



Пронађи крпеља

Започни



НАУЧНИ ИНСТИТУТ
ЗА ВЕТЕРИНАРСТВО
НОВИ САД



by Scientific Veterinary Institute "Novi Sad"

TICK-BORNE DISEASES

Impact of Climate Change

Spread of Tick-Borne Diseases .

Public Health Concern

Diseases such as Lyme disease are becoming a significant concern for public health, both on a global scale and in Serbia.

Tick-Borne Diseases in Serbia

The gap in Disease Surveillance





Surveillance in Serbia

Since 2018, there has been NO DATA available regarding Lyme disease.

Tick Borne-disease info

Many people rely on social media for tick-related information



**Tick
Detect**

TICKDETECT

TickDetect is an easy-to-use WEB app that helps people stay informed and safe from ticks.

With just a photo and location, users can help creation of real-time maps showing where ticks are most active.

It's an easy way to be informed and to learn about tick species, the diseases they can spread, and what to do if you've been bitten.

Contribution to raising awareness and decreasing panic about tick bites.





TICKDETECT

AND CITIZEN ENGAGEMENT

Empowering individuals

Everyday people help track ticks.

Easy participation

Just upload the photo of the tick by the app- it already has GPS coordinates.

Direct impact

Every report matters!

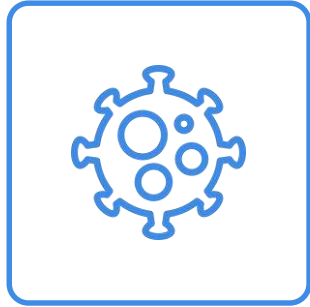
Community Collaboration

TickDetect promotes a community-driven approach to tracking and managing TBDs by involving citizens in data collection.

A scenic landscape photograph of two hikers on a mountain trail at sunset. The hikers are in the foreground, seen from behind, wearing backpacks and using trekking poles. They are looking out over a vast valley with rolling green hills, dense forests, and distant mountain ranges. The sun is low on the horizon, creating a warm, golden glow and long shadows across the landscape. The sky is a mix of soft pinks and oranges.

WHY TICKDETECT?

TICK MONITORING MATTERS



Ticks can transmit serious diseases like Lyme disease

Ticks can carry and spread dangerous illnesses, such as Lyme disease, which can cause exhausting symptoms if left untreated.



Monitoring tick populations helps researchers understand disease trends

By closely tracking tick populations and the diseases they carry, researchers can better identify emerging trends and take proactive measures to protect public health.

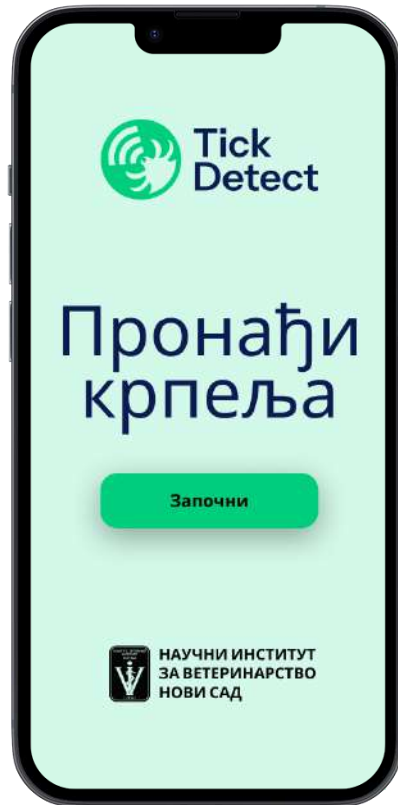


Citizen science is crucial for collecting large-scale data

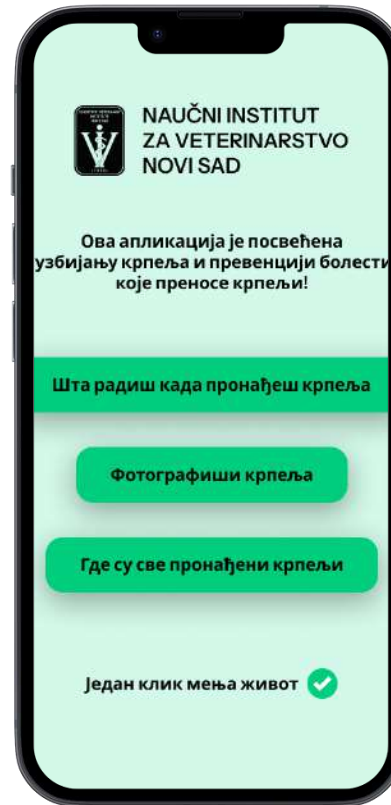
Citizen scientists who report tick sightings and submit samples can provide invaluable data that helps researchers map tick populations and disease prevalence on a large scale.

By leveraging citizen science, we can gather the critical data needed to protect our communities.

KEY FEATURES



Home page



Menu



About

HOW TICKDETECT WORKS

Users submit tick photos

Citizens actively upload photos of ticks they find, along with the GPS coordinates of where the ticks were encountered.

Experts verify the tick species

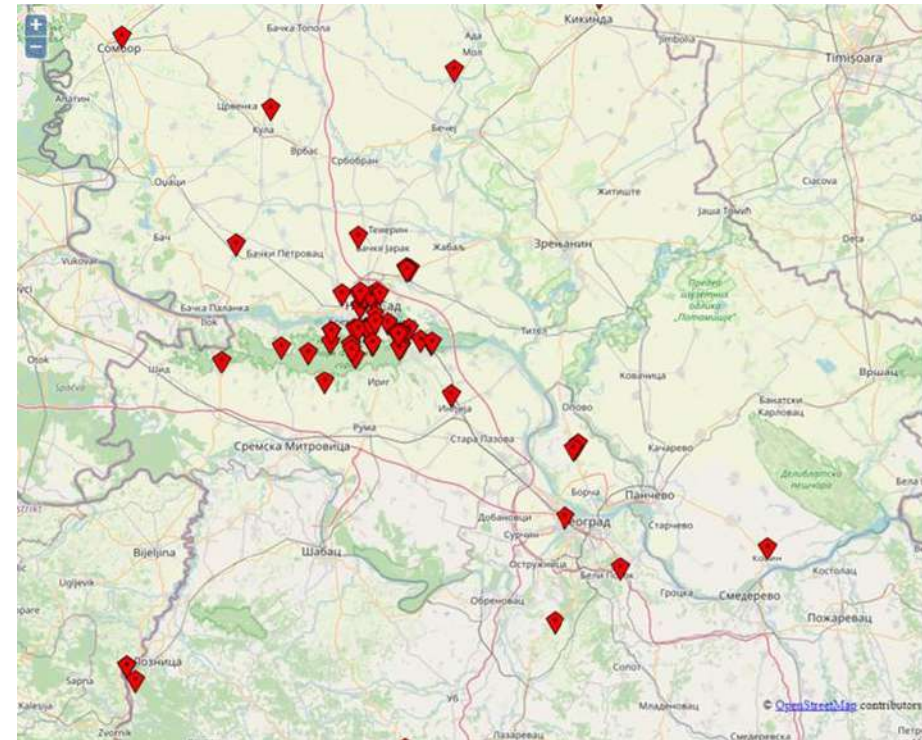
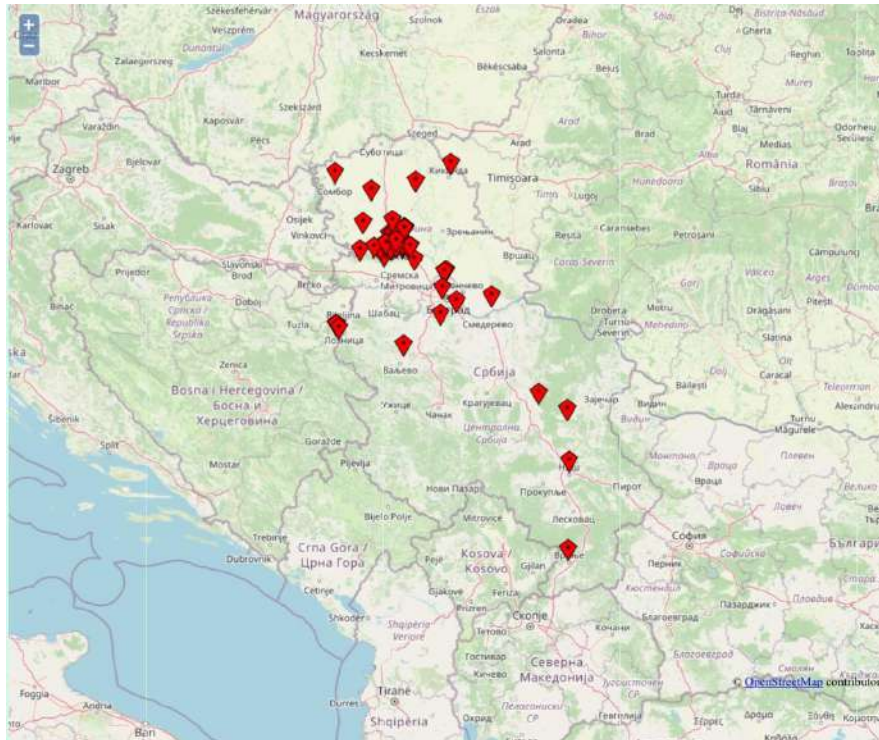
Experts in our lab examine the submitted tick photos and use their knowledge to determine the species of each tick if it is possible

Data is aggregated to create tick distribution maps

The verified tick photo with its location contributes to the real-time tick distribution map, which allows for monitoring tick hotspots across regions.

TICK DISTRIBUTION MAP

This real-time map displays the relative abundance of ticks across different regions, helping users understand the areas with high tick populations.



CHALLENGES AND USER FEEDBACK

The user's feedback was essential for improving TickDetect.

We faced several technical challenges during the first few months.

Guided us to focus on improving the user experience.



Location/GPS coordinates issues

Video tutorials for enabling
the necessary permissions

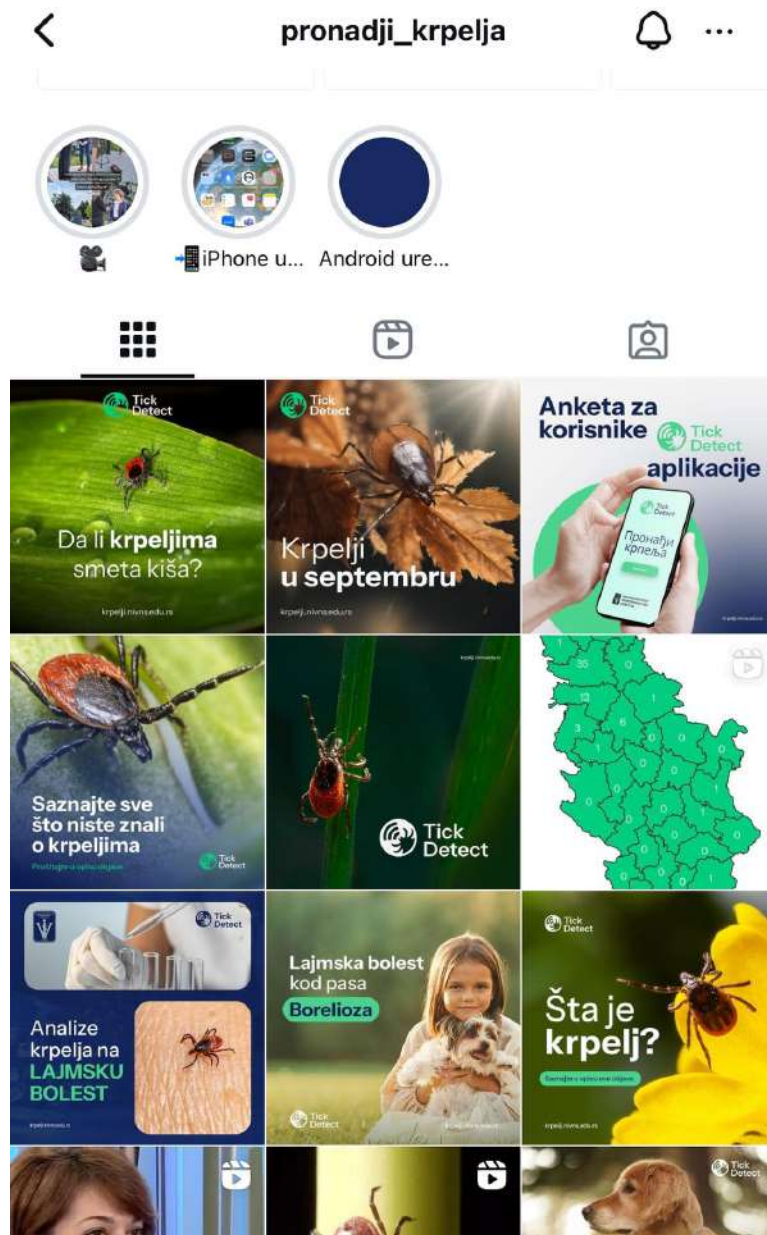
Accessibility of WEB app

Video tutorials - adding
shortcut on Home screen

Photo uploads

No gallery option?! sending
photos and location
manually

SOCIAL MEDIA
BECAME OUR
FASTEST TOOL
TO EDUCATE,
ENGAGE AND
OVERCOME
CHALLENGES



Tick Detect - Pronađi krpelja

48 likes • 77 followers



45 posts

741 followers

7 following

Tick Detect

Detektuj krpelja - saznaj sve o krpeljima na jednom mestu. 🐛
Aplikacija za ujed krpelja. 📱

@niv.ns

Projekat Naučnog instituta za veterinarstvo Novi Sad
See translation

🔗 krpelji.nivns.edu.rs and 2 more



Followed by gagagagica84, jovana_b_petric and 2 others





We are very thankful for all photos of ticks that people uploaded/sent us

Many have contacted us through social media, DMs and even visited our lab

We express our gratitude by publically thanking to all contributors on social media

TickDetect is a powerful example of how citizen science can contribute to important research and public health initiatives.

By empowering everyday people to report tick sightings, TickDetect raises awareness of tick-borne diseases and tick distribution, ultimately supporting better prevention efforts.

As TickDetect continues to grow, we can turn data into actionable insights.

Together we can protect and educate our community about TBDs.



Budite spremni za sezono krpelja.



**Pronađi krpelja -
sačuvaj zdravlje!**



Zaštitite sebe i svoje najdraže!

THANK YOU FOR YOUR ATTENTION

