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Deliverables	D.4.1.2.d		
Deliverable name	Reporting on innovative tool		
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A1: About the innovative tool – EXCOVER application

As part of work package 4 (Widespread welcoming) activity 1 (Involvement of the local population in the identification of the cultural heritage) of the EXCOVER project, deliverable 4.1.2 was to create and study innovative solutions and tools to share the results with local communities and tourists. In order to achieve this, the innovative EXCOVER mobile application was created.

This innovative tool enables local population of Lika-Senj County, Primorje-Gorski Kotar County and Karlovac County to identify cultural and natural heritage of their region and to get involved in creating future tourist offers. Currently, the innovative tool has Croatian and English translations. The EXCOVER application has two modes of operation: Exploration and addition of new points of interest (POIs). The first mode of operation, “Explore”, consists of the landmarks that were identified during field work with the local population (4.1.1). Each POI is marked on a live map that is tracking user’s geolocation, enabling them to easily reach it. Right below the live map, users can find description of each POI. For the sake of gathering as much information about the POIs from the local population as possible, during the creation of the innovative tool, options such as commenting, rating, and uploading photographs for the existing POIs were included. All the uploaded comments were taken into account and uploaded photographs were added to the gallery of the existing POIs after the review. Each POI has its own gallery and each photograph in the application can be enlarged. The second mode of operation, “Add new landmark”, allows users to add the places they think would be of interest to tourists and which were not included in the list of existing points of interest. If they want to add new points of interest, users need to provide its geolocation and description, while also enabling them to upload their photographs of the new POI. Geolocation can be entered either manually (when user is not physically present at the location of the POI they want to add) or automatically (letting the application pick up their geolocation while present at the POI). New points of interest are added to the application after reviewing all the provided information.

It is important to note that EXCOVER innovative tool is quite light, and since the application and data are separate, the application is extremely customizable. Everything in the application can be changed quite quickly – from graphical design to even adding translations to new languages. Unlimited number



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of translations to new languages can be added quite easily, and there is also a possibility to add self-guided tours (stories) of unlimited complexity to the application. Since a live map is integrated into the innovative tool, it is even possible to add points of interest from the regions in different countries.

The innovative tool has been published on iStore and Google Play. It can be downloaded for free on the following links:

Google Play: <https://play.google.com/store/apps/details?id=com.eu.subjekt.excover>

iStore: <https://apps.apple.com/gb/app/excover-app/id1590425052>



A2: Screenshots of the innovative tool

S1: Splash screen when starting the app



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P2: Choice of language





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P3: Main screen and modes of operation





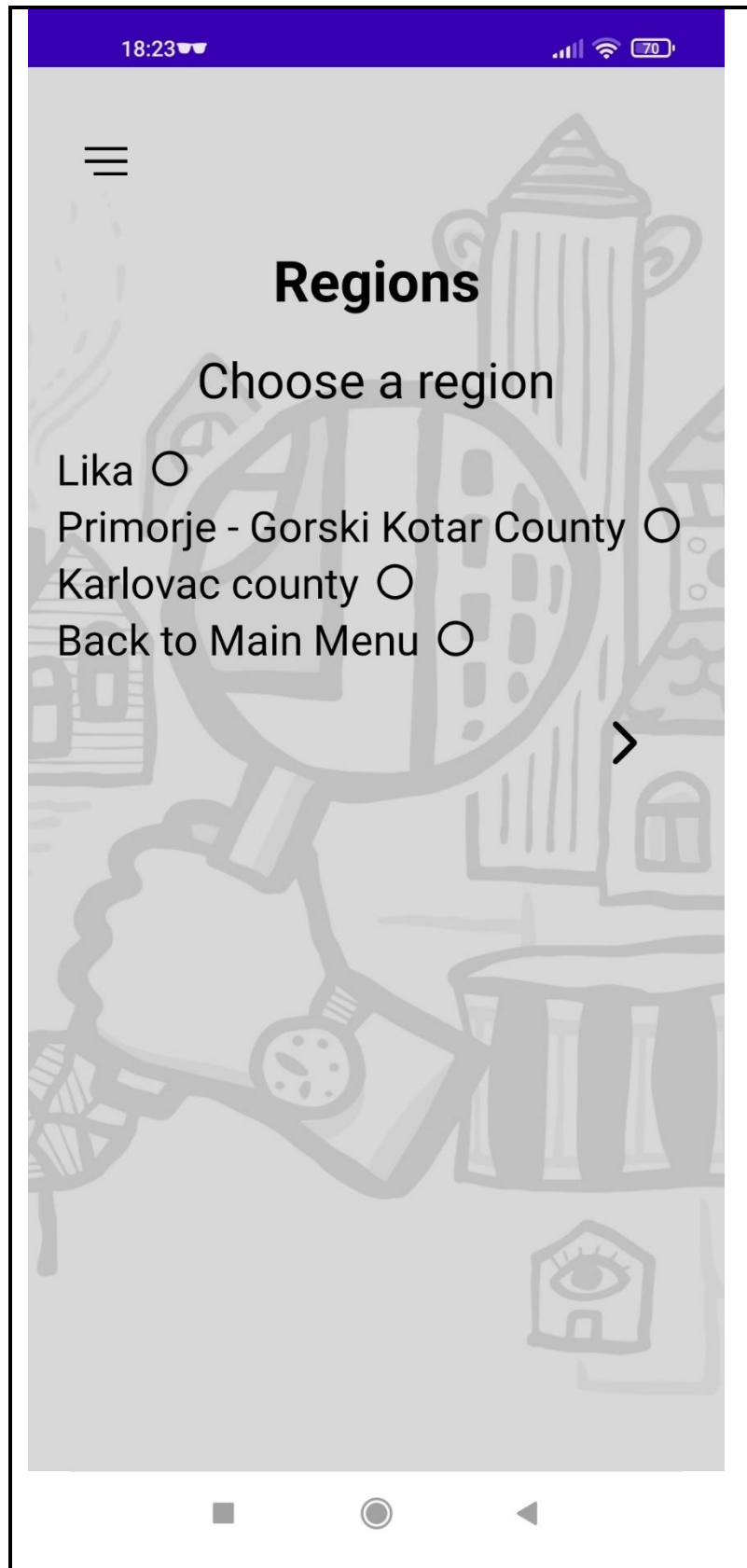
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P4: Region selection after choosing mode 1 – “Explore”





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P5: Part of the list of POIs for Gospić, Lika region



18:23



Gospić

Choose a landmark:

- Autumn in Lika
- Baške Oštarije
- Bilaj
- The Cathedral of Annunciation of the Blessed Virgin Mary
- GROCKS
- Adventure park Likos
- Murkovic Mill
- Open University Ante Starčević
- Jasikovac
- Ranch Linden Tree
- Ranch Vel'ki Mlin
- Rizvan city
- Sport fishing
- Memorial Home of Ante Starčević
- Lika museum
- Nikola Tesla Memorial Home
- Statue of Marta Vodarica
- Statue of Nikola Tesla
- Tower of Aga Senković



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P6.1: Example of POI: Mushroom hunting



18:25

Mushroom hunting

Dom zdravlja Gospić

Lipovska ul.

Dvorana Jehovinih svjedoka

Ul. 9 Gardijske Brigade

Bijajska ul.

Google

Lika area is rich with mushrooms and even truffles (*Tuber aestivum*, *Tuber uncinatum*, *Tuber magnatum*) can be found there with a help of trained truffle dogs. From boletes and chanterelles to high-quality truffles, more than 50 species of edible mushrooms can be found in Lika. By exploring the world of mushrooms, visitors can learn more about the natural heritage of Lika.



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P6.2: Example of POI: Mushroom hunting



and even truffles (*Tuber aestivum*, *Tuber uncinatum*, *Tuber magnatum*) can be found there with a help of trained truffle dogs. From boletes and chanterelles to high-quality truffles, more than 50 species of edible mushrooms can be found in Lika. By exploring the world of mushrooms, visitors can learn more about the natural heritage of Lika.



Leave a comment, upload a photo or rate the landmark
Back to Gospić





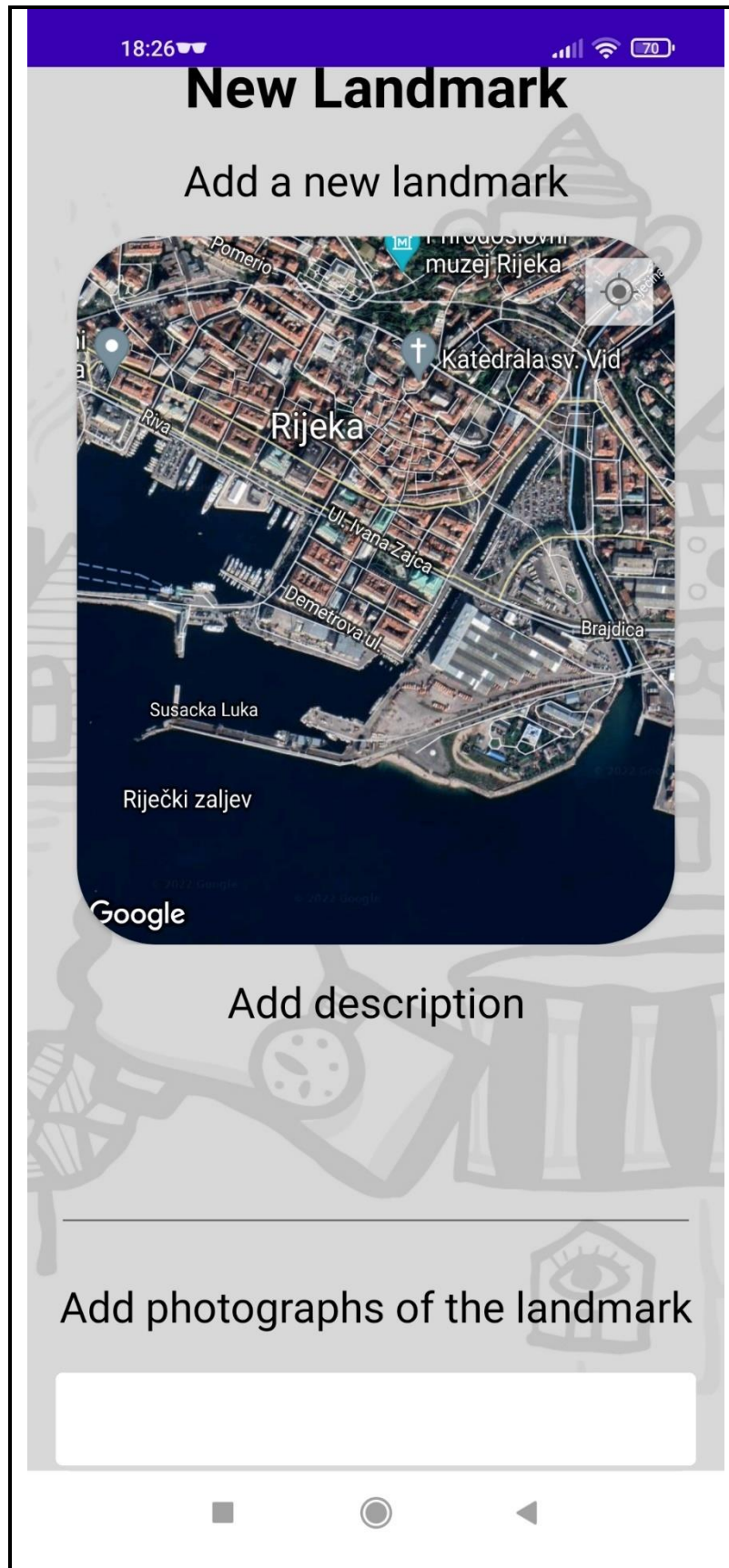
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P7: Mode 2: "Add new landmark"





A3: Final presentation of the situation

Field data collection period: September 1, 2021 – February 1, 2022

A total of 135 points of interest (POIs) have been added into the EXCOVER innovative tool, of which 34 are POIs for the Karlovac County, 32 POIs for the Primorje-Gorski Kotar County and 69 POIs for the Lika-Senj County (30 for Gospić, 19 for Perušić and 20 for Lovinac).

The table below contains information about all the collected points of interest, along with their respective regions, number of photographs uploaded for them and date of addition of each POI into the innovative tool. The table is sorted by region.

Point of interest (POI)	Region	Number of photographs	Date of addition
Autumn in Lika	Lika - Senj County	0	7.9.2021
Baške Oštarije	Lika - Senj County	5	7.9.2021
Bilaj	Lika - Senj County	0	7.9.2021
The Cathedral of Annunciation of the Blessed Virgin Mary	Lika - Senj County	0	7.9.2021
GROCKS	Lika - Senj County	0	7.9.2021
Adventure park Likos	Lika - Senj County	0	7.9.2021
Murković Mill	Lika - Senj County	5	7.9.2021
Open University Ante Starčević	Lika - Senj County	1	7.9.2021
Jasikovac	Lika - Senj County	0	7.9.2021
Ranch Linden Tree	Lika - Senj County	0	7.9.2021
Ranch Vel'ki Mlin	Lika - Senj County	0	7.9.2021
Rizvan City	Lika - Senj County	0	7.9.2021
Sport fishing	Lika - Senj County	0	7.9.2021
Memorial Home of Ante Starčević	Lika - Senj County	0	7.9.2021
Lika Museum	Lika - Senj County		7.9.2021
Nikola Tesla Memorial Home	Lika - Senj County	2	7.9.2021
Statue of Marta Vodarica	Lika - Senj County	0	7.9.2021
Statue of Nikola Tesla	Lika - Senj County	0	7.9.2021
Tower of Aga Senković	Lika - Senj County	4	7.9.2021
Vaganski vrh	Lika - Senj County	0	7.9.2021
Brušane	Lika - Senj County	0	7.9.2021



Visočica	Lika - Senj County	0	7.9.2021
Ribnik	Lika - Senj County	2	7.9.2021
Chapel of St. Ivan Nepomuk	Lika - Senj County	0	7.9.2021
Educational Trails	Lika - Senj County	0	7.9.2021
Hiking trail Krčmar	Lika - Senj County	0	7.9.2021
Hiking trail Oštra	Lika - Senj County	0	7.9.2021
Kolakovac park	Lika - Senj County	0	7.9.2021
Mushroom hunting	Lika - Senj County	1	7.9.2021
Patron Saint's Day	Lika - Senj County	0	7.9.2021
Lake Sveti Rok	Lika - Senj County	0	7.9.2021
Master's Road	Lika - Senj County	0	7.9.2021
Zdunić kula	Lika - Senj County	0	7.9.2021
Zir mountain	Lika - Senj County	0	7.9.2021
Sveto brdo	Lika - Senj County	0	7.9.2021
Village Smokrić	Lika - Senj County	0	7.9.2021
Velebit	Lika - Senj County	0	7.9.2021
Tulove grede	Lika - Senj County	0	7.9.2021
Church of St. Michael	Lika - Senj County	0	7.9.2021
Church of St. Roch	Lika - Senj County	0	7.9.2021
Cycling routes	Lika - Senj County	0	7.9.2021
Hostel Sveti Rok	Lika - Senj County	5	7.9.2021
Cultural Information Center	Lika - Senj County	0	7.9.2021
Lika Potato Day	Lika - Senj County	0	7.9.2021
Rivers of Lovinac	Lika - Senj County	0	7.9.2021
Speleological objects	Lika - Senj County	0	7.9.2021
Sports and recreational center Cvituša	Lika - Senj County	0	7.9.2021
Spring of Wisdom	Lika - Senj County	0	7.9.2021
Travic mill	Lika - Senj County	0	7.9.2021
Village Vranik	Lika - Senj County	0	7.9.2021
Tsar Fir	Lika - Senj County	0	7.9.2021
Lake Kruščica	Lika - Senj County	0	7.9.2021
Perušić Old Town	Lika - Senj County	0	7.9.2021
Inscribed Stone	Lika - Senj County	0	7.9.2021
Church of St. Vitus	Lika - Senj County	0	7.9.2021
Church of the Exaltation of the Saint Cross	Lika - Senj County	3	7.9.2021
Kosinj Bridge	Lika - Senj County	1	7.9.2021
Church of the Holy Trinity	Lika - Senj County	0	7.9.2021
Cave Park Grabovača	Lika - Senj County	3	7.9.2021



NGO Dedi	Lika - Senj County	4	7.9.2021
Kalić Rock	Lika - Senj County	0	7.9.2021
Kaluđerovac	Lika - Senj County	0	7.9.2021
Kosinj Valley	Lika - Senj County	0	7.9.2021
Kristijan Kreković Exhibition	Lika - Senj County	4	7.9.2021
Marko Abyss	Lika - Senj County	0	7.9.2021
River Lika	Lika - Senj County	0	7.9.2021
Ćojluk	Lika - Senj County	0	7.9.2021
Stilanova Lika	Lika - Senj County	4	7.9.2021
HKUD Perušić	Lika - Senj County	0	7.9.2021
Old Town Bosiljevo	Karlovac County	5	30.9.2021
Cetin Fortress	Karlovac County	5	30.9.2021
Old Town Drežnik	Karlovac County	4	30.9.2021
Old Town Dubovac	Karlovac County	3	30.9.2021
Old Town Ogulin	Karlovac County	2	30.9.2021
Frankopan City Novigrad	Karlovac County	3	30.9.2021
Old Town Ozalj	Karlovac County	2	30.9.2021
The City Star Karlovac	Karlovac County	1	30.9.2021
The Old Town of Slunj	Karlovac County	4	30.9.2021
Old Town Modruš	Karlovac County	5	30.9.2021
Chesnut festival Bosiljevo	Karlovac County	0	14.1.2022
The History of the Frankopan family	Karlovac County	0	14.1.2022
Cetingrad tambourine	Karlovac County	0	14.1.2022
Franciscan monastery	Karlovac County	0	14.1.2022
Eugen Kvaternik	Karlovac County	0	14.1.2022
Ranch Deer Valley	Karlovac County	0	14.1.2022
Barac's Caves	Karlovac County	0	14.1.2022
Karlovac Beer Days	Karlovac County	0	14.1.2022
St. John's Bonfire	Karlovac County	0	14.1.2022
Đula abyss	Karlovac County	0	14.1.2022
Ivana Brlić Mažuranić and the brand "Town of fairy tales"	Karlovac County	0	14.1.2022
Ivana's House of Fairy Tales	Karlovac County	0	14.1.2022
Lake Sabljaci	Karlovac County	0	14.1.2022
Mount Klek	Karlovac County	0	14.1.2022
Farkas Tambourines	Karlovac County	0	14.1.2022
Two historic roads – Louisiana and Carolina	Karlovac County	0	14.1.2022



In the Footsteps of Slava Raškaj	Karlovac County	0	14.1.2022
The Homeland Museum Ozalj	Karlovac County	0	14.1.2022
Aquatika – Karlovac freshwater aquarium	Karlovac County	0	14.1.2022
Karlovačko Beer	Karlovac County	0	14.1.2022
Homeland War Museum	Karlovac County	0	14.1.2022
The four rivers	Karlovac County	0	14.1.2022
Rastoke	Karlovac County	0	14.1.2022
The Napoleon's Magazin	Karlovac County	0	14.1.2022
Grobnik Circuit	Primorje – Gorski Kotar County	0	10.12.2021
Grobnik Castle	Primorje – Gorski Kotar County	0	10.12.2021
Čebuhar's House	Primorje – Gorski Kotar County	0	10.12.2021
Cernik Way of the Cross	Primorje – Gorski Kotar County	0	10.12.2021
Chapel of the Holy Cross in Old Town Grobnik	Primorje – Gorski Kotar County	0	10.12.2021
Chapel of the Holy Trinity	Primorje – Gorski Kotar County	0	10.12.2021
The country house of the nobleman Franjo Frankulin	Primorje – Gorski Kotar County	0	10.12.2021
Church of St. Philip and Jacob	Primorje – Gorski Kotar County	0	10.12.2021
Country complex Mayer	Primorje – Gorski Kotar County	0	10.12.2021
Mountaintop "Crni Vrh"	Primorje – Gorski Kotar County	0	10.12.2021
Dondola trail	Primorje – Gorski Kotar County	0	10.12.2021
Ethno exhibition of autochthonous clothes of rural Grobniščina	Primorje – Gorski Kotar County	0	10.12.2021
Gašpar's Mill	Primorje – Gorski Kotar County	0	10.12.2021
Grandmother in the stone	Primorje – Gorski Kotar County	0	10.12.2021



Grobnik Airport	Primorje – Gorski Kotar County	0	10.12.2021
Grobnik Alps	Primorje – Gorski Kotar County	0	10.12.2021
Grobnik Field	Primorje – Gorski Kotar County	0	10.12.2021
Grobnik Labyrinths	Primorje – Gorski Kotar County	0	10.12.2021
Kamenjak	Primorje – Gorski Kotar County	0	10.12.2021
Louisiana road	Primorje – Gorski Kotar County	0	10.12.2021
Roman milestone at Kamenjak	Primorje – Gorski Kotar County	0	10.12.2021
The Milkmaid's Path	Primorje – Gorski Kotar County	0	10.12.2021
Podhum Memorial Complex	Primorje – Gorski Kotar County	0	10.12.2021
Regional sports-recreational and tourist center Platak	Primorje – Gorski Kotar County	0	10.12.2021
Remains of the Roman Limes	Primorje – Gorski Kotar County	0	10.12.2021
Risnjak	Primorje – Gorski Kotar County	0	10.12.2021
Rječina Canyon	Primorje – Gorski Kotar County	0	10.12.2021
Football Stadium Adela Beba Haramija	Primorje – Gorski Kotar County	0	10.12.2021
Stone bridge Lujzijana at Grobnik	Primorje – Gorski Kotar County	0	10.12.2021
St. Bartholomew's trail	Primorje – Gorski Kotar County	0	10.12.2021
St. Bartholomew Church	Primorje – Gorski Kotar County	0	10.12.2021
Roman Milestone in Lišćevica	Primorje – Gorski Kotar County	0	10.12.2021



A4: Conclusion

During the testing period, local communities in all 3 regions showed enthusiasm and support to EXCOVER project by sharing a total of 135 points of interest. The fact that all the POIs that have been added to the innovative tool were suggested by the locals, and in such a high number, is inspiring – especially because quite a few of these locations would have been easily missed by the tourists. By sharing their own visions of what could be interesting to someone outside of their community, these people have decided to openly invite tourists to experience their customs and to catch a glimpse of the everyday life in these three regions.

Although a lot of points of interest were shared, the locals did not provide photographs for many of them. The reason for this could be their average older age and inexperience with technology, since most of them that know about “hidden” or easily overlooked cultural heritage are in later stages of their lives. The local community was active even after all the POIs were added to the innovative tool, as they were leaving comments with corrections and “news” related to some of the landmarks, making sure that the information provided was correct and up to date.

The innovative tool that was created during this project offers many possibilities and it can be easily expanded and upgraded in the future. During its creation, special emphasis was put on its effectiveness and user-friendliness, making it approachable to people of all generations. By adding more regions and translations to new languages, it would be possible to introduce more people to the hidden gems of these easily overlooked places.