193 (100%)		

Analiza po občinah

Zanesljivost ocene pri občinah označene z * je bistveno manjša od ostalih

Občina	Stavbe (RD)	Stavbe (RU)	Stavbe (ZE)	Stavbe (N/A)	Preb (RD)	Preb (RU)	Preb (ZE)	Preb (N/A)
BOROVNICA	0	6	1917	374	0	110	2961	614
BREZOVICA	1	432	5321	861	8	677	8861	1356
IG	2	415	3645	682	9	676	4636	1036
KRANJ	0	105	14799	1141	0	3525	41682	2949
LITIJA *	0	33	7443	983	0	579	11133	1564
LJUBLJANA	124	6271	53240	12551	5535	55476	115312	40597
LOG-DRAGOMER	0	57	1517	177	0	73	3210	269
LOGATEC	0	36	5792	832	0	283	9948	2398
MEDVODE	0	28	6683	1068	0	285	12842	1612
VODICE	0	5	2264	310	0	10	4132	435
VRHNIKA	0	38	6767	985	0	392	12062	1607

Nazaj Ponovna ocena

Rezultati

Korak 9/9 Rezultati so prikazani za naslednjo stavbo: leto izgradnje: 1956 konstrukcija: OPEKA št. etaž: P + 4

dejanska intenziteta: VIII



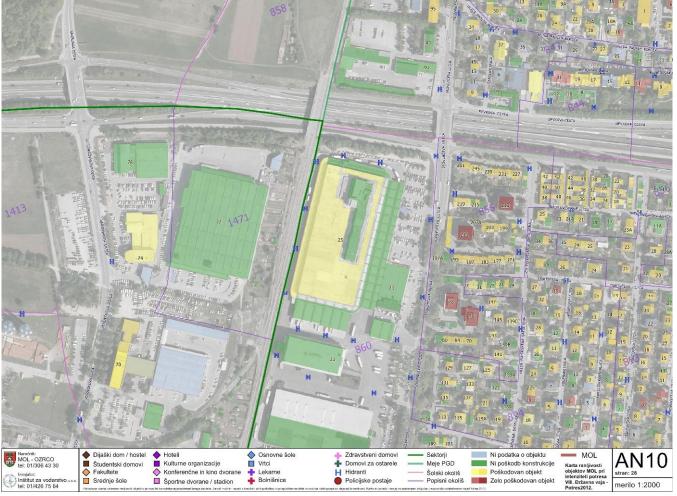
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0%





TRAINING - POTROG











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EUROPEAN GREEN CAPITAL

TRAINING

as realistic as possible

basic knowledge

assessing the needs of the system

special knowledge and techniques







gradual

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TRAINING – WORKING WITH PUBLIC



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TRAINING - FIRST AID, PREHOSPITAL TREATMENT









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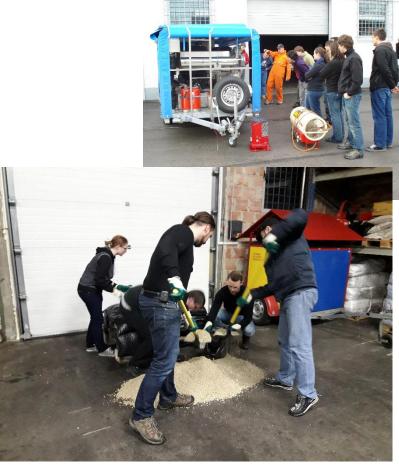
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TRAINING – PREAPERDENS WORKINGSHOPS













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TRAINING – FIRST **PSYCHOLOGICAL AND SOCIAL AID**





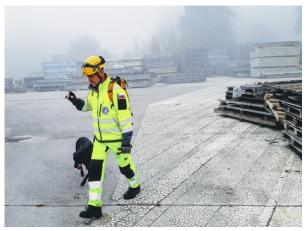
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EXERCISES – IRO













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EXERCISES – 6inAction







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EXERCISES – STOŽICE 2016

















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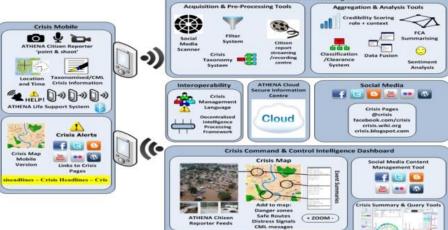
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EXERCISES – STOŽICE 2016 Athena app



EXERCISES – STOŽICE 2016 **Crisis Information Processing Centre** Athena app Acquisition & Pre-Processing Tools Crisis Mobile 0 4 00





Mobile



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1

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ines - Crisis Headlines - Cri



FUROPEA

EXERCISES - RRR











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EUROPEAN GREEN CAPITA

Thank you, for your kind attenion





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