

GISCIENCE MEETS ART IN THE FOREST AT THE WÖRTHERSEE SOCCER STADIUM IN KLAGENFURT, AUSTRIA

VIRTUAL GEOGRAPHY COLLOQUIUM

GERNOT PAULUS

CARINTHIA UNIVERSITY OF APPLIED SCIENCES

Department of Geoinformation and Environmental Technologies

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3:00-4:00PM, MARCH 12, 2021

An interdisciplinary research cooperation created a "Digital 3D Twin" of the temporary art installation "FOR FOREST in the Wörthersee Football Stadium" in Klagenfurt, Austria in September 2019. The aim of this applied research project was the complete, centimeter-precise digital 3D surveying of this art intervention through an innovative combination of various state-of-the-art geodata acquisition technologies. The technologies used included terrestrial laser scanning, precision reference measurement with mobile DGPS (Differential Global Positioning System) and a Total Station, high-resolution drone based airborne images and photogrammetric analyses.

With the temporary installation of a species-rich mixed Central European forest in the Wörthersee football stadium, the art intervention FOR FOREST by Klaus Littmann not only created the largest art intervention in public space in Austria, but also a unique controlled experimental laboratory for the following exciting and challenging scientific research questions in the context of forestry & surveying and 3D visualization.



DEPARTMENT OF
GEOGRAPHY &
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