

# OUTPUT T2.2

## Pilot Action (P13)

### Report

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<b>Title</b>	Output T. 2.2 Pilot Actions for preserving and management of natural and cultural heritage and resources developed and/or implemented
<b>Date</b>	21 November 2021 (Pilot Site Visit), 21 June 2022 (Pilot Site Workshop), 22 June 2022 (Watering of the Danvuina Alacris and Implementation of the VR-signs on site)
<b>Venue</b>	Gunzenhausen, Germany

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<b>Implementing partner(s)</b>	FAU Friedrich-Alexander-University Erlangen-Nuremberg
<b>Name of Pilot site</b>	Roman Watchtower “Am Vorderen Schloßbuck” WT 14/4 and the small fort “Am Hinteren Schloßbuck”
<b>Project ID</b>	DTP3-1-359-2.2

## General description:

The overall objective in the context of the Pilot Site, which is pursued through various events and measures, is to raise awareness of the Pilot Site in particular and Roman heritage in general. The Living Danube Limes VR serves this purpose, but not alone. Rather, the approach foresees a connection between Living Danube Limes VR and previous processings of the Pilot Site (such as the info boards), between the Pilot Site and events in the Burgstallwald (Pilot Site Visit, guided tours with reenactors, etc.), and between the Limes remains in the Burgstallwald and the rest of "Roman Gunzenhausen", which goes beyond boat building at the Altmühlsee: with "Roman afternoons", for example, where replica of Roman objects (shields, tools, catapults, armour, etc.) are shown and explained or where Roman cuisine is offered, such as panis militaris, prepared in a replica of a Roman oven.

The Living Danube Limes VR described in more detail in D.T2.3.1 provides a VR for watchtower 14/4 and the small fort at Hinterer Schloßbuck. Access to the app (in the Google Play Store) or the browser version is free of charge and without complications. Users are thus provided with a complementary experience to the project's Pilot Sites. It is aimed at the general public and primarily at those who come into contact with the Pilot Site. Potentially, cooperation with other resources in the field of historical heritage is possible, which means that potentially anyone who wants to engage with the Roman past can be reached.

## Agenda:

### **Pilot Site Visit and Press Event: On the traces of the Roman past - a cooperation between the town of Gunzenhausen, the European Union and the Friedrich-Alexander-University Erlangen-Nürnberg**

#### **29 November 2021**

Location: Roman watchtower at Vorderer Schloßbuck

Gunzenhäuser Burgstallwald, at the palisade at the Bismarck monument (easy to reach from the "Waldschenke" car park, Frickenfelder Str. 8, 91710 Gunzenhausen).

Coordinates: 49.11690537925985, 10.771853776431175

2 p.m. Welcome by Mr. Grosser (leading through the programme)

Welcome by Mayor Fitz (classification of the cooperation)

Welcome by Mr. Dreyer (scientific classification)

Presentation of the programme by Mr. Eckerlein / Mr. Burmann (what can be booked)

#### **Local focus group event pilot site year 2**

This event was substituted by FAU (Prof. Dreyer) through several bilateral meetings. In this way, additional stakeholders could be reached. The project and upcoming events were promoted, and the Living Danube Limes VR was thematised. These discussions also served the purpose of using the potentials developed with the EU Interreg DTP project "Living Danube Limes" in the sense of a sustainable concept in cooperation with the local stakeholders.

Among others, the following meetings took place:

- 8 March 2022, Zoom meeting with the district Middle Franconia, present among others: Dr. Andrea Kluxen (Limes expert advice, district Middle Franconia, head), Armin Kroder (district parliament of Middle Franconia, president), Andrea May (Limes expert advice, district Middle Franconia,, Daniel Goltz (district parliament of Middle Franconia).
- 23 March 2022, Zoom meeting with the major of Gunzenhausen (Harald Fitz) and the district administrator of Weißenburg-Gunzenhausen (Manuel Westphal).
- 11 May 2022, meeting of the special-purpose association of the Altmühlsee at the boat building site, present among others: Daniel Burmann (special purpose association Gunzenhausen, managing director), Harald Fitz (major of Gunzenhausen), Manuel Westphal (district administrator of Weißenburg-Gunzenhausen).
- 31 May 2022, meeting of the district Middle Franconia at the boat building site, present among others: Armin Kroder (district parliament of Middle Franconia, president), Daniel Burmann (special purpose association Gunzenhausen, managing director), Harald Fitz (major of Gunzenhausen).

**Workshop: Roman Gunzenhausen – Reviving the past through VR**

**21 June 2022**

Altmühlseecafe Seestraße 17, 91710 Gunzenhausen, Germany

- 3:30 p.m. Start and lecture by Prof. Boris Dreyer: "Living Danube Limes" and the revival of the Roman past in Gunzenhausen
- approx. 4:15 p.m. Discussion: How can attention to the Roman past be sustainably improved (focus: the Roman sites "watchtower 14/4 at Vorderer Schloßbuck" and the "small fort at Hinterer Schloßbuck")?
- approx. 5:30 p.m. End

**Watering and ship christening of the Danuvina Alacris (D.V.C.)**

**26 June 2022**

At the Schlungenhof Lake Centre, Seestraße 17, 91710 Gunzenhausen, Germany

- 10:30 - 11:30 a.m. Words of greeting and welcome from among others Prof. Dr. Andreas Hirsch (Vice-President the of the FAU Erlangen-Nuremberg), Prof. Dr. Boris Dreyer (Project Manager of the boat construction)  
  
Christening of the boat by Mrs. Christa Naaß (1st Vice-President Bezirkstag Middle Franconia)
- 11:30 - 17:00 Roman festival with reenactors

**Participating Partners and Stakeholders:**

**Pilot Site Visit and Press Event: On the traces of the Roman past - a cooperation between the town of Gunzenhausen, the European Union and the Friedrich-Alexander-University Erlangen-Nürnberg**

## 29 November 2021

PP FAU:

3

local public authorities:

3

- Karl Heinz Fitz (major of Gunzenhausen)
- Wolfgang Eckerlein (chief officer of the Centre of touristic of Gunzenhausen)
- Mr Grosser (press officer of Gunzenhausen)

higher education and research:

1

- Friedrich-Alexander-University Erlangen-Nürnberg: Prof. Dreyer, Mrs. Sponsel-Schaffner, Mr. Hilverda (= PP FAU)

sectoral agency:

1

- Andrea May (Limes expert advice, district Mittelfranken, Germany)

infrastructure and (public) service providers:

1

- Daniel Burmann (managing director of the special purpose association Gunzenhausen)

## **Workshop: Roman Gunzenhausen – Reviving the past through VR**

**21 June 2022**

PP FAU:

3

local public authorities:

1

- Wolfgang Eckerlein (chief officer, Centre of touristic of Gunzenhausen, via e-mail and in preparation)

higher education and research:

1

- Friedrich-Alexander-University Erlangen-Nürnberg: Prof. Dreyer, Mrs. Sponsel-Schaffner, Mr. Hilverda (= PP FAU)

interest groups including NGOs:

1

- Uwe Maier, Bavarian Limes Guide (Gunzenhausen)

infrastructure and (public) service providers:

1

- Daniel Burmann (managing director of the special purpose association Gunzenhausen)

sectoral agencies:

2

- Andrea May, Limes expert advice, district Mittelfranken, Germany
- Markus Gschwind, Bavarian State Office for the Preservation of Monuments (Coordination of archaeological world heritage sites)
- Simon Sulk, Bavarian State Office for the Preservation of Monuments (Coordination of archaeological world heritage sites)

### **Watering and ship christening of the Danuvina Alacris (D.V.C.) 26 June 2022**

PP FAU:  
3

PP DUK:  
1

local public authorities:  
1

- Karl-Heinz Fitz, major of Gunzenhausen

regional public authorities:  
1

- Christa Naaß, vice-president of the district parliament of Middle Franconia

higher education and research:  
2

- Friedrich-Alexander-University Erlangen-Nürnberg: Prof. Hirsch (Vice president), Prof. Dreyer, Dr. Speck, Mrs. Sponsel-Schaffner, Mr. Hilverda (= PP FAU)
- Danube University Krems: Mr. Jelusic (= PP DUK)

interest groups including NGOs:  
2

- Reenacter: Cohors XXVI Vol.C.R. from Rheinbrohl (9 people)
- Reenacter Albert Schwark (and also reenacting wife)

infrastructure and (public) service providers:  
1

- Daniel Burmann, special purpose association Gunzenhausen

### **Preparatory phase:**

From the beginning of the project, it was clear that the German pilot site would benefit from a VR extension. This was promoted by FAU several times to stakeholders and the local public, such as at the Local Focus Group Meetings and the Pilot Site Visit. STUBA initially planned to visit the pilot site in order to obtain data for the VR realisation on site. In the end, these plans were not put into practice. However, FAU, in cooperation with the Centre of touristic of Gunzenhausen and the Bavarian State Office for the Preservation of Historical Monuments, provided the data on watchtower 14/4 and the small fort that had already been obtained during research.





Photos by Alexander Hilverda. During the pilot site visit on 29 November 2021, stakeholders and the public were informed about the EU Interreg DTP project "Living Danube Limes", events in connection with project and the pilot site and the planned VR.

The two photos below (by Alexander Hilverda) show the two info boards located at the pilot site. FAU provided STUBA with the data and visualisations used for these info boards to generate the VR.







Photos by Alexander Hilverda. On 21 June 2022, the pilot site workshop was held with the participation of stakeholders and the public.



Due to technical requirements, the pilot site workshop was not located in the Burgstallwald itself, but in the vicinity: at the boat building site on the Altmühlsee. Here, FAU provided information on the status of the project and planned measures. The Living Danube Limes VR was also presented. The stakeholders welcomed the VR as a useful addition to the previous utilisation of the pilot site. At the same time, potential was seen in integrating the VR into existing apps or developing it further. The suggestion of linking to the app or the browser version via QR code on site met with approval.



## Implementation and Testing approach:

On 26 June 2022, when the watering and ship christening of the Danuvina Alacris also took place, the two signs providing access to Living Danube Limes VR via QR code were installed at the pilot site. The first two photos (by Alexander Hilverda) refer to watchtower 14/4, photos three and four (by Alexander Hilverda) to the small fort at Hinterer Schloßbuck.









They were placed directly next to the already existing info boards. This way they can be easily discovered and the VR experience can be contextualised with the help of the info boards.

FAU was able to produce and install the signs on site at no cost. Approval from local stakeholders was obtained without complications.

Tests of the QR codes showed functionality without complications.

The durability of the signs is estimated at approximately half a year. This therefore rather provisional character is appropriate, as it must currently be assumed that an update of the signs should take place after publication of the main app. Furthermore, possibilities to further develop the Living Danube Limes VR or to connect it with other resources (e.g. apps) are currently being explored. This could also necessitate an update of the signs.

Exact position of the signs:

Small fort “Am Hinteren Schloßbuck”

49.116886288996426, 10.780911612715586

<https://goo.gl/maps/W27Mw5jWsQBxcZNb7>

Roman Watchtower “Am Vorderen Schloßbuck” WT 14/4

49.11707164523584, 10.771945829956419

<https://goo.gl/maps/pMNZZbohU144UgvF8>

## Dissemination

As described, the Living Danube Limes VR was advertised within the framework of several events (Local Focus Group Meetings, Pilot Site Visit, Pilot Site Workshop). During the Connecting Cruise, however, the German pilot site will play a rather subordinate role, as Gunzenhausen is not located at the Danube. However, it is to be expected that the Living Danube Limes VR contribution for the German pilot site will be noticed in connection with the other pilot sites, as the VR of all pilot sites can be reached via one and the same app.

For the future, it is important that local and regional stakeholders use the potential of the Living Danube Limes VR by further distributing it, developing it and integrating it into existing resources (e.g. apps). In this way, Living Danube Limes VR can be sustained. After all, every app must be continuously maintained in order to meet the standards of an app store, otherwise it would no longer be offered in that app store.

These processes of further development and distribution can also trigger national or international cooperation.

## Target groups:

### Integration and use of the Output by the target group:

In particular, the Living Danube Limes VR is expected to be used by the following target groups:

- local public authorities
- general public
- interest groups including NGOs
- sectoral agencies

- infrastructure and (public) service providers.

### Number and profile of participants in total:

About 350 people have so far demonstrably come into contact with Living Danube Limes VR (see below). Besides the general public, these are the following target groups:

- local public authorities (3)
- regional public authorities (3)
- higher education and research (0, as both universities are PP at the same time)
- general public (approx. 350)
- SME (small and medium enterprises) (4)
- interest groups including NGOs (4)
- sectoral agencies (2)
- infrastructure and (public) service providers (1).

### Target groups reached through the pilot action:

Target groups (in accordance to AF section C.2.2)	Target value	Institutions/interest groups/key persons present at the event
local public authorities	3	- Karl Heinz Fitz (major of Gunzenhausen) - Wolfgang Eckerlein (chief officer of the Centre of touristic of Gunzenhausen) - Mr Grosser (press officer of Gunzenhausen)
regional public authorities	3	- Christa Naaß, vice-president of the district parliament of Middle Franconia - Manuel Westphal (district administrator) - district parliament of Middle Franconia: Armin Kroder (president), Daniel Goltz
national public authorities		
higher education and research	0	- Friedrich-Alexander-University Erlangen-Nürnberg: Prof. Hirsch (Vice president), Prof. Dreyer, Dr. Speck, Mrs. Sponsel-Schaffner, Mr. Hilverda (= PP FAU) - Danube University Krems: Mr. Jelusic (= PP DUK)
education/training centres and schools	-	
SME (small and medium enterprises)	4	- Andreas Gronau, master boatbuilder - Silvan Rachinger (Rachinger, truck-mounted cranes and industrial assembly) (three people) - Michaela Reuter, Logistics – Forwarding (3 people) - Kultur Kollektiv / Netta mea (3 people)
general public	around 350	
interest groups including NGOs	4	- Uwe Maier, Bavarian Limes Guide (Gunzenhausen) - Reenacter: Cohors XXVI Vol.C.R. from Rheinbrohl (9 people) - Reenacter Albert Schwark (and also reenacting wife)



		- Brass band Dittenheim (25 people)
international organisations under national law	-	
international organisations under international law	-	
sectoral agencies	2	<ul style="list-style-type: none"> <li>- Andrea May (Limes expert advice, district Mittelfranken, Germany)</li> <li>- Dr. Andrea M. Kluxen (Limes expert advice, district Mittelfranken, Germany , head)</li> <li>- Markus Gschwind, Bavarian State Office for the Preservation of Monuments (Coordination of archaeological world heritage sites)</li> <li>- Simon Sulk, Bavarian State Office for the Preservation of Monuments (Coordination of archaeological world heritage sites)</li> </ul>
infrastructure and (public) service providers	1	- Daniel Burmann (managing director of the special purpose association Gunzenhausen)