



**REPUBLIC OF CROATIA
STATE GEODETIC ADMINISTRATION**



Tasks of State Geodetic Administration

Nikola Vučić, Ph.D

**FIG commission 7
Sevilla 2022**

LAND ADMINISTRATION IN CROATIA

- Two registers CADASTRE & LAND REGISTRY
 - **112 cadastral offices + Cadastre office of City of Zagreb dgu.gov.hr**
 - 107 land registry offices
 - The responsible public authority institutions are the State Geodetic Administration (for the cadastre) and municipal courts (for land registry).
 - **Licensed surveyors www.hkoig.hr**
 - Lawyers and notaries
-

Joint Information System



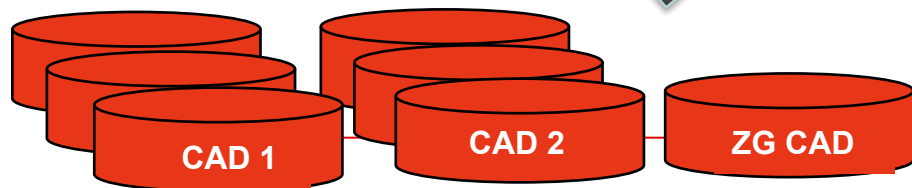
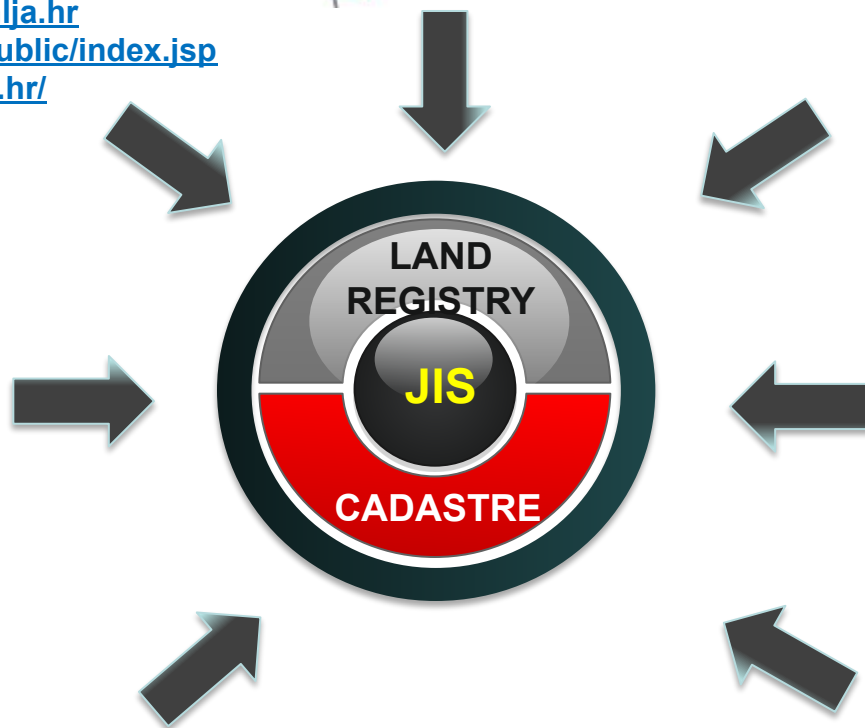
www.katastar.hr
<https://e-uprava.apis-it.hr> (ZG katastar)
<http://pia.uredjenazemlja.hr>
<https://oss.uredjenazemlja.hr/public/index.jsp>
<http://geoportal.dgu.hr/>



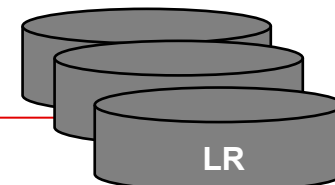
Digital Archive (MoJ, SGA)



Database of digital cadastral map



112 a/n database SGA + ZAGREB CADASTRE



107 database of Land Registry

Geoportal DGU geoportal.dgu.hr

avenija većeslava I

Učitavanje vanjskih podataka

ZAPRUĐSKI OTOK

Stanje DKP-a na dan: 22.10.2022

MJERILO 1 : 5 000

HTRS96/TM 1026 E 459580 11°N 15071016

BUILDING CADASTRE – new evidence

Building cadastre



CADASTRAL MAP HOMOGENIZATION



Autodesk Map - [C:\Users\Asus\Desktop_Prezentacija\Prolaz 8a\331163_KNEGINEC_IT8a.dwg]

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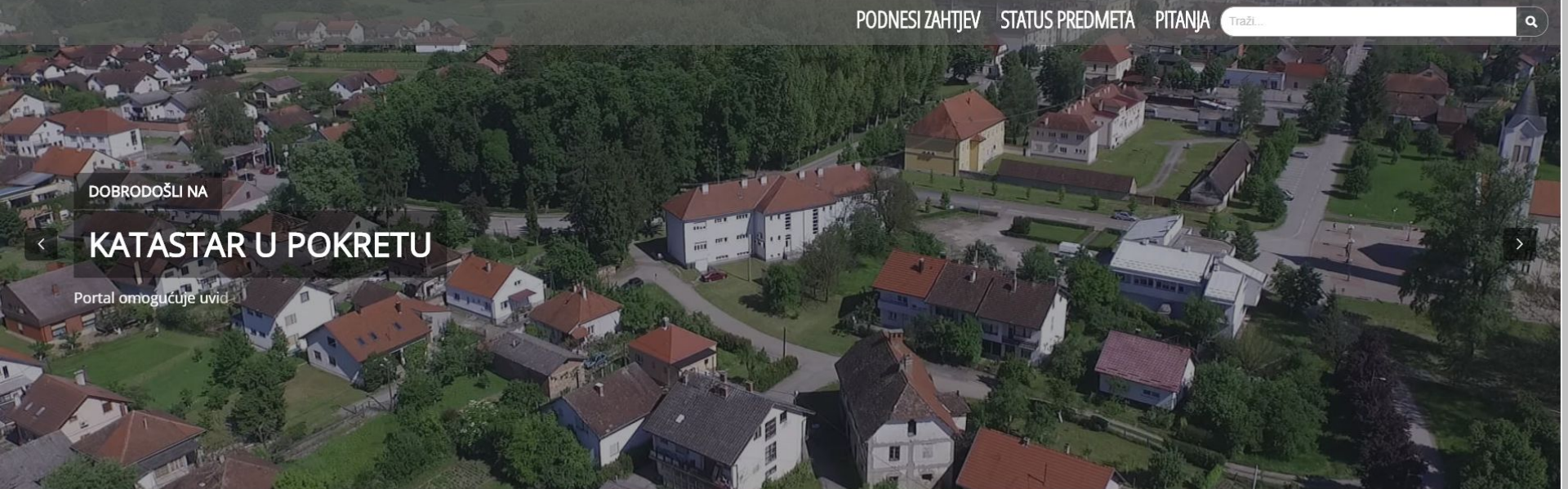
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Model Layout1

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DOBRODOŠLI NA

KATASTAR U POKRETU

Portal omogućuje uvid



Lociraj me



Pronađi
katastarsku
česticu



Pronađi
adresu



Pronađi
katastarski
ured



Pronađi
zemljišnoknjižni
odjel

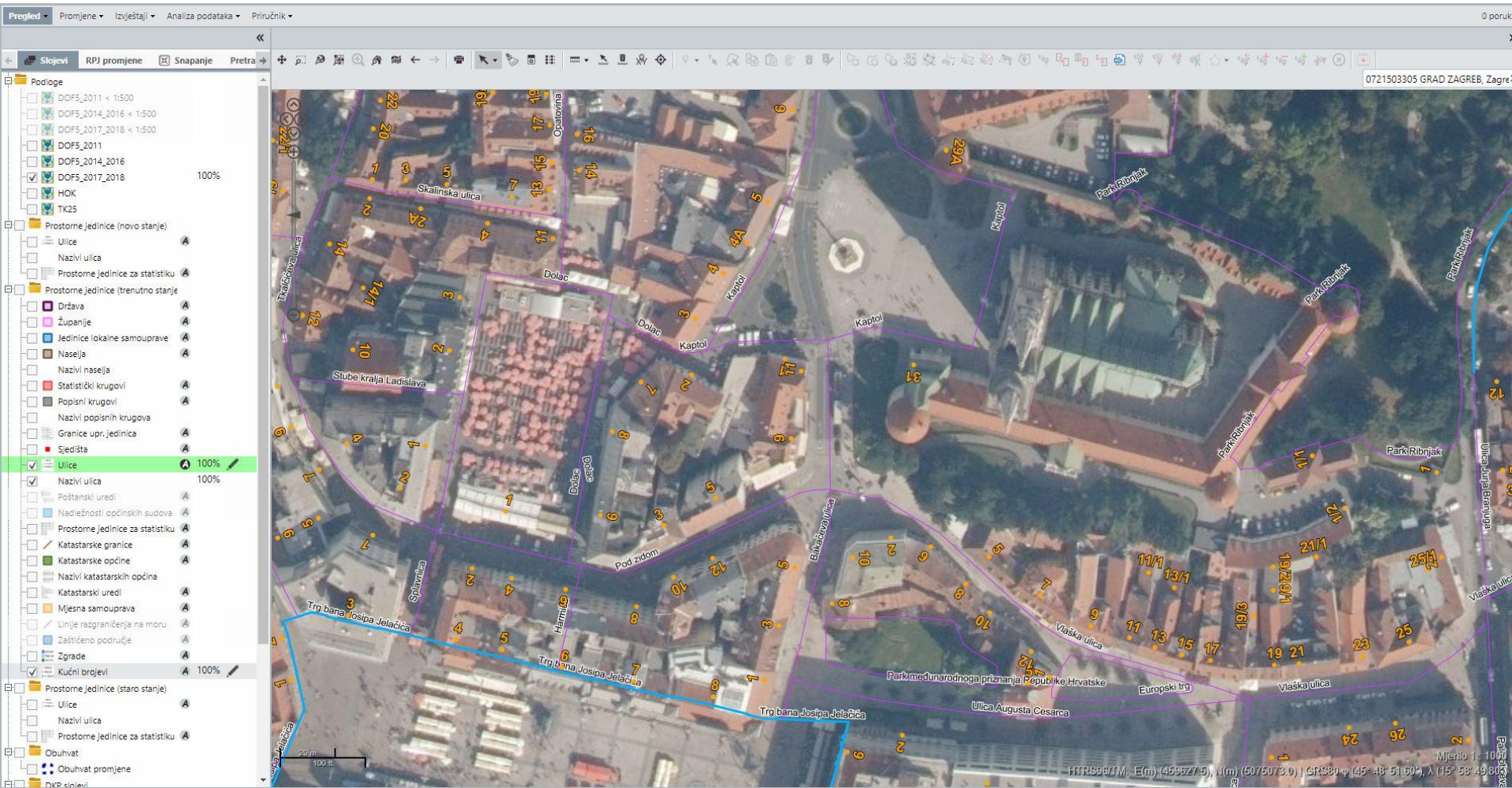


Pronađi
geodetskog
izvoditelja

Web service WWW.KATASTAR.HR

-
- Locates the user on the cadastral parcel on which he is located
 - Shows all cadastral data of cadastral parcel (area, owner, usage, graphical representation...) for the whole Republic of Croatia
 - Enables search by cadastral parcel, address, spatial unit or geographical name
 - Provides additional information of (nearest) land registry offices, land surveyors and cadastral offices
-

Register of Spatial Units



Number of Spatial Units

Podaci o prostornim jedinicama	
Broj županija/Grad Zagreb	21
Broj jedinica lokalne samouprave (gradovi i općine)	556
Broj jedinica mjesne samouprave	3753
Broj katastarskih općina	3420
Broj naselja	6757
Broj statističkih krugova	13561
Broj popisnih krugova	29202
Broj ulica i trgova	53835
Broj evidentiranih kućnih brojeva	1658486

Izvor: Registar prostornih jedinica Državne geodetske uprave na dan 01.09.2022.

National Spatial Data Infrastructure (NSDI)



In the Republic of Croatia, the National Spatial Data Infrastructure (NSDI) is defined by the National Spatial Data Infrastructure Act (56/2013, 52/2018, 50/2020). According to the said Act, the State Geodetic Administration has the role of the National Contact Point and is, among other things, responsible for the establishment, maintenance and development of the NSDI Geoportal. The NSDI Geoportal is the starting point for access to spatial data sources of the Republic of Croatia, which are part of the National Spatial Data Infrastructure pursuant to the Act. It is available at <http://geoportal.nipp.hr>

Utility line cadastre

- ❑ **Producing new IT system for whole country (for digital data of utility line cadastre)**
 - ❑ **Project finished in 2020 and for the first step data from 3 county will be import in this system**
 - ❑ **EU funding project (12.3 millions HRK)**
 - ❑ **Data entry into the system for other counties are in process**
-

Utility lines system

ski.dgu.hr

REPUBLICA HRVATSKA
Državna geodetska uprava

SKI

JEDINSTVENA INFORMACIJSKA TOČKA - SUSTAV KATASTRA INFRASTRUKTURE

Prijava →



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Europska unija
Zajedno do fondova EU

EUROPSKI STRUKTURNI
I INVESTITIJSKI FONDOWI

Operativni program
KONKURENTNOST
I KOHEZIJA

Projekt je sufinancirala Europska unija iz Europskog
fonda za regionalni razvoj. Sadržaj internetske stranice
isključiva je odgovornost Državne geodetske uprave.

O NAMA UVJETI KORIŠTENJA IZJAVA O PRISTUPAČNOSTI KONTAKT ZAKONI

New cadastral surveys

COUNTY	Whole cadastral municipality	cadastral municipality zone	Public display	confirmed survey report	Survey report in process of review	Survey	Total number of cadastral municipalities
Bjelovarsko-bilogorska	5	2	2	0	0	0	7
Brodsko-posavska	13	0	2	0	0	0	15
Dubrovačko-neretvanska	14	0	11	10	0	0	35
Grad Zagreb	2	2	3	0	0	1	6
Istarska	7	0	4	11	0	0	22
Karlovačka	9	0	3	0	0	0	12
Koprivničko-križevačka	12	0	4	2	0	0	18
Krapinsko-zagorska	2	0	2	0	0	0	4
Ličko-senjska	3	2	2	3	0	0	8
Međimurska	9	0	1	0	0	0	10
Osječko-baranjska	33	0	4	5	0	0	42
Požeško-slavonska	18	0	2	2	0	0	22
Primorsko-goranska	20	5	9	17	1	0	47
Sisačko-moslavačka	15	0	2	0	0	1	18
Splitsko-dalmatinska	5	1	10	11	0	0	26
Šibensko-kninska	0	0	3	0	0	0	3
Varaždinska	11	0	2	0	0	0	13
Virovitičko-podravska	8	0	2	2	0	0	12
Vukovarsko-srijemska	6	0	0	2	0	0	8
Zadarska	32	0	19	16	0	0	67
Zagrebačka	25	1	5	1	0	1	32
TOTAL	249	13	92	82	1	3	427
	262						

MULTI-ANNUAL PROGRAM OF CADASTRAL SURVEYS OF CONSTRUCTION AREAS FOR THE PERIOD 2021-2030



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- ❑ **Multi-Annual Program of Cadastral Surveys of Construction Areas for the Period 2021-2030 determines the areas in which areas cadastral surveys will be carried out, real property cadastre activities and tasks and renewal or establishment of land registers, manner and deadlines, holders and participants in the implementation, methods of their financing and other issues important for the implementation of the program.**
 - ❑ **The main goal of the program is the establishment of the real property cadastre cadastre and renovation or establishment of land registers based on cadastral surveys for real property in construction areas in the Republic of Croatia.**



MULTI-ANNUAL PROGRAM OF CADASTRAL SURVEYS OF CONSTRUCTION AREAS FOR THE PERIOD 2021-2030


- ❑ **Sub-program A) Renewal of cadastre and land registers for construction areas in the Republic of Croatia**
 - ❑ **Sub-program B) Completion of the started procedures of cadastre and land registry renewal**
 - ❑ **Sub-program C) Harmonization of areas and boundaries of cadastral municipalities**
 - ❑ **Sub-program D) Ensuring the functioning of integrated information systems in the function of the spatial management policy of the Republic of Croatia.**
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Recent scientific paper about disasters in Croatia



Article

Importance of Official Geodata in Disaster Risk Management—Case Study of Croatia

Nikola Vučić ^{1,*}, Vlado Cetl ², Damir Šantek ¹ and Mario Mađer ¹

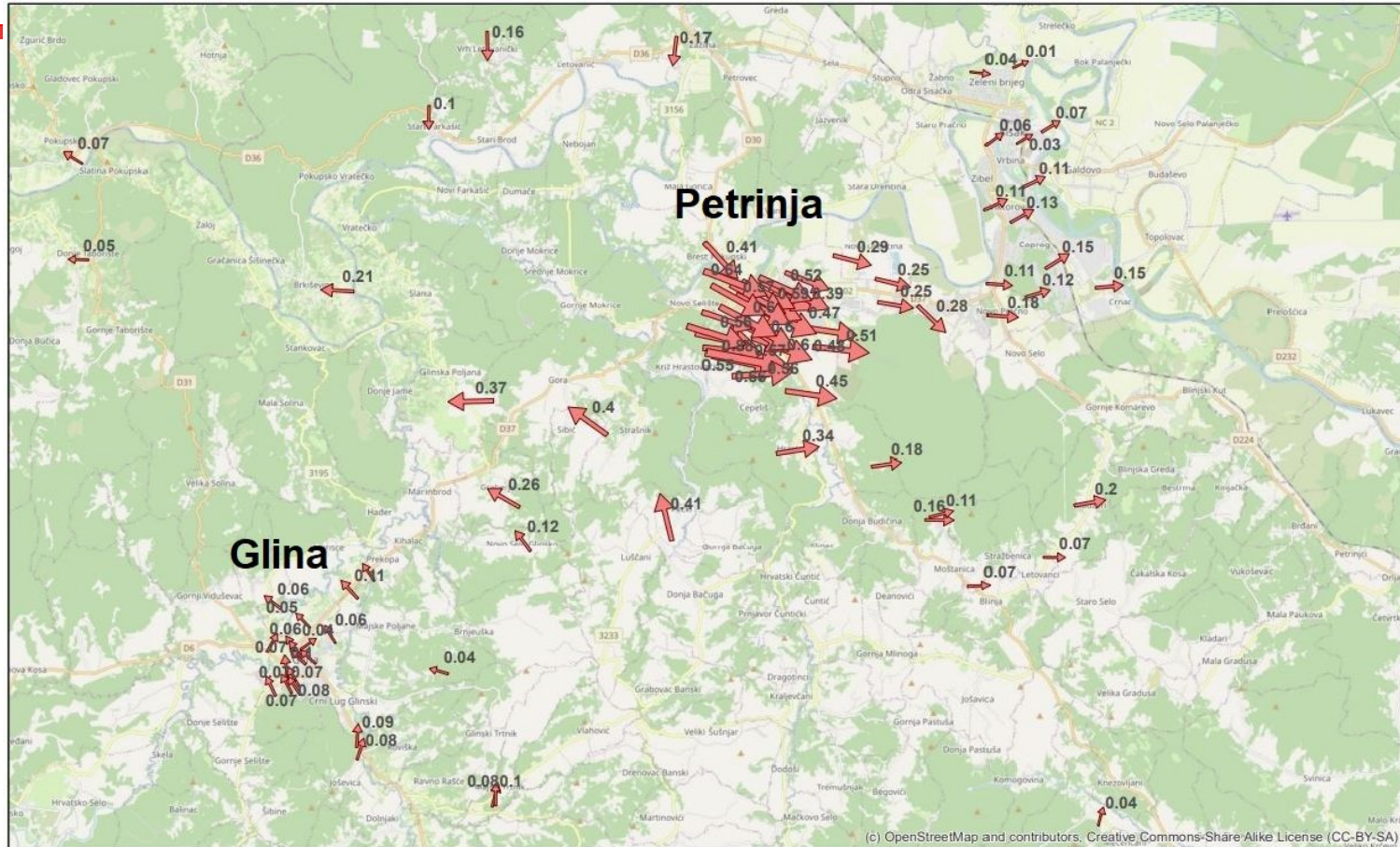
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How Utility lines cadastre can help in disaster management?

Disasters in Croatia - EARTHQUAKE



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0 1 2 4 6 8 10 km
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HTRS96/TM
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Disasters in Croatia - EARTHQUAKE



**Consequences
of the
earthquake in
Petrinja city on
29th December
2020**

APPLICATION FOR PETRINJA EARTHQUAKE 2020



APPLICATION FOR PETRINJA EARTHQUAKE 2020



THANK YOU FOR YOUR ATTENTION!

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