Lake View Has Always Been An Issue

universität Case Study: Accumulated Viewsheds Analyses As A Method To Value Wien The Impact Of Dominating Landscape Footures On Drobints Cont. (1) The Impact Of Dominating Landscape Features On Prehistoric Societies (Project: Beyond Lake Villages, Austrian project part, FWF I-1693) http://beyondlakevillages.wordpress.com/

International Colloquium on Digital Archaeology in Bern, 4th – 6th February 2019: Julia Klammer, Kerstin Kowarik, Timothy Taylor, Department for Prehistoric and Historical Archaeology, University of Vienna, Franz-Klein-Gasse 1, 1190 Vienna, j.klammer@univie.ac.at, kerstin.kowarik@univie.ac.at, timothy.taylor@univie.ac.at



1. Project: BELAVI - Beyond Lake Villages

Funding: supported by the joint projects funding scheme D-A-CH (FWF, DFG and SNF). Content: studying the prehistoric lake village sites in the three contries and their wider region. Aim: to characterize human impact in terms of land use dynamics during the Neolithic.

3. Study: Ideas And Background

One of our project objectives is to gain a deeper insight into spatial relations between landscape and Neolithic societies. The showcased study is based on two main ideas:

- 1. Mountains and lakes dominate the research area, forming barriers and open spaces.
- 2. Vision is the most important sense for human spatial perception. The main focus is to evaluate the impact of the visual context of the lakes

- appx. 1400 km². 4. Analyses: Technical Details

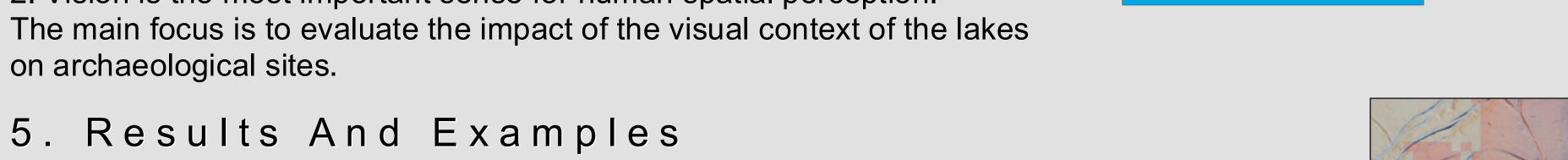
Viewsheds from the shore and centre lines have been calculated on four lakes: Attersee, Irrsee, Mondsee and Wolfgangsee. The spatial relation between the location of archaeological sites and the lake view has been analysed.

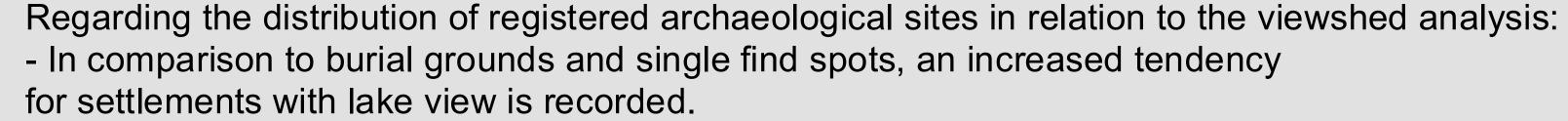
- DTM Digital Terrain Model, 10 meters resolution.
- Placement of observer points, every 50 meters.
- Observer height, 1,5 meters (simulation of eye level).
- Sites register, Federal Monuments Authority Austria (BDA).

2. Austrian Research Area

- northern foothills of the Austrian Alps/Northern Pre-Alps.

- Attersee-Mondsee Region (Salzburg and Upper Austria).





- The Pre-Alpine lakes are invisible from the sites located at the northern lowlands. In total, the capturing extent of the lake visibility is rather small: "they lived in a small world". Examples depiced in Fig. 1 to 3 show a selection of hillforts within the view catchment of the lakes (partly on the very edge of it).

6. Conclusion And Out View

A relation between settlement location and lake view position is clearly observable (Diagram). How do we interpret the sites outside of the visible boundaries now? Different function? Different society? Is the extant of the accumulated viewshed also a cultural limit? These thoughts need to be continued...

