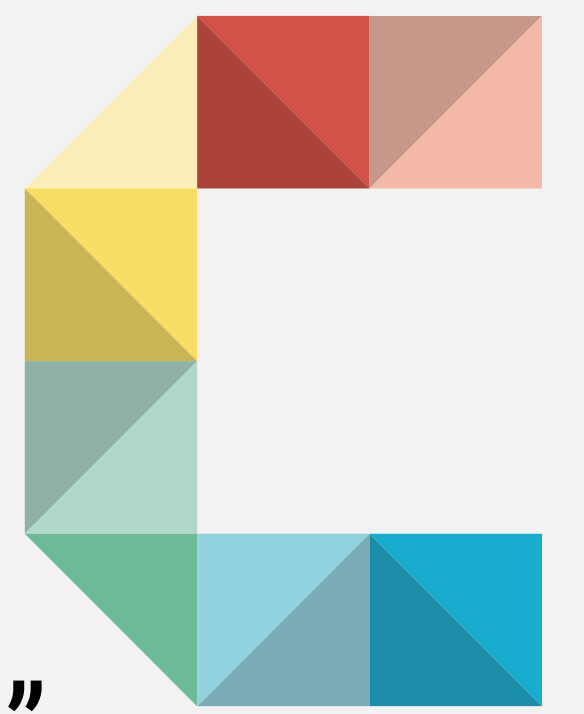


Layers of Austria: A 3D web map



“Look deep into nature, then you will understand everything better.”

by ALIKHAN BEISENBAYEV and YI-RU LIANG

Layers of Austria is an interactive 3D web map designed to provide an immersive exploration of Austria's wildlife, heritage, and natural attractions. We want to create an interesting and informative experience that allows users to explore Austria in a dynamic and engaging way. Through the map, users can visit tourist spots or animals and get further information about them. By combining animations, interactive icons, and a user-friendly interface, the map inspires users to explore Austria's cultural and natural beauty.

OBJECTIVE

Our project aims to create an interactive 3D experience that combines immersive experience, interactive models with informative content about Austria's wildlife, heritage, and natural attractions. We focus on native animals, popular landmarks, and famous natural attractions, highlighting them with interactive 3D models and icons to enhance user engagement and interest.

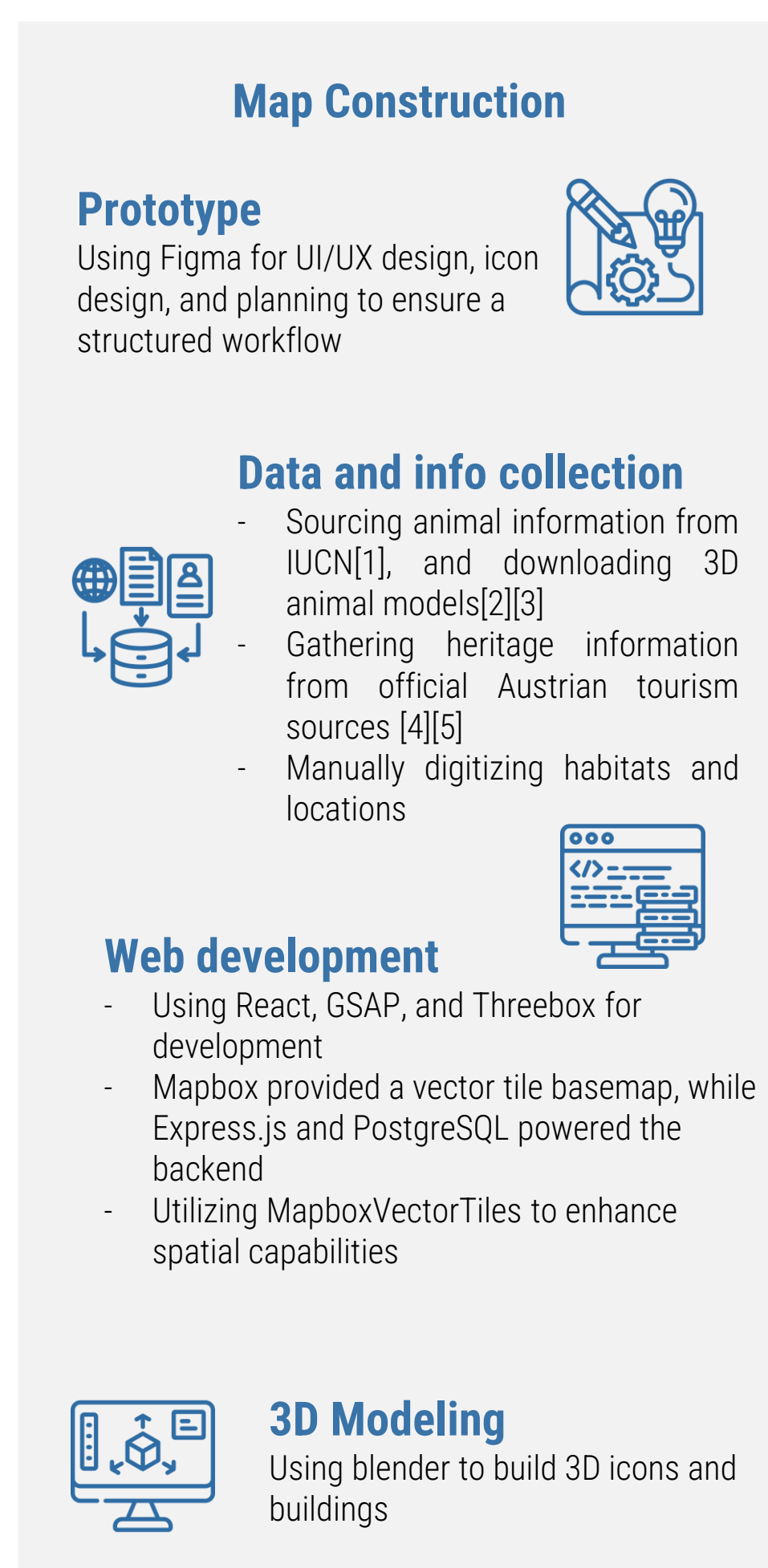


Fig.2 Project Workflow with four main steps

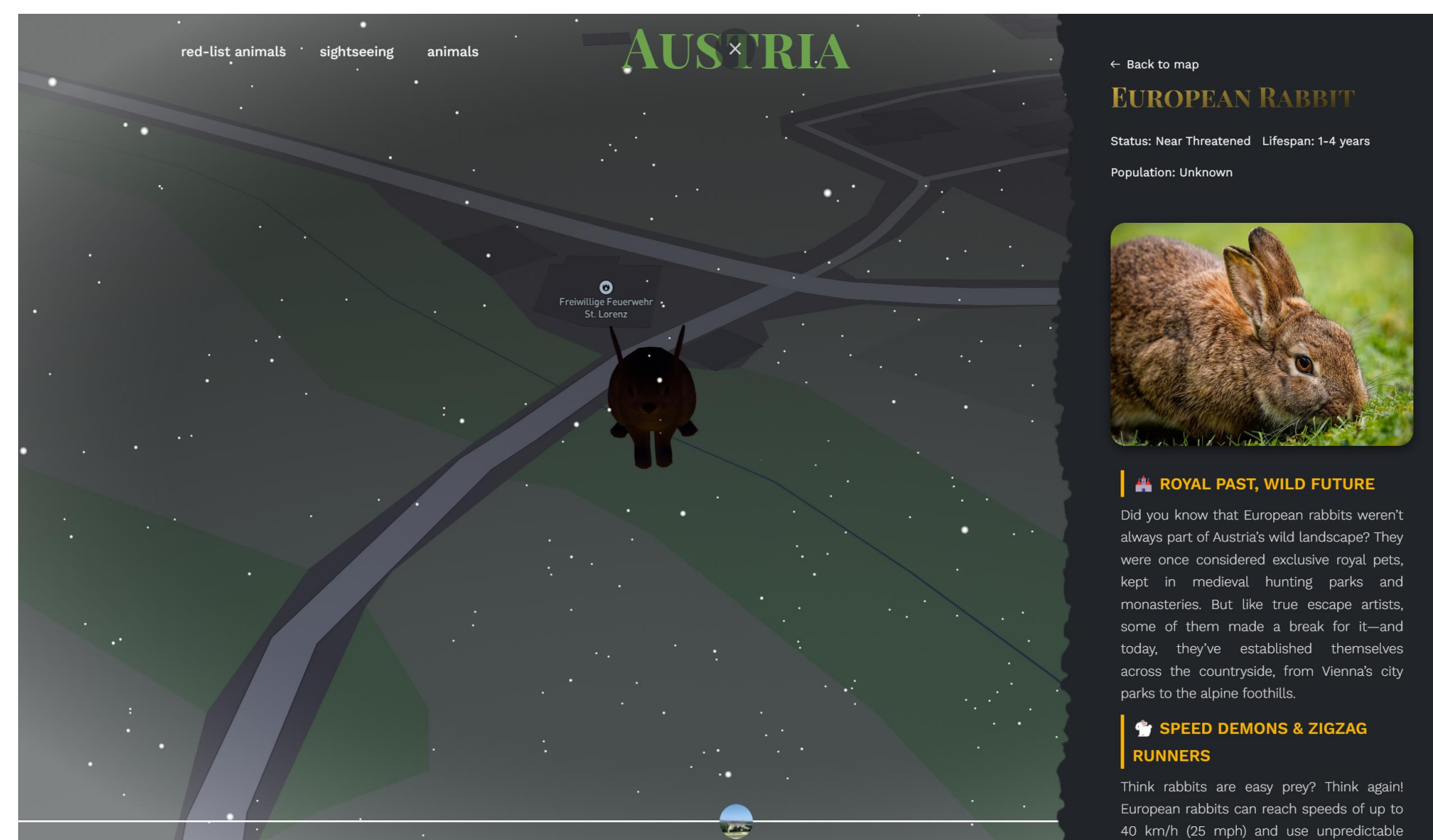


Fig.1 Map highlight with 3D object of rabbit and sidebar

RESULTS

The result of our product is an engaging, appealing, and easy-to-use 3D web map with highlights include:

- Immersive experience: With natural sounds and animated 3D objects, the web map enhances interactivity to make it interesting and visually appealing
- A glance of Austria: The website provides a selection of Austria's red-list animals, heritage sites, and natural attractions
- Informative contents: Clicking on a 3D object pops up a sidebar with detailed information, providing users with deeper understanding of it



Fig.3 3D palace in a day mode

CONCLUSION

Layers of Austria blends interactive 3D visualization, informative content, and immersive sound to create an engaging web map of Austria's wildlife, cultural heritage, and natural attractions. While it lays a solid foundation, future improvements will target optimized performance, expanded content, and enhanced accessibility through custom 3D models and cross-platform compatibility.

INSPIRATION

Inspired by LewaHouse [6], a safari lodge located in Kenya's Lewa Wildlife Conservancy, a UNESCO World Heritage site known for its diverse ecosystems and conservation efforts.

IMPRINT

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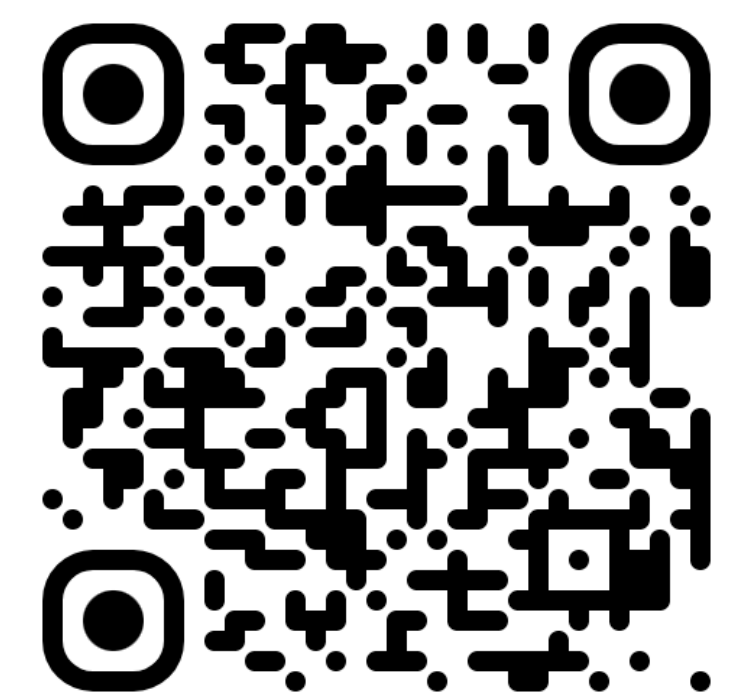
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KEYWORDS

Austria, wildlife, historical places, nature, 3D, web map

LINK

<https://austria-layers.netlify.app/>



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* Subtitle Citation by Albert Einstein

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