



# REPORT (DELIVERABLE D.T2.3.1)

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**Awareness raising events for fostering  
transnational cooperation in disaster  
risk reduction**

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**12 2021**



## 1. Introduction

**Description:** *The online event took place on 23.12.2021. and lasted from 11 a.m. till 3 p.m.*

**Target stakeholders:**

*Stakeholders who participated in the event (a total of 20) came from different sectors (public, private, civil). There were four representatives of local public authorities (Municipality of Dugopolje, City of Split, City of Kaštela, City of Omiš), two representatives of sectoral agencies (Local Development Agencies), three small enterprises, one NGO group promoting cultural heritage.*

## 2. CH management issues at local level:

*One of the main issues of conservation and management of cultural heritage at local level is general lack of information in the decision making for cultural heritage protection. For instance, there is a strategy created at the local level concerning risk due to extreme events: "Civil Protection Action Plan municipality of Dugopolje". Although the plan has detailed state analysis, a description of responsibilities and measures in case of risk or danger, cultural assets are not mentioned specifically in the context of protection. Despite the fact that many of these measures are certainly being implemented and helping to combat extreme events, there are still a number of challenges that hinder the building of the resilience of cultural heritage sites. Representatives of the public sector pointed out that the problem so far has been the lack of data on cultural assets, i.e. the lack of data hindered the correct risk assessment and made it hard to determine adequate measures. Representatives also agreed that new knowledge gained through the STRENCH methodology could help improve the local system of cultural heritage protection. The following problem highlighted was lack of coordination between stakeholders involved in the cultural heritage protection and civil protection in general. In the local disaster management system, volunteer firefighter associations play important role but they are not included in the cultural heritage protection planning and their work is usually limited to general damage mitigation. There is also a lack of awareness of the local population about the value of local cultural heritage. Since the hamlet of Kolići is uninhabited, the local population does not pay too much attention to the place itself, the surrounding area and vegetation are left to "themselves" and therefore are additionally vulnerable to external influences.*



### 3. Strategies/measures


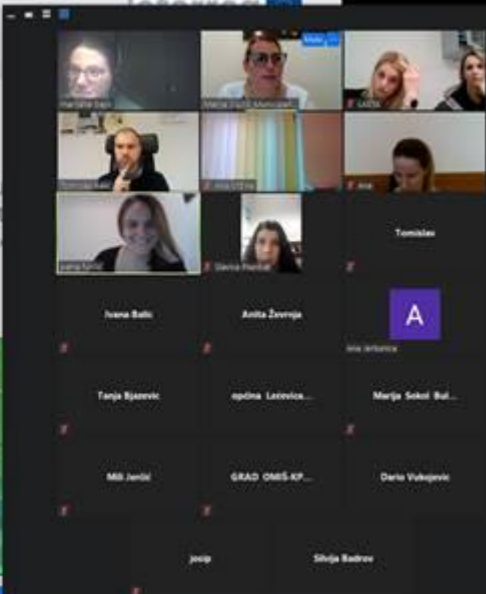
*Possible steps, as mentioned above, could use new knowledge about cultural heritage vulnerability and possible risks (which could affect the site due to climate change in the future) to create new, soft resilience building measures in existing strategy at the local level, concerning the protection of cultural heritage. These measures could include empowerment of the capacity of the public and private sectors in mitigating the impact of climate change and natural risks on cultural heritage. Workshops and educations could also be conducted with the aim of raising awareness and knowledge about the process of cultural heritage protection through the education of the local population, but also professional staff. Mapping of the pilot site and surrounding area would also help in raising awareness about possible weaknesses of the area. Adaptation measures to preserve site from erosion might include changes in land use (especially abandoned agricultural land) and planting trees to stabilize slopes since the region is susceptible to landslides, a natural hazard whose occurrence could be affected by climate change. There is also a need to strengthen monitoring and maintenance of cultural heritage and possibly include cultural heritage protection training exercises.*

### 4. Upstreaming at national policy levels

*Since no representative of the national level participated in the event, it was more difficult to discuss the possibilities of implementing the presented local measures at the national level. Yet, participants agreed that measures outlined at local level could be used for other parts of region other than the one investigated, especially where similar hazards and heritage construction types can be found. Also, some types of mentioned adaptation measures can be generalized into regional/national policy, for example, strengthening monitoring and maintenance of the sites. Still, the main problem is that adaptation strategy at the governmental level concerning cultural heritage and climate change doesn't exist. For that reason, example of the plot and local measures in this case could primarily be used for rising awareness of methodologies incorporating climate change adaptation, they could bring more information and guidelines on adaptation of cultural heritage to climate change, respectively contribute to protecting the values, integrity, and authenticity of cultural heritage on regional and national level. Also it is important to notice that there would be some difficulties in generalizing all measures from local to regional and national level due to the diversity of typologies of cultural heritage, the different geographical locations of heritage assets and the context in which they are located, and the climatic conditions to which they are exposed.*



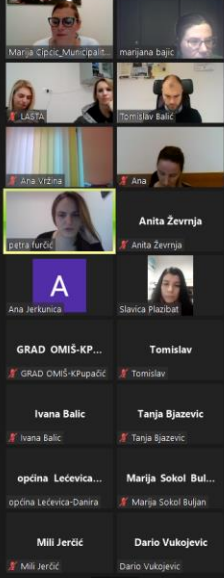
Parametar CDD odnosi se na maksimalni broj u...  
pokazuju blagi porast maksimalnog broja uzast...  
budućnosti sa sličnim vrijednostima u dalekoj budu...

### PROJEKTI PARTNERI



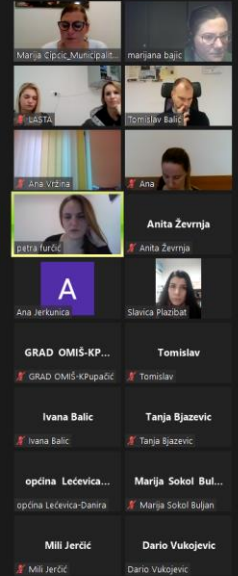
- 1. Institut za atmosferske znanosti i klimu, Nacionalno vijeće za istraživanja, Italija
- 2. Institut za teorijsku i primijenjenu mehaniku, Češka akademija znanosti
- 3. Sveučilište za trajno obrazovanje - Dunavsko sveučilište Krems
- 4. Zaklada Villa Ghigi
- 5. SISTEMA GmbH
- 6. Jezero Balaton - Agencija za koordinaciju razvoja
- 7. Institut za urbanizam Republike Slovenije
- 8. Okrug Forchheim
- 9. Općina Dugopolje






**Interreg**   
 CENTRAL EUROPE European Union  
European Regional  
Development Fund  
**STRENCH**  
**STRENgthening Resilience of  
Cultural Heritage at Risk**  
**01.03.2020 – 28.02.2022**  
 € EFRR sufinanciranje  
1.064.956,62 €  
 Ukupna vrijednost  
1.301.712,50 €  
**9 projektnih partnera iz 7 zemalja Središnje Europe**

FONDATIONE VIT I A CIVICIS  
 RATION FORWARD 3



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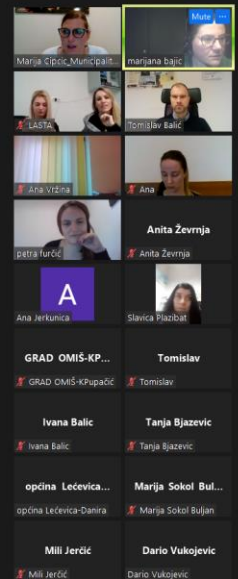


**UVOD** 

**STRENCH - jačanje otpornosti kulturne baštine na rizike u promjenjivom okruženju putem proaktivne transnacionalne suradnje**


- ojačati kapacitete javnog i privatnog sektora pri ublažavanju utjecaja klimatskih promjena i prirodnih rizika na kulturnu baštinu;
- usmjeren na razvoj prilagođenih IKT rješenja u svrhu istraživanja učinaka klimatskih promjena na kulturnu baštinu te u svrhu definiranja strategije za zaštitu kulturne baštine od posljedica klimatskih promjena i drugih prirodnih rizika;
- podizanje razine svijesti i znanja o procesu zaštite kulturne baštine;
- uključivanje građana i lokalnih zajednica pri donošenju odluka o zaštiti kulturne baštine, ali i da će oговорiti na specifične potrebe lokalnih dionika pri donošenju mjera za očuvanje kulturne baštine uslijed rizika uzrokovanih klimatskim promjenama.

RATION FORWARD 2



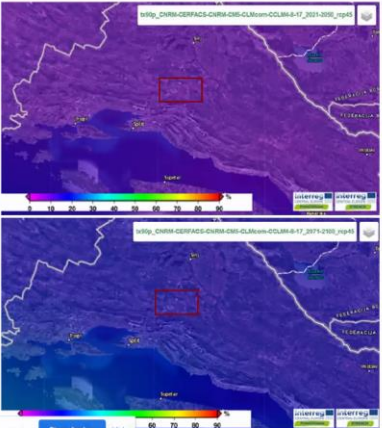


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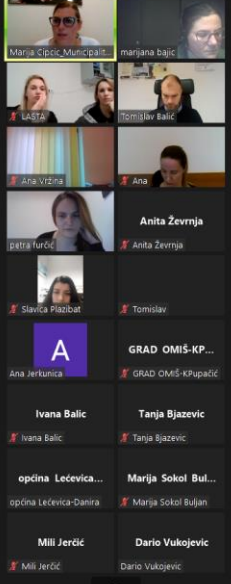
**Interreg**   
 CENTRAL EUROPE **STRENCH**

GIS alati omogućili su uvid u scenarije klimatskih promjena u budućnosti kroz dva tridesetogodišnja razdoblja (2021-2050 i 2071-2100).

Parametar TX90p odnosi se na postotak ekstremno toplih dana. Karte pokazuju povećanje broja ekstremno toplih dana u sljedećih 30 godina za 10%, a projekcija daleke budućnosti također ukazuje na daljnji rast, do 20 %.




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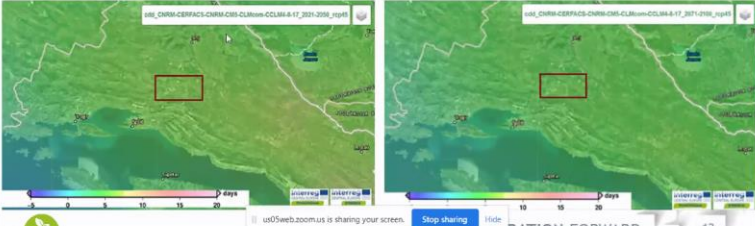


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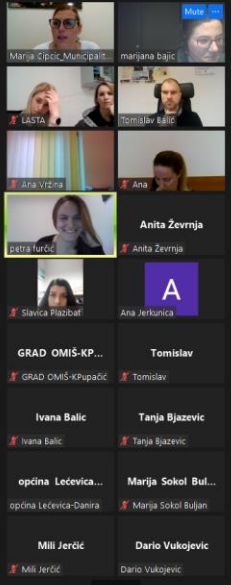
Mute Stop Video Participants 20 Chat Share Screen Record Reactions Apps You are viewing petra furčič's screen. View Options

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Parametar CDD odnosi se na maksimalni broj uzastopnih sušnih dana. Karte pokazuju blagi porast maksimalnog broja uzastopnih sušnih dana u bliskoj budućnosti sa sličnim vrijednostima u dalekoj budućnosti.



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The screenshot shows a Zoom meeting interface. On the left, a presentation slide is displayed with the following content:

**interreg CENTRAL EUROPE STRENCH**

Najveće prirodne rizike na području Općine Dugopolje i zaseoka Količi predstavljaju:

- **Opasnost od požara** - izaziva pucanje kamena na visokim temperaturama, premazivanje podloge čađom, promjenu boje kod kamena koji sadrži željezo te mineraloške i teksturne promjene koje mogu dovesti do naknadnih procesa poput poroznosti, kemijske promjene unutar matrice, pucanje i razbijanje građevnog kamena u materijalna niske poroznosti
- **Padinski procesi** - mogu uzrokovati i određene probleme u strukturi poput pomicanja i premještanja određenih elemenata, narušavanja snage potpornih zidova uz moguće ispiranje žbuke sa zidova, podizanje podova i drugih cjelina te smanjenje stabilnosti cijele građevine.
- **Poplave** - mogu uzrokovati eroziju kojom dolazi do gubitka materijala, uzrokuju biološki rast koji podrazumijeva rast plijesni na zidovima građevine

Below the text are three images: a fire at night, a rock formation, and a flooded area. At the bottom of the slide, it says "TAKING COOPERATION FORWARD" and "22".

On the right side of the Zoom window, a grid of participants is visible:

- Manja Cijec Municipit...
- marjana bajic
- LASTA
- Tomislav Bajic
- Ana Vrhina
- Ana
- ANITA ŽEVRNJA
- Anita Ževrnja
- Slavica Plazibat
- Ana Jerkunica
- GRAD OMIŠ-KP...
- Tomislav
- GRAD OMIŠ-Krupačić
- Tomislav
- Ivana Balic
- Tanja Bježević
- Ivana Balic
- Tanja Bježević
- općina Lečevica-Danira
- Marja Sokol Buljan
- općina Lečevica-Danira
- Marja Sokol Buljan
- Mili Jerčić
- Dario Vukojević
- Mili Jerčić
- Dario Vukojević