

CHANCEN DURCH EU-GELDER FÜR SLOWENIEN UND KROATIEN

WIR STARTEN IN KÜRZE

ernational

 Bundesministerium Digitalisierung und Wirtschaftsatandort



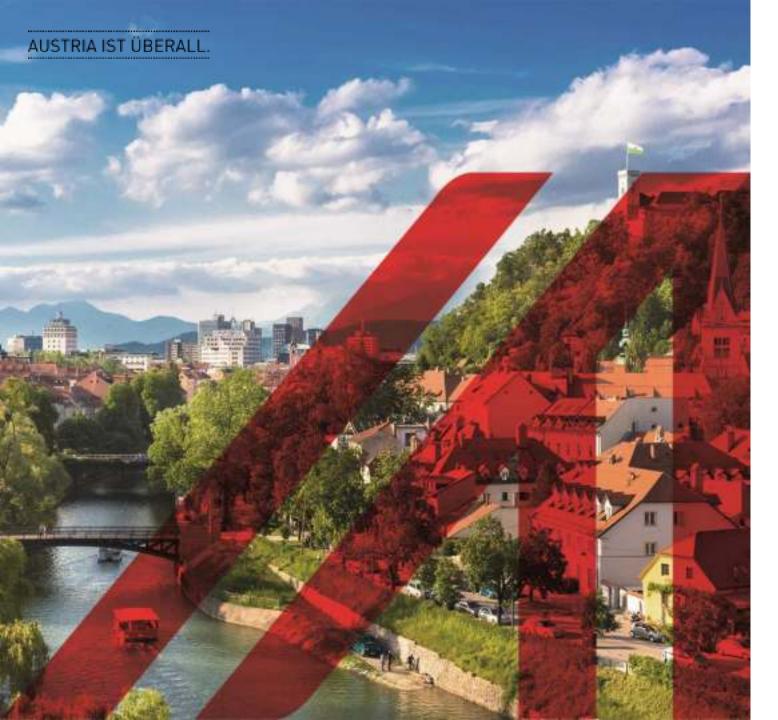
CHANCEN DURCH EU-GELDER FÜR SLOWENIEN UND KROATIEN

WAS SIE TECHNISCH WISSEN SOLLTEN

- ✓ Fragen? Jederzeit eingeben! Antwort folgen je nach Zeit am Ende des Vortrags oder anschließend per Mail
- Eine Sequenz nochmal sehen? Spannende Passage verpasst? Kein Problem: Es gibt eine Aufzeichnung: youtube.com/user/aussenwirtschaft
- ✓ Technische Schwierigkeiten? Techniksupport im Chat









AussenwirtschaftsCenter Laibach

CHANCEN DURCH EU-GELDER FÜR SLOWENIEN

Mag. Wilhelm Nest Österr. Wirtschaftsdelegierter

Ljubljana, 21. April 2021



CHANCEN DURCH EU-GELDER: SLOWENIEN

n Košir – Regierungsamt für Entwicklung und Kohäsionspolitik
ELDER: ERFOLGREICHE POST-CORONA ERHOLUNG
Vilhelm Nest, österreichische Wirtschaftsdelegierter in Slowenien
ÜSSUNG / EINFÜHRUNGSWORTE





EU FUNDING OPPORTUNITIES: POST-PANDEMIC RECOVERY STRATEGY

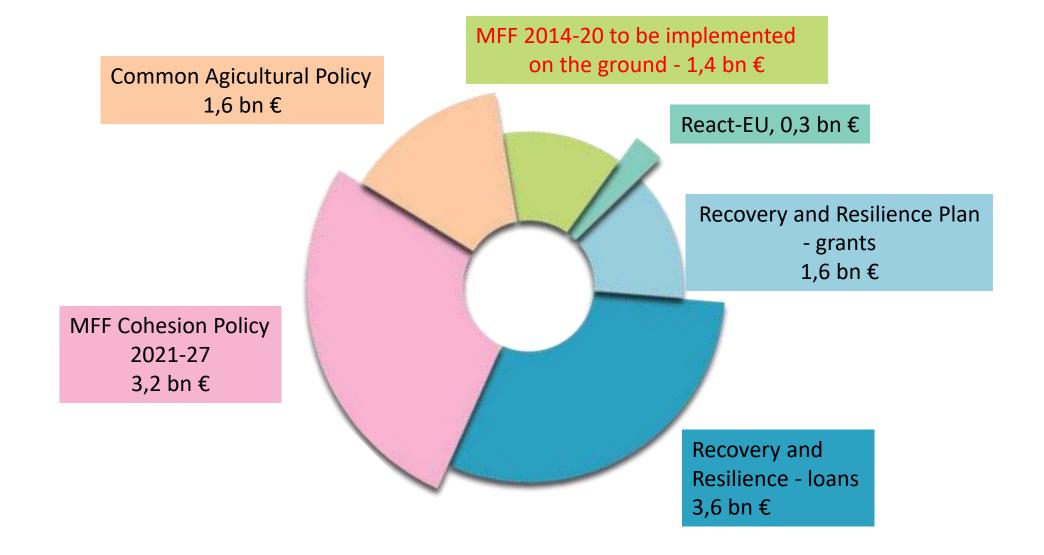
www.eu-skladi.si

Klemen Košir, Head of Funds Unit, GODC (Governement Office for Development and European Cohesion Policy)





Available Funds till 2030 cca. 6,7 bn € grants + 3,6 bn € loans



Timeline for disbursement?





Slovenian profile -

Population (2020)	2,1 million
GDP (2020, current prices)	46,3 bn EUR
GDP per capita (2020, current prices)	22.014 EUR
Coverage of imports by exports [%]	89,7 %
Population 65+ age (2020)	20,36 %
RES overall share (2019 %)	21,97 %

Source: SURS, Podatkovna baza SiStat

Preparation and implementation of the RRP

Strong leadership on the top:

Working group #NGS1 (led by the Prime Minister)

Working group #NGS2 (document preparation)

- Intensive cooperation with EC (more than 30 technical meetings)
- Strong coordination within different Ministries on reforms and investments
- Involvement of stakeholders: regions, social partners, companies etc.
- New procedures for RRP investments: reduce bureaucracy, streamline administrative procedures, enhance public-private cooperation
- **Tenders** are scheduled for the second half of 2021

CHALLENGES in SLOVENIA

- Pandemic situation and different organization of work in public sector
- Coherence with national strategic documents and operational programmes for programming period 2021-2027
- Cost of reforms
- Balance between loans and grants
- Public consultation vs time pressure, interests of different stakeholders
- The preparation of the document is administratively very demanding (long-lasting process)

CHALLANGES and key REFORMS in accordance with CSR

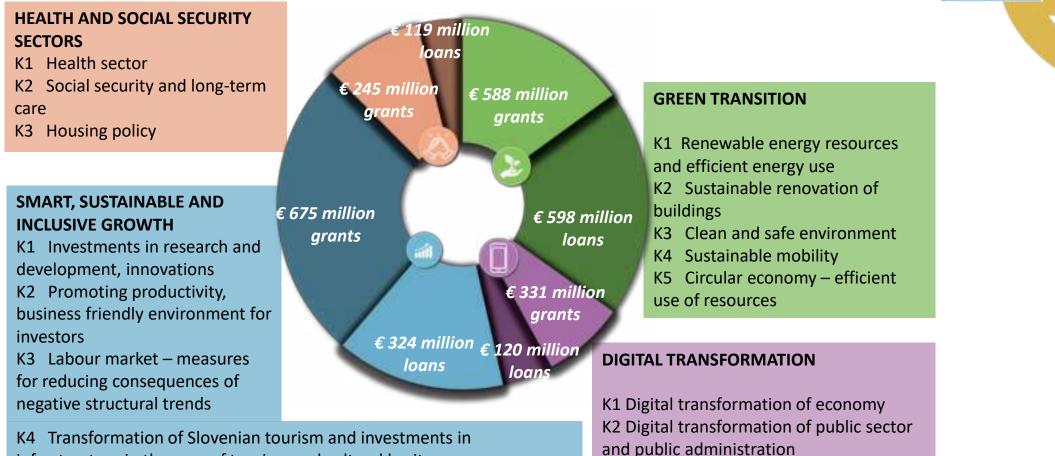
- To ensure the resilience of the health and long-term care system
- To mitigate the social and employment impact of the COVID-19 crisis
- To sustain the economy and provide liquidity and financing to businesses and households
- To improve the business environment by reducing regulatory restrictions and administrative burden
- To invest in mature (ready to go) public investment projects and promote private investment to support the economic recovery, focusing on the green and digital transition, in particular on clean and efficient production and use of energy, environmental infrastructure, sustainable transport, research and innovation, promote digital capacities in business and strengthen digital skills, e-commerce and e-health

Three key orientations – ADVANCED SLOVENIA



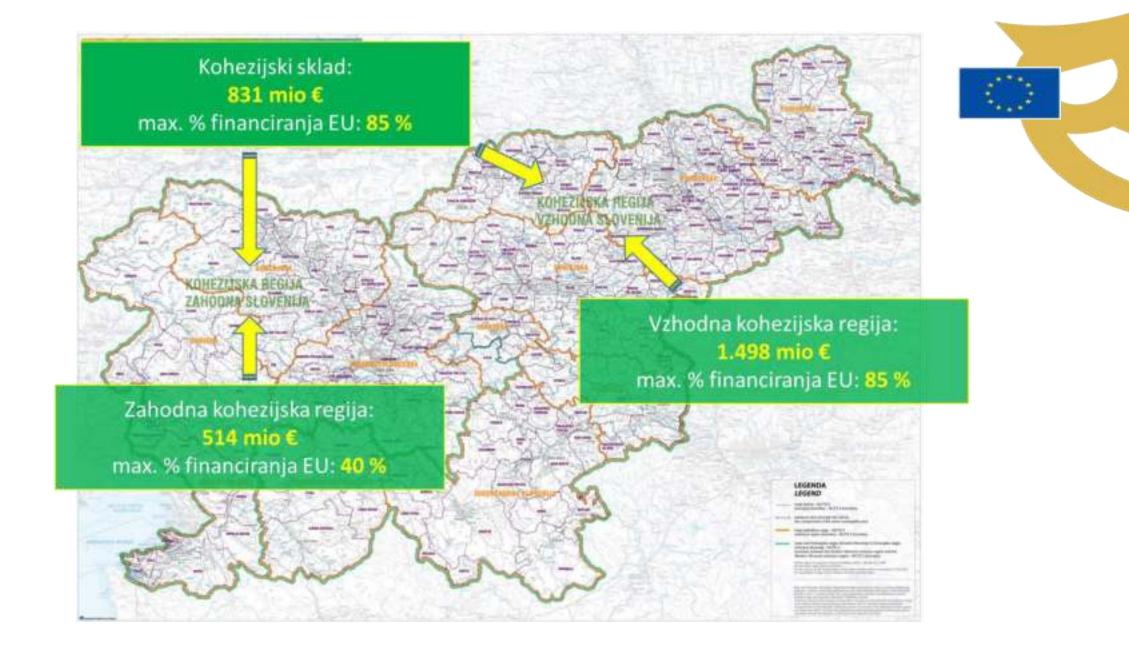
Main priorities of Slovenian RRP

- 48 % contribution towards green transition
- 26 % contribution towards the digital transition



infrastructure in the area of tourism and cultural heritage K5 Strengthening competences, especially digital competences and those that are strengthening development of knowledge and skills for jobs of the future

K6 Efficient public institutions



Cohesion Policy Programme(s) 2021 -2027 – link between EU policy objectives and SI priorities

a) Enabling Conditions

b) Partnership Agreement – 10 SI priorities: Knowledge Society, Energy efficiency, Water Management (WWTP), Railway, Competences, Long-term care, Social Inclusion, Safe food, Natural Resources, Aquaculture, Maritime and Fisheries

CP1: Smart	CP2: Green	CP3: Connected	CP4: Inclusive	
a) RDI b) Digital and Connectivity; c) Entrepreneurship - SMEs; d) Competences - S4.	 a) <u>Energy efficiency;</u> b) <u>Renewables;</u> c) <u>Smart Grids;</u> d) Climate change; e) Water management; f) Circular; g) Bio-diversitx; h) <u>Sustainable urban</u> mobility. 	a) TEN-T network; b) Sustainable smart mobility	 a) Employment; b) Labour market - competences; c) Labour market inclusion; d) Active ageing, adaptation to demographics; e) Infrastructure for employment and social innovation measures; f) life-long learning; g) Infrastructure for competences; h) Social inclusion; i) deinstitutionaluisation. 	Territorial Approaches (bottom up + multi-level)

Key features

- 1. Programmes in preparation, Partnership agreement in final consultation with the EC
- 2. Enabling conditions especially Smart Specialisation Strategy key market niches for SI development
- 3. Thematic concentration (ERDF) more than 90% of ERDF for PO 1 nad PO1 for Western Cohesion Region (more developed), Eastern Cohesion Region (less developed) more even distribution of funds through Pos;
- 4. Complementarities MFF RRF React and other sources



Thank you for your attention!







Incentives in 2021, React EU, RRP SI & cohesion policy 2021-27

Nataša Florjančič, Development Funds Service, Ministry of Economic Development and Technology





Open calls in 2021- internationalisation of SMEs

Call	Deadline for submission of applications
Incentives for strengthening brands	30. 9. 2021, 30. 9. 2022
Establishment or upgrade of e-commerce in SMEs	1. 10. 2021
Co-financing of participation of companies at international fairs abroad	14. 5. 2021, 3. 9. 2021, 5.1. 2022 and 16. 5. 2022
Promoting sustainable business strategic transformation and developing new business models in Slovenian companies to facilitate integration into global value chains	23. 4. 2021





Open calls in 2021- wood industry, tourism

Call	Deadline for submission of applications
Incentives for SMEs to develop and introduce new products in wood processing industry 4.0	15. 5. 2021, 15. 9. 2021
Incentives for the introduction of environmental and sustainability labels for tourist accommodation in catering providers	5. 5. 2021, 8. 9. 2021
Co-financing of promotion activities of tourist providers	7. 6. 2021
Co-financing of marketing activities of receptive travel agencies and tour operators	10. 6. 2021



Repayable incentives, financial instruments

- FI COVID-19 financing investments and working capital for SMEs, RDI
- FI 2014-2020 financing investments in the areas of RDI, SMEs, EE, Urban Development
- PS1-wood financing investments in the wood processing chain
- PS1-RRI3 Financing of technological development projects

REPUBLIKA SLOVENIJA

RAZVOJ IN TEHNOLOGUO

GOSPODARSKI

- PS3 patient loans Encouraging investment, business and capital consolidation of SMEs
- SI SK 2021- Seed capital Co-investment with private investors, deadline for submitting application: 31 December 2021
- SK75 2021 Seed capital Convertible loans for start-ups, application deadline: 1. 10.2021
- P1 plus 2021 Guarantees for bank loans with interest rate subsidy, application deadlines: 20.4., 5.5., 20.5., 5.6., 20.6., 5.7., 5.9., 20. 9., 5.10. and October 20, 2021
- P7C 2021 COVID-19 Mitigation Credits, application deadlines: 22 April, 20 May and 10 June 2021





Calls in preparation –React EU

Digitization and digital transformation of SMEs, 30 M EUR, May 2021 implementation of investments in digital transformation in production and operations of supported companies and increase added value of supported companies (eligible costs: tangible fixed assets, intangible fixed assets, costs of outsourcing services, labour costs, indirect costs)

Incentives for researchers in companies, 7 M EUR, June 2021 Incentives for companies to maintain researchers employed and thus to maintain their innovation potential.

Investments in tourism infrastructure, 50 M EUR, June 2021 Incentives for investments in higher quality accommodation capacities, restructuring of mountain centres into year-round mountain destinations for active tourism

Voucher system, small value incentives for SMEs, 13 M EUR, June 2021 Companies can receive up to 10.000 EUR, for increasing their digital competences, digital marketing (f.i. set up a web site, organize online store), improving cyber security by preparing the CS report and preparing digital strategy, also incentives for circular economy, protection of intellectual property, transfer of ownership, internationalisation.



Support for companies in SI RRP

• Energy efficiency – 5 M EUR grants, 60 M EUR loans

REPUBLIKA SLOVENIJA MINISTRSTVO ZA GOSPODARSKI

RAZVOJ IN TEHNOLOGUO

- Circular economy and strengthening of wood value chain 48 M EUR grants, 50 M EUR loans, 15 M EUR guarantees for bank loans with interest rate subsidy
- Digital transformation of companies 55 M EUR grants, 120 M EUR loans
- Incentives for RDI projects fostering green and digital transition 75 M EUR grants, 30 M EUR loans
- Incentives for higher value added investments with green and digital requirements and for innovative economic and business infrastructure – 157,5 M EUR grants, 120 M EUR loans, 50 M EUR equity financing
- Incentives for sustainable development of higher value added accommodation capacities in tourism and for public and common tourism infrastructure and natural attractions in tourist destinations – 80 M EUR grants, 50 M EUR loans

*Leverage is not yet included in numbers for loans, the values will be higher.



Cohesion Policy 2021-27 – main areas of support

- Fostering research and development capabilities: SDIPs, RDI projects, complementary incentives: Eureka, Horizon Instruments for SMEs
- Growth and development of SMEs:

REPUBLIKA SLOVENIJA

RAZVOJ IN TEHNOLOGIJO

- further developing business support ecosystem (general services SPOT services, support for start-ups, scale-ups, technology parks, incubators, economic and business infrastructure, tourism destination management)
- Grants for start-ups, scale-ups, product and process innovations, social innovations, branding, vouchers, social innovations
- Grants for internationalisation
- Digitization and digital transformation of SMEs and development of services of business support ecosystem (also eDIH)



Cohesion Policy 2021-27 – main areas of support

- Energy efficiency: incentives for the reduction of process emissions in industry, reuse of waste / excess heat / cold in production processes or by other customers, replacement of production technologies or parts of production processes that are energy consuming with energy and materially more optimal parts of production technologies, introduction of green technologies, etc.
- Circular economy: Introduction of sustainable or circular and digital business models, introduction of new low-carbon products, processes and technologies to strengthen value chains

RAZVOJ IN TEHNOLOGIJO





Thank you for your attention.

Questions?

Contact us: eusredstva.mgrt@gov.si



Empowering business GREEN. CREATIVE. SMART.

WEBINAR: SLOVENIA "Incentives for investments in Slovenia"

Matej Skočir, MSc, Head of Internationalisation Ministry of Economic Development and Technology



I FEEL

OVENU

GREEN. CREATIVE. SMART.

Join Slovenia's family of investors, experience country's green qualities, tap into its creative talent and discover its smart solutions to grow your business.





BUSINESS AND INVESTMENT ENVIRONMENT

TAX INCENTIVES

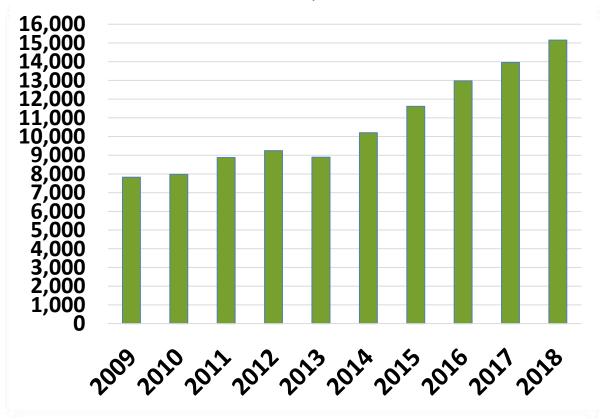
CORPORATE INCOME TAX 19 %

• Up to 100 % of the amount invested in R&D

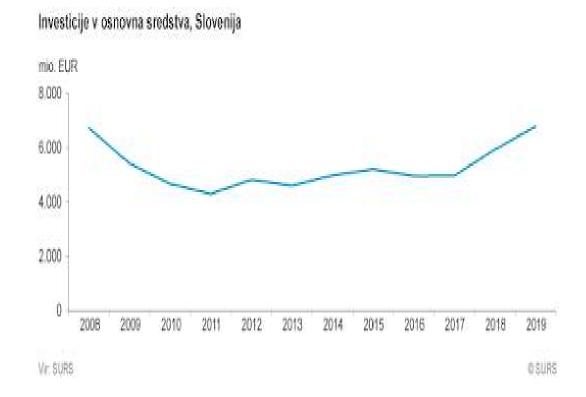
• Up to 40 % of the amount invested in equipment and intangible long-term assets

Investments in Slovenia: FDI& Investment in material/immaterial assets

FDI stock in Slovenia, in mio EUR



Investments in material/immaterial assets



FDI stock 2019: 16.1 billion EUR





FINANCIAL INCENTIVES PROGRAMMES

- Investment Promotion Act (Zakon o spodbujanju investicij)
 - Promotion of Balanced Regional Development Act

(Zakon o spodbujanju skladnega regionalnega razvoja)

- financial incentives: lower % in Western part of Slovenia (up to 10-30%), higher % in Eastern part of Slovenia (up to 25-45%)









Investment Promotion Act

Activity	Investment Value	No of New Jobs
Manufacturing	15 mio EUR (*12 mio EUR)	50 (10 highly qualified) (*preservation)
Services	3 mio EUR	40 (10 highly qualified) (*preservation)
Research & Development	3 mio EUR (*2 mio EUR)	20 (10 highly qualified) (*preservation)

*Act on Additional Measures for Mitigation of Consequences COVID-19, until 30.6.2021

-50% of the investment in machinery and equipment

-crucial criteria: added value per employee and industrial zoned land

-open procedure, transparent methodology, published in Official Gazzette

-strategic investment (Intergovernmental Task Force and expropriation)







Promotion of Balanced Regional Development Act

-article 31: Regional State Aid

-crucial criteria: regional development impact and multiplication effect

- Investment value: 2 mio EUR
- No of new jobs: 20 (depriviligied areas: preservation)

-open procedure, consents and permissions required, condition of urgency



List of some companies that received support for investments













B/S/H/



HRASTNIK 1860

Medicop*

PETPAK



INVEST SLOVENIA





-Component: Supporting Environment for Companies

-Reform Package

-Digital and Green Transition

-Increasing Productivity (Addded Value per Employee)

-Submission: April/May 2021











THANK YOU FOR YOUR ATTENTION





REPUBLIC OF SLOVENIA MINISTRY OF ECONOMIC DEVELOPMENT AND TECHNOLOGY









AussenwirtschaftsCenter Zagreb

CHANCEN DURCH EU-GELDER FÜR KROATIEN

Mag. Sonja Holocher-Ertl Österr. Wirtschaftsdelegierte

Zagreb, 21. April 2021



CHANCEN DURCH EU-GELDER: KROATIEN

10.00 – 10.05	BEGRÜSSUNG / EINFÜHRUNGSWORTE
	Mag. Sonja Holocher-Ertl, österreichische Wirtschaftsdelegierte in Kroatien
10.05 – 10.25	AKTUELLE UND ZU ERWARTENDE BAUPROJEKTE IN KROATIEN MIT SCHWERPUNKT AUF WIEDERAUFBAU UND SANIERUNG IN DEN VON ERDBEBEN BETROFFENEN REGIONEN INKL. ZAGREE
	Prof. Josip Atalic – Professor an der Zagreber Baufakultät und Leiter der freiwilligen Statiker, die nach den Erdbeben Statikprüfungen durchgeführt haben
10.25 - 10.30	Q & A
10.30 – 10.50	KURZER AUSBLICK AUF DIE KOMMENDE EU-FINANZIERUNGSPERIODE / SCHWERPUNKT: FINANZIERUNG DES WIEDERAUFBAUS NACH DEN ERDBEBEN 2020
	Filip Benjak – EU-Förderberater bei Projekt jednako razvoj d.o.o.
10.50 – 10.55	Q & A
10.55 – 11.00	ABSCHLUSSWORTE DURCH DIE WIRTSCHAFTSDELEGIERTEN AUS LAIBACH UND ZAGREB





Josip Atalić Mario Uroš Marta Šavor Novak Marija Demšić Maja Baniček Tea Žagar Damir Lazarević

...

Reconstruction projects after the earthquakes 2020 in Croatia

Last year ...







preparedness ???









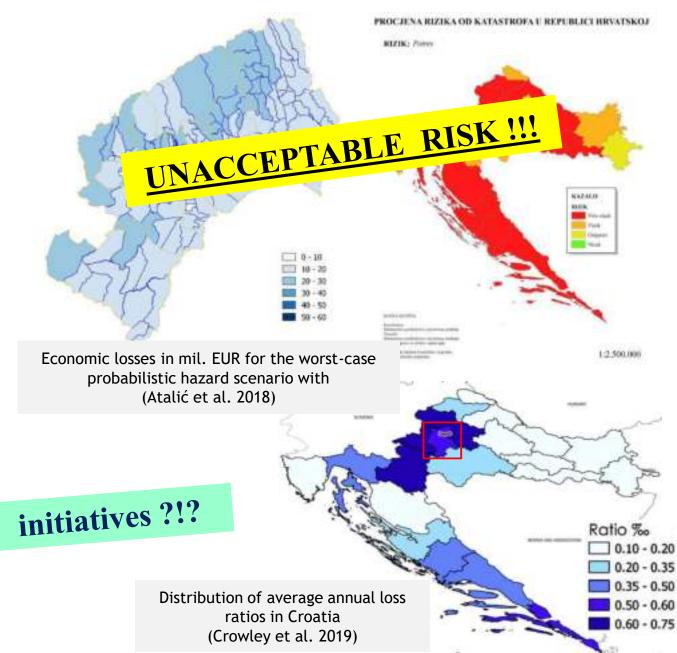






National Risk Assessment in Croatia

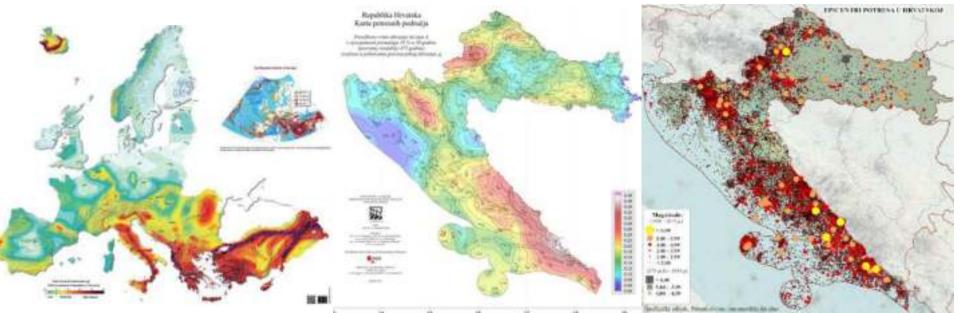
- Risk identification (2014)
 - Top three
- Seismic risk assessment (2015)
 - Scenario for <u>City of Zagreb</u> (Sanja Hak)
 - Counties
- Multi-risk assessment (2015)
 - Floods, fires, ...
- Seismic risk assessment for counties (2015)
 - Very rough ,,,
- Assessment of risk management capability
 - Risk Management Planning
 - Implementing Risk Prevention and Preparedness Measures
- Updated seismic risk assessment (2018)
 - Scenario for <u>City of Zagreb</u> (Miroslav Nastev)
 - Big step forward



In general ...

very earthquake-prone region

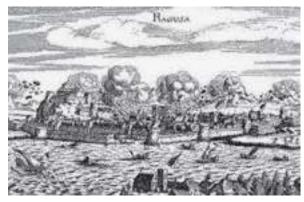
in Croatia PGA up to 0.38g (475 years return period, bedrock)



Seismic hazard map (Giardini *et al.,* 2013) Seismic hazard map (Herak *et al.,* 2011) Earthquake epicentres (<u>https://www.pmf.unizg.hr/geof/seizmo</u> <u>loska_sluzba/seizmicnost_hrvatske</u>)

- 1667. Dubrovnik M_L7,1*
- 1880. Zagreb M_L6,2*
- 1909. Pokuplje M_S5,8,
- 1942. Imotski M_L6,2,
- 1962. Makarska M_L6,1
- 1969. Banja Luka M_L6.4,
- 1963. Skopje M_L6,1,
- 1979. Crnogorsko primorje M_w7.0
- 1996. Ston M_w6,0





strong earthquakes have occurred in the past and will occur again

almost **30** % of the territory and **60** % of the population exposed to moderate/high seismic hazard **urban centers** (Zagreb, Rijeka, Split, Dubrovnik) located in seismically active zones

Zagreb: exposure and vulnerability

exposure and vulnerability

- aged building stock
 - >36% of all the habitable dwellings built before 1964 (Skopje EQ) NO CODE
 - additional 51 % before 1981 30-50% of EUROCODE LOW CODE
 - only 5% acc. to Eurocode (gradually introduced from the beginning of the millennium, while its implementation, achieved by technical regulations, became completely obligatory in 2017)
- poor maintainance as in most of the region, including massive illegal construction and undocumented reconstructions (> 100.000 applications for legalization since 2012!)
- Seismic risk awareness (key problem) !!!



Zagreb: exposure and vulnerability

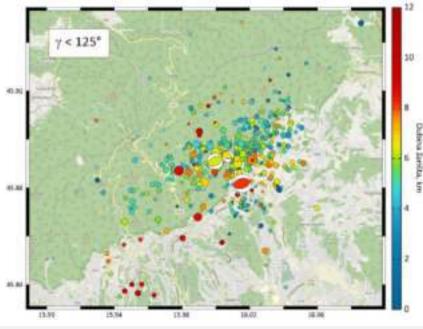
Period	before 1945	1946-1964	1965-1981	1982-1998	1998-2012	2013-today
Valid seismic code	No code	Temporary technical code for building loads	Ordinance on Temporary Technical Regulations for Construction in Seismic Areas.	Ordinance on Technical Standards for Construction of Building in Seismic Areas	transition period: acceptance of European Standards ENV (Eurocode 8)	European Standards EN (Eurocode 8)
Motivation for code modification			Skopje earthquake 1963	Montenegro earthquake 1979		
Number of DWELLINGS	app. 40 000 (app. 12%)	app. 75 000 (app. 24%)	app. 87 000 (app. 29%)	app. 70 000 (app. 22%)	40 000 (app. 12%)	Few
Building seismic resistance	level of earthquake resistance (mostly masonry buildings with wooden floors, since 1920 the introduction of BC	of earthquake resistance (RC floors: partly prefabricated or constructed in-situ, masonry buildings without confining elements,	buildings with a low level of earthquake resistance (masonry buildings with horiz. and vert. confining elements, RC residential buildings etc.)	0	buildings with a high level of (masonry, concrete, steel, w	•
	accounted for as an action,		first codes for design of seismic resistance, (seismic map of 1964)	amendments to codes for design of structures for seismic	earthquake resistance,	European standards for design of structures for earthquake resistance Seismic hazard map, 2013
SEISMIC LOAD	up to 5% of the design load according to EC8	up to 10% of the design load according to EC8	30-50% of the design load according to EC8	30-50% of the design load according to EC8	75-100% of the design load according to EC8	0 of the design load according to EC8

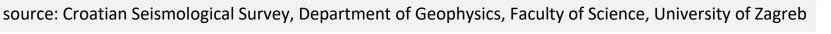
M_L5.5 ZAGREB EARTHQUAKE ON MARCH 22, 2020

- Sunday, March 22: M_L5.5 main event 06:24 am CET and M_L4.9 aftershock 07:01 am CET
- Let the epicenter **7 km north** of the historical center, at a **depth of 8 km**
- seismic activity: more than 1.400 earthquakes in 45 days postearthquake

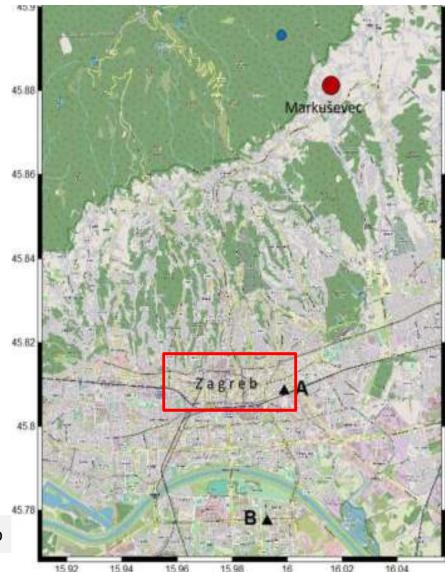
main event: $a_{max,A} = 0,22 \text{ g}$ $a_{max,B} = 0,20 \text{ g}$

a_{max,B} = 0,20 g estimated soil type C





http://www.pmf.unizg.hr/geof/seizmoloska_sluzba/o_zagrebackom_potresu_2020

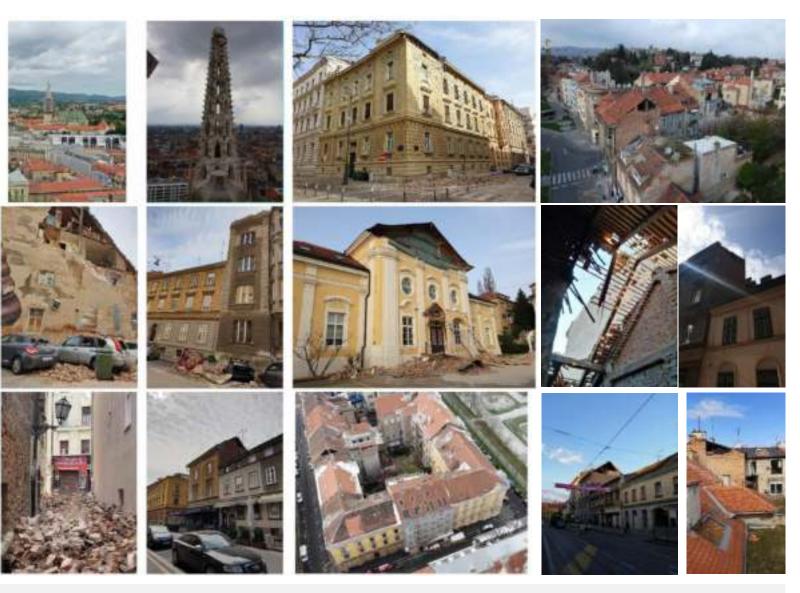


COVID-19 lockdown

a day before earthquake (luck)

- one fatality, 26 injured
- psychological <u>shock and panic</u> among citizens (> 20.000 left their homes)
- widespread damage (especially to invaluable historic center)

financial losses far exceeding expectations for an event of this size which was much smaller than anticipated for the location



photos from the historic center (source: HCPI, 2020; AIR-RMLD d.o.o.; Šavor Novak et al. 2020.)

Zagreb Cathedral and Archbishop's Palace



Basilica of the Sacred Heart of Jesus









source: http://www.zgnadbiskupija.hr/detalj no-izvjesce-oostecenjimazagrebacke-katedrale F. Foretić HCPI, 2020

source: I. Ćurić, HCPI, 2020

Clinic for Women's Diseases and Obstetrics in Petrova Street













University





160 years old building (350 years of University)









URM buildings

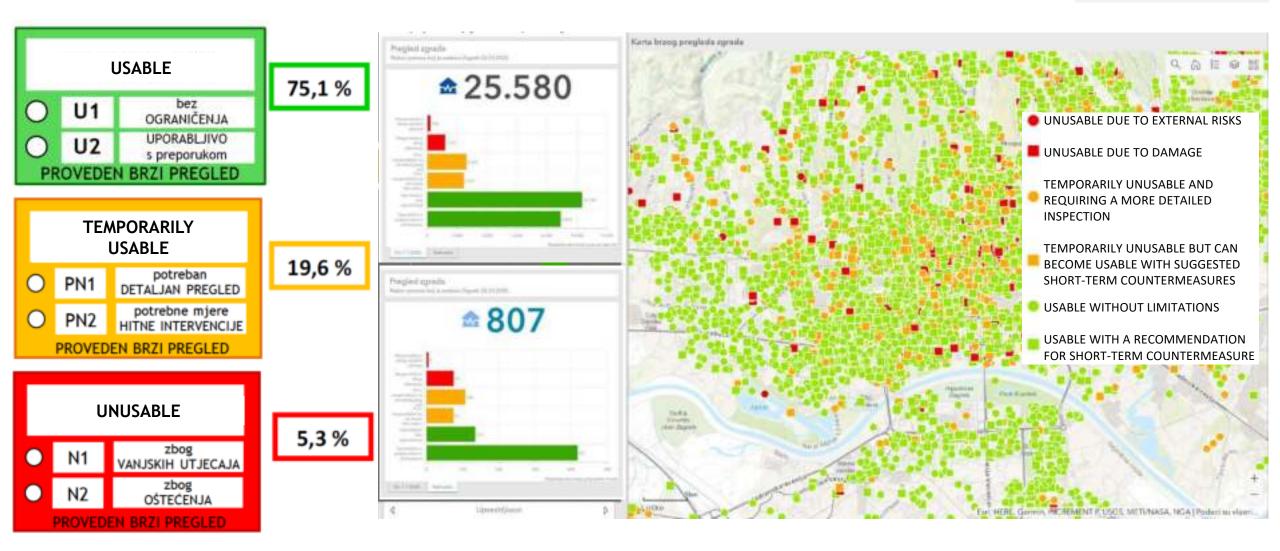
source: M. Todorić, HCPI, 2020, Šavor et al., 2020

DAMAGE: roofs, chimneys and gable walls



POST-EARTHQUAKE DAMAGE ASSESSMENT OF BUILDINGS

www.hcpi.hr



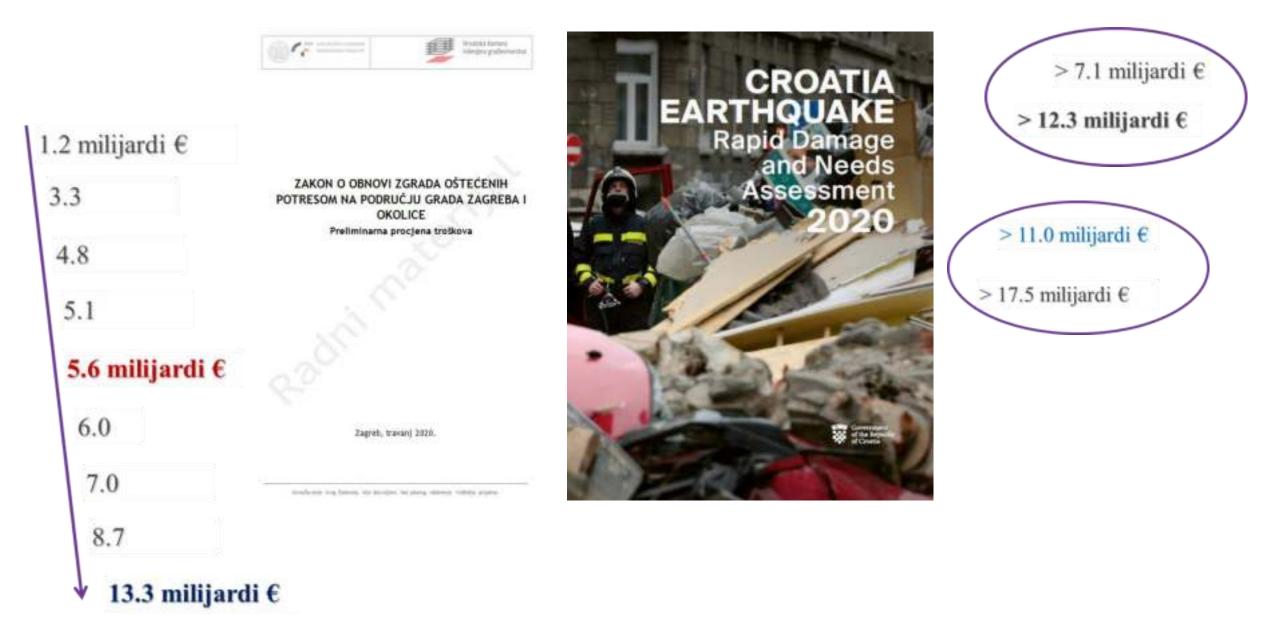
"damaged m²"

		broj	BRP
		5175	10.139.644
stambene		1422	2.538.914
zgrade		295	553.656
	Suma	6891	13.232.214
		broj	BRP
		7448	3.338.217
obiteljske kuće		2052	964.689
		608	295.015
	Suma	10109	<u>4.597.922</u>
		broj	BRP
		96	326.600
ostale javne		29	113.217
zgrade		4	11.460
	Suma	129	451.276

		broj	BRP
		220	825.553
obrazovne		97	379.626
ustanove		8	37.825
	Suma	325	<u>1.243.004</u>
		broj	BRP
		111	848.340
'kulturne'' ustanove		62	313.730
		15	50.513
	Suma	189	<u>1.212.583</u>
		broj	BRP
		99	311.185
zdravstvene ustanove		16	53.335
		2	8.455
	Suma	117	372.975

	broj	BRP
	13050	15.478.354
projekcija za	3663	4.310.176
sve zgrade	930	948.469
	17643	20.736.999

RDNA



Other activities

TABLE 1 Damage and losses by sector (in million EUR)

	Damage	Losses	Total
Housing	6,881	364	7,245
Health	826	61	887
Education	1,071	9	1,080

FIGURE 1 Surface area of buildings affected by the earthquake by sector (in m²)

Business

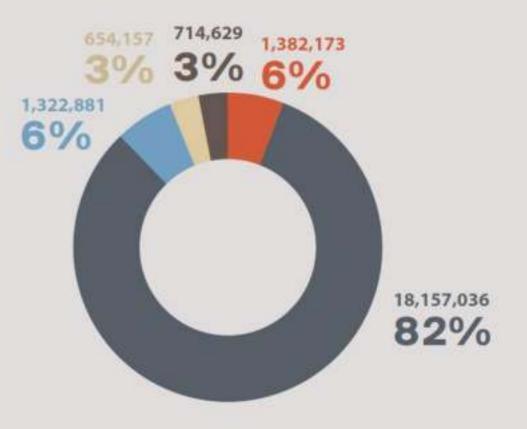
Housing

Education Health

Cultural Heritage

TABLE 2

Damage and losses by county (in million EUR)



"damaged m²" residential buildings:

Stambene zgrade	BRP (m ²)			
	Crvene	Žute	Zelene	UKUPNO
	561.841,3	2.901.322,7	14.457.022,7	17.920.186,7

"damaged m²" family houses (< 4 stories):

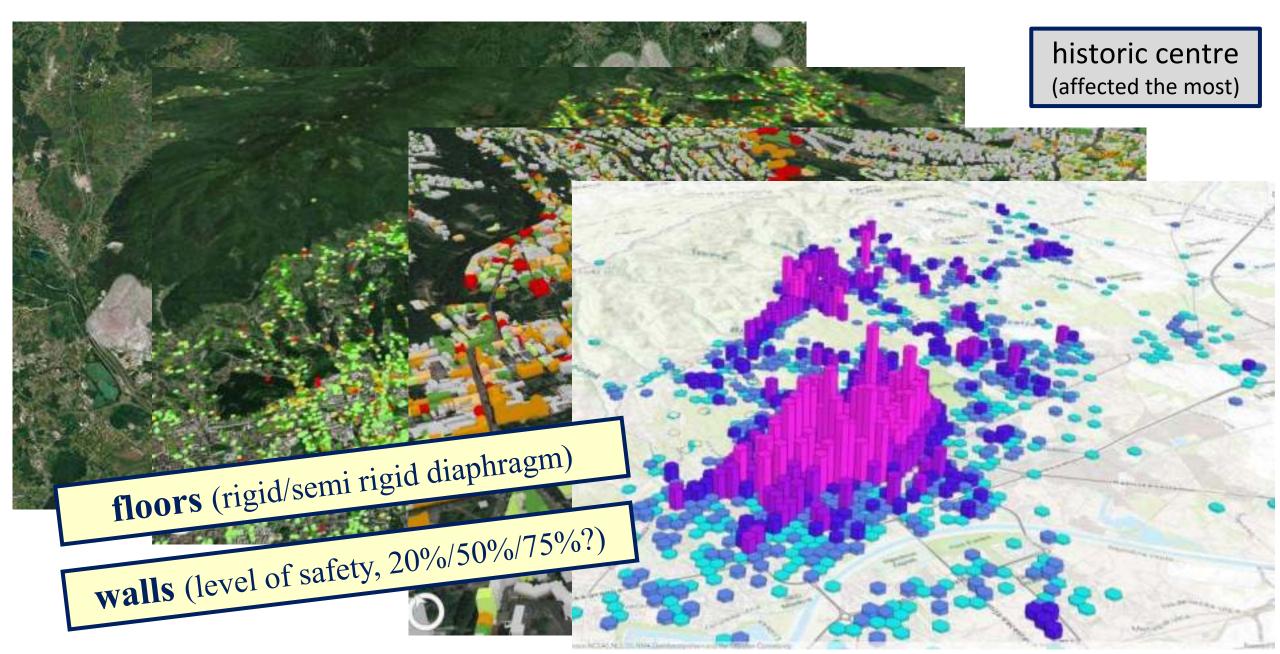
UKUPNO	277.824,0	1.023.257,3	3.502.769,3	4.803.850,7
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historical city center:

Donji Grad, Gornji Grad – Medveščak, Maksimir i Podsljeme

	BRP			
	Crvene	Žute	Zelene	
UKUPNO	404.490,7	2.265.322,7	5.705.292,0	8.375.105,3
	72,0%	78,1%	39,5%	

POST-EARTHQUAKE DAMAGE ASSESSMENT OF BUILDINGS



Other activities

URGENT PROGRAM OF POST-EARTHQUAKE RECONSTRUCTION: manual

UPPO

6347 ____

Urgenthi program potresne obnove

people

www.hcpi.hr/UPPO/ Krowne konstrukzije Dimniaci Tevenski zidovi Nestrukturaini EGB Zidovi Plate Pastupare expert group of 23 leodgodivi zahvati "live" version

(continuous updating)





webinars / educations / ...



31.3.2020.: Mapei webinar: Konstrukcijska ojačanja

31.3.2020.: Baldinistudio webinar: Seizmička analiza zgrada

6.5.2020. Webinar: Sanacije u potresu oštećenih dimnjaka primjenom suvremenih rješenja - proizvođača Skoberne

13.5.2020. Webinar: Sanacija karakterističnih oštećenja građevina nastalih djelovanjem potresa, primjenom suvremenih rješenja proizvođača SIKA

19.5.2020. Webinar: Provedba i tumačenje uputstva za sanaciju dimnjaka, ugradnju novih bojlera te ostalih oštećenja namijenjeno vlasnicima zgrada i

20.5.2020.: Mapei sustavi i riešenja za sanaciju nakon potresa - webinar

3.6.2020. Panel rasprava o Prijedlogu Zakona o obnovi zgrada oštećenih

TEMNICKLASPERTS

PROG.M

zoom

17,000

dia Materi

Contractor (19) in a link of Party and

22.i

10.00 - 11.10

Laws, regulations, standards,



MINISTARSTVO GRADITELJSTVA I PROSTORNOGA UREĐENJA

Na temelja tlarika 17. stavka 2. Zakona o gradnji («Narodne novine», broj 755/13, 20/17, 39/19 i 125/200 ministar gradistijstva i protortoga steferita donosi

TEHNICKI PROPIS

O IZMJENI I DOPUNAMA TEHNIČKOG PROPISA ZA GRADEVINSKE KONSTRUKCIJE

Classic I

U Iriničkom propus za gradevinske konstrukcje (+Ngrodov novice-, broj 17/17) u Čanike 4. ita podstavik 2. dodaje se podstavik 3. koji glast «Prilog III. – Razine obnove potrnom otketnich konstrukcija zgrada u odravu na zukastiku otpornost i stabilizost.»

Clank L.

Nadov poglavlja V. najenja se i glase -V. KERONSTRUKCIJA, DINNOVA GRADEVINSKIH KONSTRUKCIJA ZGRADA -NAKON POTRENA I URLANIJANIH GRADEVINSKE KONSTRUKCIJE-

Clausk 3.

Itta chawka 24. dedago uv chawak 24.a i nazdov izriad igega koji glaste

«Ofmonu graderinskih konstrukcija zgrada nakon potesa

Clarab 54.4

(1) Obnova potresom otterienik gradevinskih konstrukcija ngrada obobraću popravak i posačanja konstrukcijskih išla nekonstrukcijskih chranistik i vazimom obnove koje je prinjemna ngosmoti područja, odučenja zgrada i potrenom stelka zgrada, a vorano za potremu odučljimut zgrade i njetim namjova.

(2) Razine olivove gradovinskih kominalnja zgrade nakos potvou za odrudova područja prepizane sa u Prálogu III. stroga Prepisa.

(3) Observen gradernake konstnikcje zgrade u skladu s Dribgeni III. svega Progna za sunje se nepovoljne utjezati na leposteranje ostalih semeljedu oshtjeva u odnomu na razimu na kojoj sa bili isporjeni prje potresa.

(4) Obiova se provodi na razimi potresne oportrosti prima Priloge III, ovoga Propisa ili na razimi potresne otportrosti koja je fida propisana u tremelju kada je zgrada izgradirna, u time da je mjenidanao stroti lefteriji potresne otportrosti.»

Classifi 4.

Ministat

Predreg Streemer, v.t.

Otez Popie stupa na maga prenga izana od data objete u «Novolstat nerimatna». Klasna 360 00/20.0408 Uchoni 557 04-26-27 Zagosh. 26. Tiprija 2020. Na temelju članka 89. Ustava Republika Tirvatske, donositu

ODLUKU

O PROGLAŠENJU ZAKONA O OBNOVI ZGRADA OŠTEĆENIH POTRESOM NA PODRUĆJU GRADA ZAGREBA, KRAPINSKO-ZAGORSKE ŽUPANIJE I ZAGREBAČKE ŽUPANIJE

Proglalavam Zakon o obnovi zgrada otlećenih potresom na području Grada Zagreba, Krapinsko zagorske županije i grebačke županije, koji je Hrvatski sabor donio na sjednici 11. rujna 2020.

Klasa: 011-01/20-01/08 Urbroj: 71-06-01/1-20-2 Zagreb. 15. rujna 2020.

1448

Predsjednik Republike Urvatske Zoran Milanović, v. t.

ZAKON

O OBNOVI ZGRADA OŠTEĆENIH POTRESOM NA PODRUČIU GRADA ZAGREBA, KRAPINSKO-ZAGORSKE ŽUPANIJE I ZAGREBAČKE ŽUPANIJE



NN 119/2020 (30.10.2020.), Odłuka o donošenju Prvog programa mjera obnove zgrada oštećenih potresom na području Grada Zagreba, Krapinsko-zagorske županije i Zagrebačke županije

VLADA REPUBLIKE HRVATSKE

2305

Na temelju članka 11. staska 3. Zakona o obnost zgrada ošlečenih potresom na području Grada Zagreba, Krapinskozagotske zapanije i Zagrebačke napanije («Narodne novine«, bosj 102/20). Vlada Republike Hrvatske je na sjednici održanoj 29. listopada 2020. dostjela

ODLUKU

O DONOŠENJU PRVOG PROGRAMA MJERA OBNOVE ZGRADA OŠTEČENIH POTRESOM NA PODRUČJU GRADA ZAGREBA, KRAPINSKO-ZAGORSKE ŽUPANIJE I ZAGREBAČKE ŽUPANIJE

1

Donosi se Prvi program mjera obnove zgrada ošučenih potresom na podračju Grada Zagoba, Krapinsko-zagorske inpanije i Zagrebačke županije.

Prvi program iz stavka 1. ose točko sastavni je dio ove Odlake.

11

Zaduhije se Ministanstvo prostornoga umdenja, graditeljutva i državne imovine da o donolenju ove Odlake uvijesti noslelje provodbe Prvog programa mjera iz točke 1. stavka 1. ove Odlake.

Ova Odleka stupo na stagu prvoga data od data objave u »Narodritn nosinama».

Klasa: 022-03/20-04/294 Urbroj: 50301-05/20-20-2 Zagreb, 29-Instepada 2020

1915

Predsjednik mr. sc. Andrej Plenković, v. r.



December 29th M_L6.2



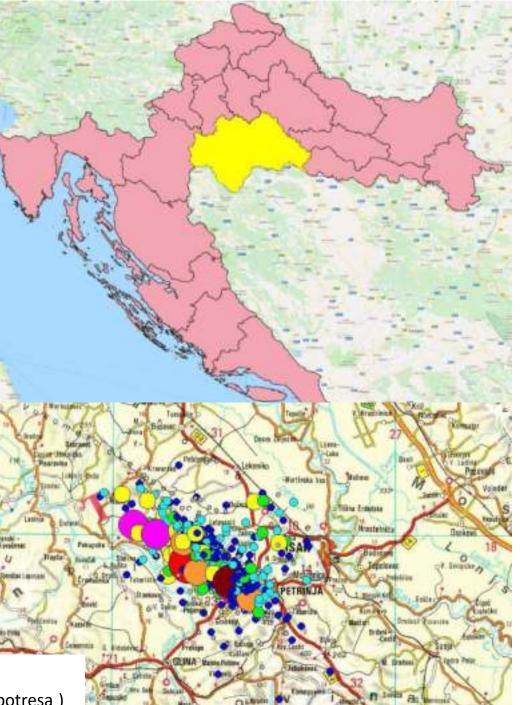


photos: D. Lazarević, J. Atalić, M. Baniček, HCPI database

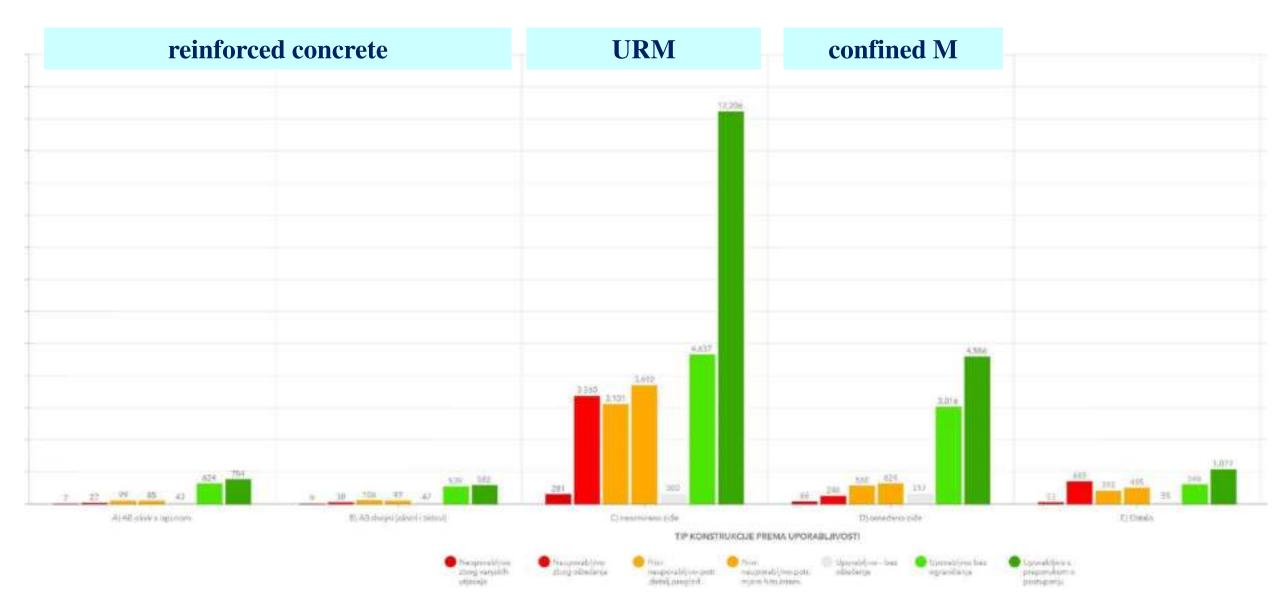
Report on recent event near Petrinja

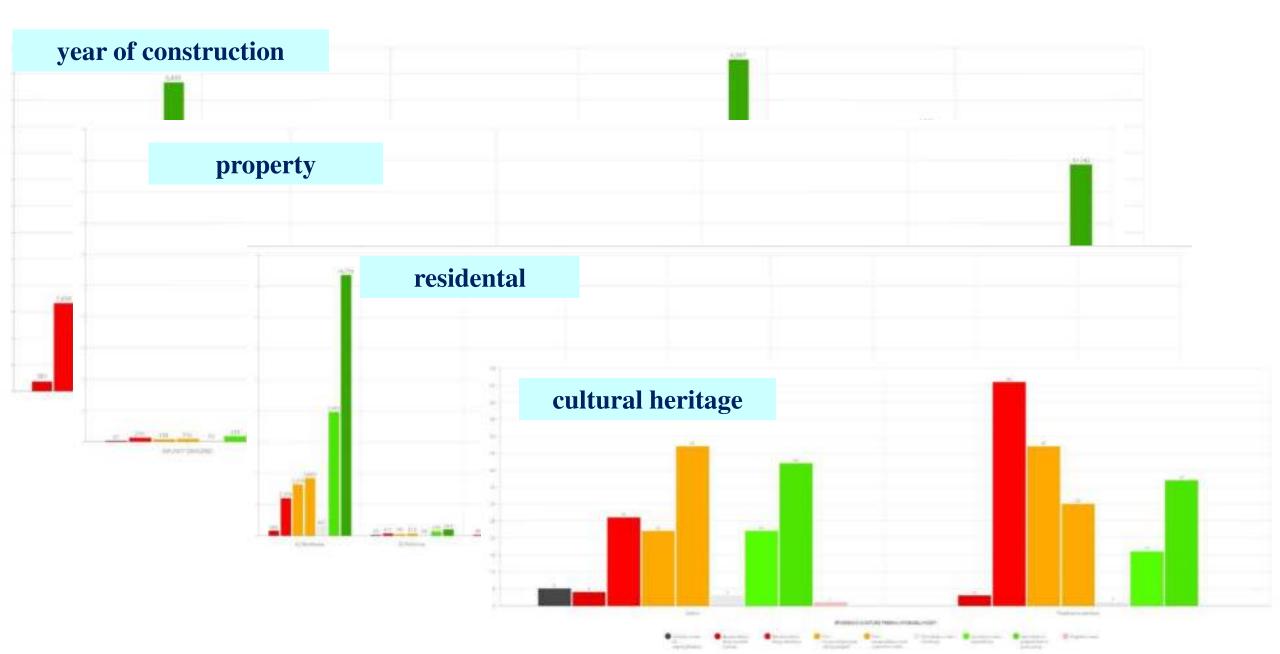
- the largest earthquake in Croatia since the introduction of modern seismic instrumentation
- December 29th M_L6.2 (M_w6.4) event preceded by December 28th M_L5.0 magnitude event
- the epicenters less than 50 km SE of Zagreb, at a depth of app. 10 km
- affected region: very poor (economically, socially and demographically); never truly recovered from devastation during Croatian war for independence
- 7 fatalities, widespread damage

earthquakes located from 28/12/2020 to 06/01/2021 (http://www.pmf.unizg.hr/geof/seizmoloska_sluzba/potresi_kod_petrinje/automatska_lokacija_potresa)

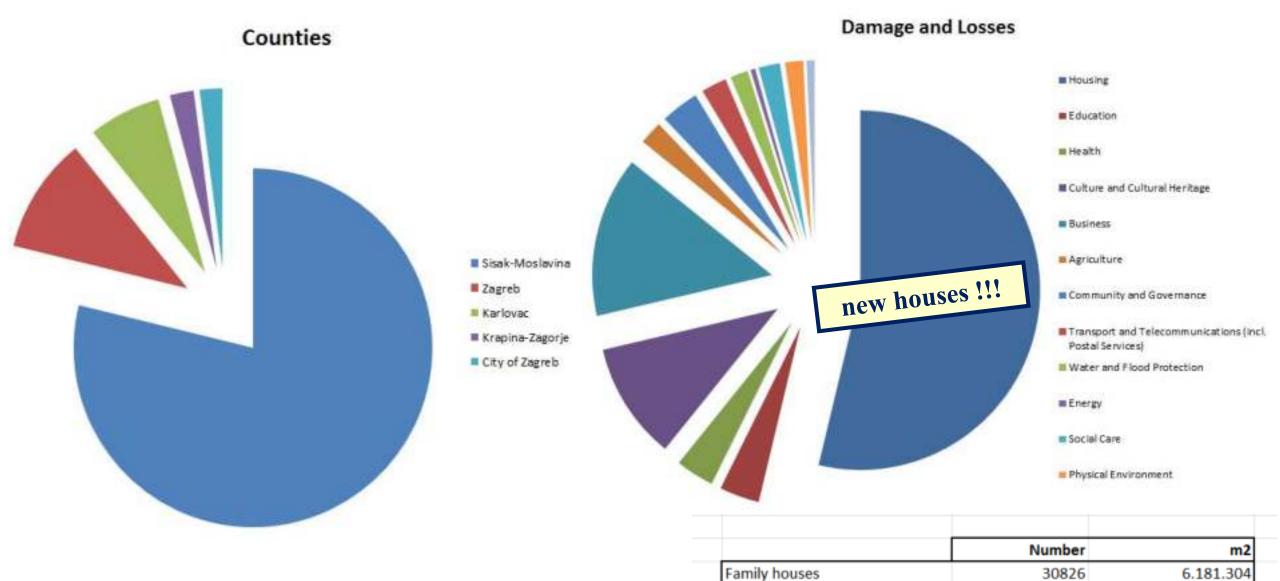








Petrinja earthquake (PDNA report)



Residental buildings

Total

1.715.739

7.897.043

945

31771

Conclusion

Past	Present	Future
"sins" of the past	preliminary analyzes	reconstruction process
poor databases	solidarity fund	seismic certificate
seismic risk awareness	emergency measures	building maintenance
education	education	strategy
•••	•••	education
		•••

... forever ...





Q&A





Projekt jednako razvoj d.o.o Project Equals Development



EU BUDGET 2021 – 2027.



NEW COHESION POLICY



EU BUDGET 2021 – 2027.

IN RELATION WITH "NDS CROATIA 2030"





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EU BUDGET 2021 – 2027.

"NDS CROATIA 2030" / STRATEGIC GOALS

SUSTAINABLE ECONOMY AND SOCIETY

- Competitive and innovative economy
- Eduacted and employed people
- Efficient judiciary, public administration and management of state property
- Global recognition and strengthening of Croatia's international position and role

STRENGTHENING CRISIS RESILIENCE

- Healthy, active and quality life
- Demographic revitalization and better position of family
- Security for stable development

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"NDS CROATIA 2030" / STRATEGIC GOALS

GREEN AND DIGITAL TRANSITION

- Ecological and energy transition for climate neutrality
- Food self-sufficiency and bioeconomy development
- Sustainable mobility
- Digital transition of society and economy

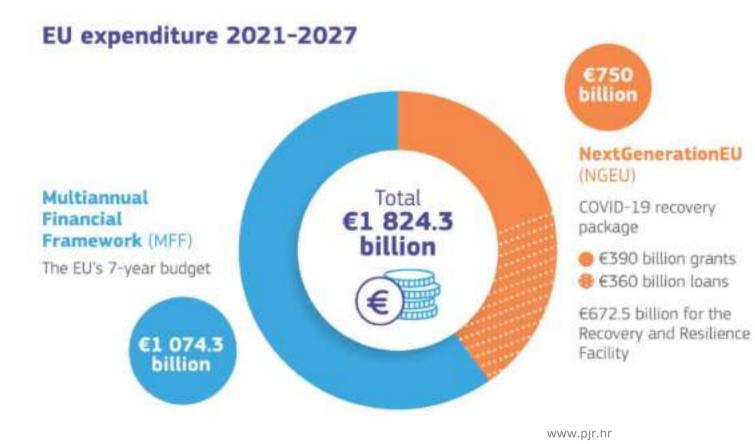
BALANCED REGIONAL DEVELOPMENT

- Development of assisted areas and areas with developmental peculiarities
- Strengthening regional competitiveness

P] R



MULTIANNUAL FINANCIAL FRAMEWORK 2021 - 2027 & NEXTGEN EU





MFF 2021 - 2027 – 14.48 billion EUR for CROATIA

MFF 2021-2027 total allocations per heading

	MFF	NEXT GENERATION EU	TOTAL
1. Single Market, Innovation and Digital	132.8	10.6	143.4
2. Cohesion, Resilience and Values	377.8	721.9	1 099.7
3. Natural Resources and Environment	356.4	17.5	373.9
4. Migration and Border Management	22.7	-	22.7
5. Security and Defence	13.2	-	13.2
6. Neighbourhood and the World	98.4	(# ¹	98.4
7. European Public Administration	73.1	-	73.1
TOTAL MFF	1 074.3	750.0	1 824.3

All amounts in EUH billion. Source: European Commission.



www.pjr.hr



NEXT GENERATON EU – 11.026 billion EUR for CROATIA

NextGenerationEU

Grants	390.0
of which provisioning for guarantees	5.6
Loans	360.0
TOTAL	750.0

	Funding under NGEU	Funding under MFF	Total funding
Recovery and Resilience Facility	672.5	0.8	673.3
Of which GRANTS	312.5	-	313.3
Of which LOANS	360.0	-	360.0
REACT-EU	47.5	100	47.5
Rural development	7.5	77.9	85.4
Just Transition Fund	10.0	7.5	17.5
InvestEU	5.6	3.8	9.4
rescEU	1.9	1.1	3.0
Horizon Europe	5.0	79.9	84.9

All amounts in EUR billion in commitments, 2018 prices. Source: European Commission.

EARTHQUAKES IN CROATIA



KEY NUMBERS

- 3 major earthquakes (March and December 2020)
- 5 counties affected (City of Zagreb, Zagrebačka County, Krapinsko-zagorska County, Sisačkomoslavačka County and Karlovačka County)
- Damage estimations:
 - March earthquage **11.6 billion EUR**
 - December earthquage **5.5 billion EUR**





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NATIONAL LEGISLATION AND GUIDELINES

- Ministry of Physical Planning, Construction and State Assets & The Reconstruction Fund
- Act on the reconstruction of buildings damaged by the earthquake in the City of Zagreb, Zagrebačka County, Krapinsko-zagorska County, Sisačko-moslavačka County and Karlovačka County area – Reconstruction Act
- Measures for the reconstruction of earthquake-damaged buildings in the City of Zagreb, Zagrebačka County, Krapinsko-zagorska County, Sisačko-moslavačka County and Karlovačka County area
- Guidelines for the reconstruction of earthquake-damaged buildings

FUNDING SOURCES (current plan)

- 683.7 million EUR from the EU SOLIDARITY FUND
- 580 million EUR from the RECOVERY AND RESILIENCE FACILITY
- 111 million EUR from the MFF
- 184 million EUR WORLD BANK LOAN
- 1 billion EUR EIB LOAN (planned)
- 900 million EUR CEB LOAN (planned)
- 300 million EUR EBRD LOAN (planned)

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RENOVATION AND REBUILDING OPTIONS

- 1. Renovation of an existing earthquake-damaged building (apartment buildings, residential and commercial buildings, office buildings, family houses)
- 2. Removal of a building (apartment, residential-business, business) and an existing family house that has lost its mechanical resistance and / or stability to the extent that it has collapsed or its restoration is not possible
- 3. Construction of replacement family houses instead of earthquake-destroyed existing family houses
- 4. Financial aid for for temporary protection of earthquake-damaged buildings, structural reconstruction of earthquake-damaged existing buildings, the costs of preparing the main project for the reconstruction of the earthquake-damaged existing building, the construction of which began before the entry into force of the Reconstruction Act



Return to proper working condition of infrastructure in:

- Energy sector (2.5 million EUR)
- Water supply and wastewater management (1.22 million EUR)
- Transportation sector (109.59 million EUR)
- Health care sector (140.95 million EUR)
- Education sector (285 million EUR)
- Temporaray accomodation (21 million EUR)
- Providing preventive infrastructure and protection of Cultural heritage (112.5 million EUR)
- Cleaning up disaster-stricken areas, including natural areas (0,9 million EUR)

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Return to proper working condition of infrastructure in:

- Energy sector (2.5 million EUR)
- Water supply and wastewater management (1.22 million EUR) 31 December 2021
- Transportation sector (109.59 million EUR) **31 December 2021**
- Health care sector (140.95 million EUR) **31 December 2021**
- Education sector (285 million EUR) 30 November 2021 & 31 December 2021
- Temporaray accomodation (21 million EUR) **31 December 2021**
- Providing preventive infrastructure and protection of Cultural heritage (112.5 million EUR) closed
- Cleaning up disaster-stricken areas, including natural areas (0,9 million EUR)





 Removal and construction of replacement housing units owned by the Republic of Croatia in earthquake-affected areas (42.9 million EUR) *31 May 2021*



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https://strukturnifondovi.hr/en/natjecaji/

https://efondovi.mrrfeu.hr/MISCMS/



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www.pjr.hr

CONSTRUCTION SECTOR OPPORTUNITIES 2021 - 2027

NEXT GENERATION EU OPPORTUNITIES

RECOVERY AND RESILIENCE FACILITY (NPRR) – 9.9 billion EUR

- Energy efficiency projects
- Investments in production infrastructure
- Construction of infrastructure for energy and heat management
- Waste management infrastructure
- Water management infrastructure
- Reconstruction of railway infrastructure
- Investments in tourism infrastructure
- Construction and rebuilding of preschool institutions, primary and secondary schools

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CONSTRUCTION SECTOR OPPORTUNITIES 2021 - 2027



BASED ON NDS CROATIA 2030

- Energy efficiency projects
- Investments in production infrastructure
- Investments in R&D infrastructure
- Investments in education infrastructure (schools, RCCs)
- Modernization and construction of health infrastructure
- Investments in basic social infrastucture
- Construction of infrastructure for energy and heat management
- Waste management infrastructure
- Water management infrastructure



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CONSTRUCTION SECTOR OPPORTUNITIES 2021 - 2027



BASED ON NDS CROATIA 2030

- Energy renovation of buildings
- Reconstruction and modernization of railway infrastructure
- Reconstruction and modernization of ports and waterways
- Reconstruction and modernization of airports



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SUMMARY



- 17,1 billion EUR of earthquake damages (ASAP)
- NEXTGEN EU opportunities (key period: 2021. 2023.) <u>11.026 billion EUR</u>
- MFF opportunities (2021. 2027.) <u>14.48 billion EUR</u>
- Insufficient capacity of the national construction sector
- Insufficient number of design engeneers and related professions
- Experts on green and circular economy



THANK YOU For your attention!



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E-mail adress: info@pjr.hr





Q&A



Vielen Dank!

Für Fragen und Unterstützung stehen wir gerne zur Verfügung!

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