



Details

Personal

Attachments

Supplemental Forms



MY APPLICATION

ADD ANOTHER
SUBMISSION



SUBMISSION FORM

EDIT

LEAD PARTICIPANT

First Name

Vesna

Last Name

Manojlovic

Employer/Affiliation

UnCiv

Physical Address

Address Line 1 * **Address Line 2**

VB 51

City *

Amsterdam

State/Region

ZIP/Postal Code

Country *

Netherlands

Email

becha@xs4all.nl

Phone Number

US/Canada Outside US

+31621258191

ext

Example: +61 3 1234-5678

Application Type

Individual Application

Are you at least 18 years of age?

Yes

Are you an IEEE member?

No

Type of team: How would you categorize yourself or your team?

- Individual

Competition Track (Choose the track you will compete in for this submission)

- Concept Only (your idea has not yet been undertaken or demonstrated/proven)

Solution Title

Getting Lika Connected : Povezano Polje

ABSTRACT

The concept or project solution description. Please include the main motivation for the solution, and describe the business/social/community need, technological challenge or market opportunity (if appropriate). You may also include a description of and/or comparison with the nearest current state-of-the-art technical/business/social solution. You should describe how your proposed solution is novel/innovative and how it has the potential to overcome the limitations of existing solutions. Maximum 3500 characters (about 500 words).

Web site:

<https://wiki.techinc.nl/User:Becha/Lika/ProjekatPovezanoPolje>

Idealistic goals of my project are: rejuvenation & reconnection of the remote rural communities, while following "Environmental Justice in Tech" principles (Limitations / Reparations / Solidarity).

Practical goal: bringing internet connectivity to Gubavcevo Polje (a village in Croatia); optionally: as a "community mesh network"

This will be done in cooperation with family, local community, emigrants, international communities of hackers, activists, artists and friendly experts. Mid-term, this would enable "remote working" for temporary visitors, and thus invigorating local community interactions; long-term: it would attract more people to MOVE IN & create new (intentional) communities! And short-term, it would be making organisation of "camps" & "gatherings" easier

* Additional goals:

- practicing creation of "mesh networks" : rural networks, community networks, decentralised networks...
- => WHILE focusing on LOW TECH & SLOW TECH (offering MINIMUM VIABLE SERVICES)
- enabling "remote working" for temporary visitors, and thus invigorating local community interactions
- attracting more people to MOVE IN & create new (intentional) communities!
- making organisation of "camps" & "gatherings" easier

* More detailed social goals

- keeping (online) connections / communication between locals & emigrant population / families
- strengthening local community by sharing a common infrastructure
- making sure that the project & service is NOT-FOR-PROFIT / non-commercial
- rejuvenation of the local communities - by attracting youth back to the area (or at least attracting grandchildren to visit!)
- making local community more connected with the region, country, Europe & world
- making local produce available to the remote "markets"

* Stretch Goals

- adding other equipment to the "sites", with sensors & measuring (Klimerko, Atlas... LIGHTNING DETECTORS?)
- > making this ^^^ data available to locals
- monitoring & alerting & STOPPING deforestation, water abuses, illegal hunting, forest fires.
- producing & sharing local content & media

Problem Statements

The village of Gubavcevo Polje, and the municipality of Gracac, has been suffering a lot in the last 30 years (and the more distant past has not been easy, either): Ravaged by war (1991-1995), De-population, Isolation, Climate & Environmental Crisis, Economic Crisis, Political crisis...

This resulted in displaced people, disconnected families, and destroyed nature.

- Ravaged by war (1991-1995)
- De-population
- Isolation
- Climate & Environmental & Economic Crisis

CHALLENGES

Area Challenges: - hilly; - poor; - hard to access

Technical Challenges: - getting "backhaul"; - securing electricity supply; - negotiating with land owners; - getting funding

Principal Challenges

- creating a structure for shared ownership; revitalising a culture of commons governance (as used for water infrastructure)
- using ONLY renewable energy / fossil-fuels free
- using only repurposed / recycled equipment

I am a Community Builder for Network Operators Groups / RIPE, so I have good contacts with engineers worldwide (also with IETF/GAIA); and my family comes from Lika - so I am working with local communities on the ground.

My biography:

https://wiki.techinc.nl/File:Vesna_CV_Bibliography_May_2024.pdf

<https://becha.unciv.nl>

<https://labs.ripe.net/Members/becha>

Maturity level of the solution (Please indicate the maturity level of the proposed solution. Check all that apply.)

- Conceptual only

PRIMARY CATEGORY

Which category does your submission fall under primarily?

Community Enablement (CE): your solution enhances community demand and adoption of internet service provision.

- Example may include innovations in: digital literacy/skills training; accessibility; content relevancy; language or other barriers to use

Does your submission also apply to other categories? Check all that apply.

- Business Models (BM): your solution uses a new business model/approach, which may make internet use more affordable or enhance reach of service
- Technology Applications (TA): your solution is focused on a novel or innovatively new use of technology

TECHNICAL INNOVATION

If your solution is technical in nature, please answer the following:

- Has components of both

SPECTRUM

If spectrum is involved, is it

- No spectrum involved

INFRASTRUCTURE

Are you

- Creating new infrastructure

BUSINESS INNOVATION

If your solution involves an innovation in business models, specifically those that impact affordability, please check any of the following boxes that apply:

- Common pool solutions/cost sharing

COMMUNITY INNOVATION

If your innovation involves a Community Enablement solution (and hence is more likely to impact the level of demand for internet use) please check any of the following boxes that apply:

- Digital Skills Building
- Other
- Accessibility

- Language solutions
- Creating/enabling relevant content (e.g. agriculture, education, health, entertainment, etc.)`

Please specify other

Rural Repopulation; Digital Nomadism; Disaster Recovery

SCOPE

Please select the scope or intended scope of your proposed solution. (check multiple boxes if more than one applies)

- Other
- Rural

GEOGRAPHIC AREA

Please indicate what geographic area you are (or intend to) focus on.

Croatia / Lika (area) / Gubavcevo Polje (village)

How did you learn about the IEEE CTU Challenge?

- Non-IEEE email list

