

Urban adaptation and resilience

Good practice examples of the city of Križevci

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City of Križevci

About Križevci



Koprivnica - Križevci County, area of 263,7 square kilometres and 60 settlements



19.052 inhabitants, half the population in the urban environment



Excellent geo-traffic position, half an hour to the capital Zagreb



Favorable climate, abundance of water and fertile soil

Energy image of the city



38.000 tCO₂ per year according to SECAP analysis



54% emission CO₂



46% emission CO₂



25%



75%

What is our main goal?

Use locally available energy sources and enable that the community benefits from it.



Energy and climate policies



Covenant of Mayors
for Climate & Energy



ENERGCITIES

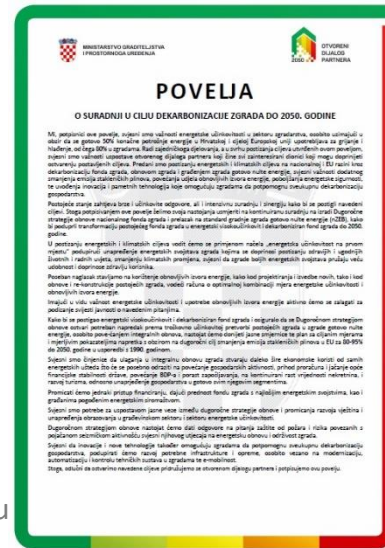


Climate Alliance



PLAN RAZVOJA
GRADA KRIŽEVACA
ZA RAZDOBLJE OD 2021. DO 2030. GODINE

Grad Križevci
Križevci, prosinac 2021.



SECAP adaptation measures – in general



most of them are highly connected with mitigation measures



measures are more general because many individual measures can be put under the same "cap"



long-term measures (in decades)



require a lot of money without reasonable payback time



the city can not influence directly on their implementation (citizens, other stakeholders, private companies, etc.)



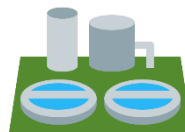
in constant search for alternative funding sources

SECAP KRIŽEVCI ADAPTATION MEASURES – implementation in the last two years

- Afforestation of neglected and degraded forest areas



- Construction of wastewater treatment system



- Construction and maintenance of embankments



- Construction of water supply network



- Conversion a part of land water supply along watercourses into retentions























- Designing and implementing programs to inform and educate the public about the benefits of climate-resistant buildings



- Development of analysis and application plan for the integrated concept of stormwater drainage



SECAP KRIŽEVCI ADAPTATION MEASURES – implementation in the last two years

- Development of irrigation systems  
- Educating citizens on waste reduction and economic incentives   
- Educating entrepreneurs on how to save energy   
- Energy renovation of building sector   
- Implementation of concrete measures to build green and blue infrastructure at critical points and monitor performance   
- Information and education of agricultural land users   
- Integration of the concept of green infrastructure into spatial and strategic planning processes   

Some individual mitigation and adaptation measures



Use of biomass as a source of thermal energy

Energy renovations of public buildings

Investigation of geothermal heating potential

Charging station for electric vehicles

Electric and hybrid city vehicles

Križevci's sunroofs on public buildings

Energy advisors for energy poor households

Co-financing of solar power plants on family houses

LED public lighting

KLIK - Križevci Climate Innovation Laboratory

Magda's garden

Cadastre of greenery and urban equipment

Integration of adaptation measures and concept of green infrastructure in urban planning

Sudjeluj! Križevci

Križevci - Tvoje prirodno okruženje



Križevci Laboratory of Innovation for Climate and Energy (KLIK)

- cooperative founded by the citizens

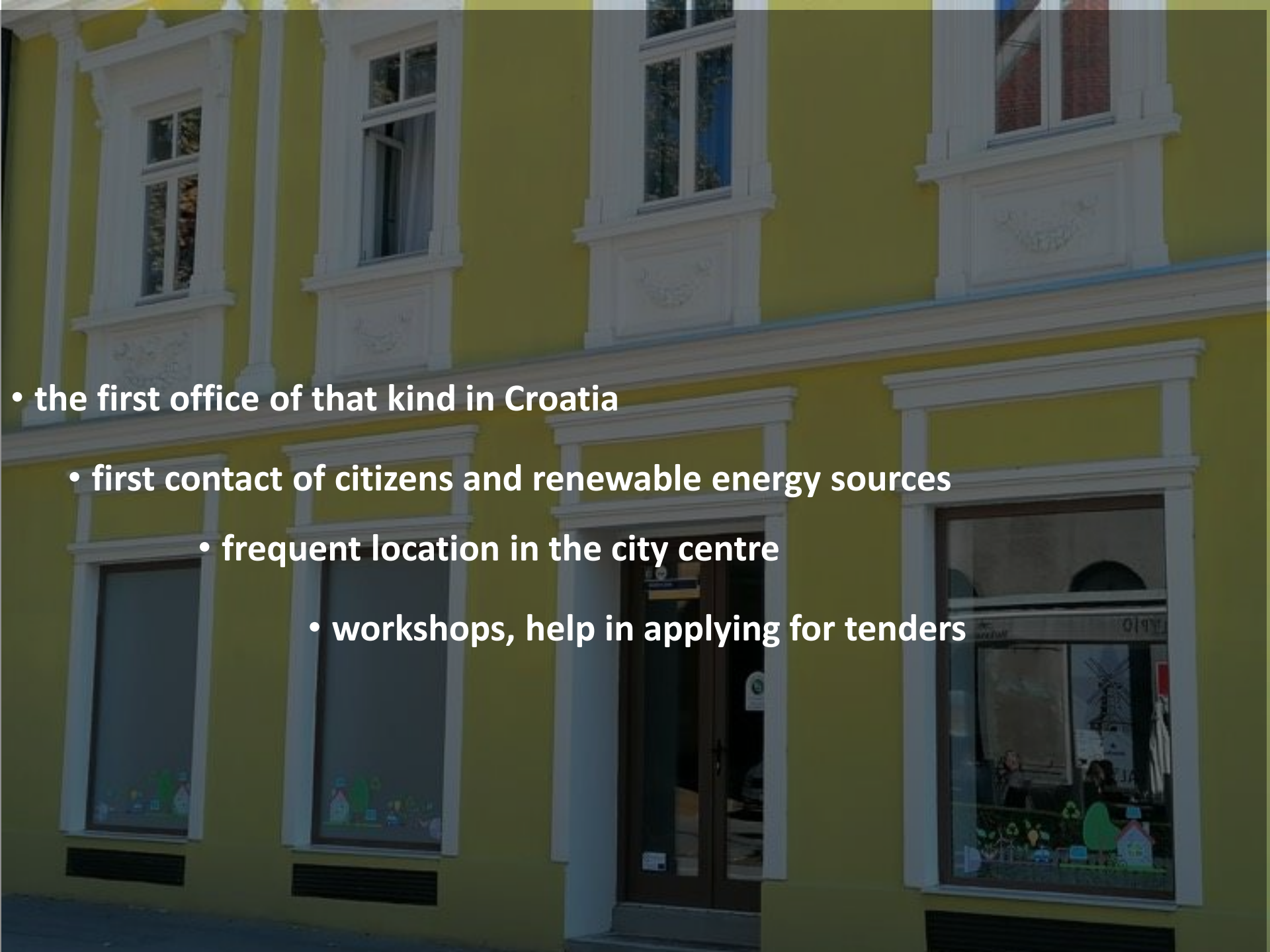
KLIK'S GOALS:

- to become a catalyst for change in the energy transition
- bringing together a community of citizens ready for change towards creating a climate resilient community, the best possible city to live, work and visit
- to collaborate with local authorities and partners to meet common goals for the benefit of the community.

KLIK'S MISSION:

- to create a sustainable and resilient local community on the path of energy transition and climate resilience



- 
- the first office of that kind in Croatia
 - first contact of citizens and renewable energy sources
 - frequent location in the city centre
 - workshops, help in applying for tenders

MAGDA's GARDEN

located in the proximity of the city center

6000 m² on a city owned property

37 gardening lots - each approx 50 m²

in addition to lots – there is an educational space, a community space, demonstration-experimental garden beds, a grove of plant communities, a meadow for rest, socializing and playing, and an urban mini-orchard

the City provides the necessary equipment, tools and water for watering



Ulica Franje Tuđmana

R60
R30

Šumarak
biljnih
zadruga

Pokazno-
eksperimentalni vrt
(povišene grede)

Prostor
zajednice

Edukativni
prostor

1-19 REZERVIRANO
ZA POSTOJEĆE
KORISNIKE

Magdin vrt ljekovitog,
aromatičnog i medicinskog bilja

Livada samoniklog bilja
(odmor, druženje, igra)

Urbani
mini-voćnjak

MAGDA'S GARDEN



Cadaastre of greenery and urban equipment

WHAT WE DID?

- greenery (trees, bushes, hedges, lawns) located on the city's land
- urban equipment (playgrounds, benches, bins, bicycle racks, repair points and stations, advertising poles)
- buildings or devices of public purpose (water fountains, public toilets, EV charging stations, monument/sculpture, bus stops, settlement plan board, public water well etc.)

WHY WE DID IT?

- better insight in areas with/without greenery – taking actions like planting trees etc.
- better control over public property and faster interventions in case of malfunction



Integration of adaptation measures and concept of green infrastructure in urban planning

HOW WE DO IT?

- taking adaptation measures from SECAP and integrating them into amended spatial planning documentation
- inclusion of green infrastructure as an element in the organization of space

GOAL:

- more dynamic and systematic directing of investments in adaptation to climate change and in low-carbon development by proposing ambitious, but also realistic measures to mitigate and adapt to the effects of climate change, as well as the mechanisms of their application
- reducing heat island effects in the city



Sudjeluj! Križevci

WHAT IT IS?

- online platform intended for citizens

GOAL

- to increase the participation of citizens in making policies and determining the future of the City
- to enable a systematic and transparent collection of citizens' opinions and proposals and to include them in direct decision-making

The screenshot shows the website's header with the logo and navigation menu. The main content area displays a debate titled 'GRAFITI' with a question about graffiti on a monument. The interface includes a search bar, a 'Start a debate' button, and a 'TRENDING' section.

Language: English

Sudjeluj! KRIŽEVCI

Sign in Register

Debates Voting Collaborative legislation Help

Search debates...

DEBATES Help with debates

Start a debate

Advanced search

TRENDING

most active highest rated newest

GRAFITI

2022-06-24 · 2 comments · Građanin

Kako je neki dan bilo rasprava oko grafita na spomeniku Tuđmana, moje pitanje je: što je sa grafitom koji zjapi već više od godinu dana na pravoslavnoj crkvi i što je sa grafitima kod konkatedrale sv. Križa po zidovima kod stepeništa? Zašto se to ne sanira nego se štiti i

0% 0%

No votes



Križevci

Tvoje prirodno okruženje.



Mjesto koje će rasti i u kojem je lijepo odrasti

Tvoje prirodno okruženje



Križevci