

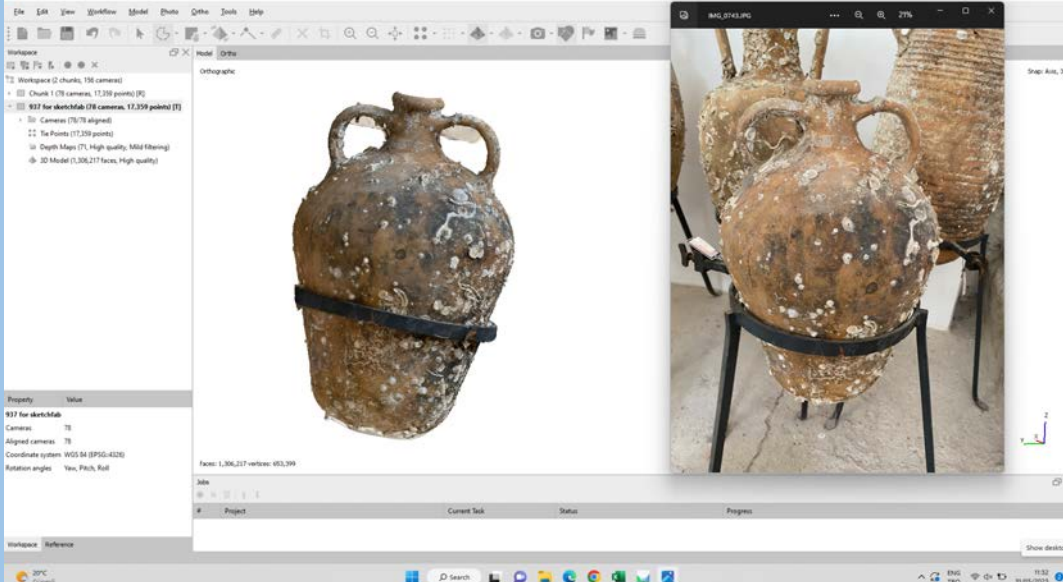


KUDAR Update for April and May, 2023

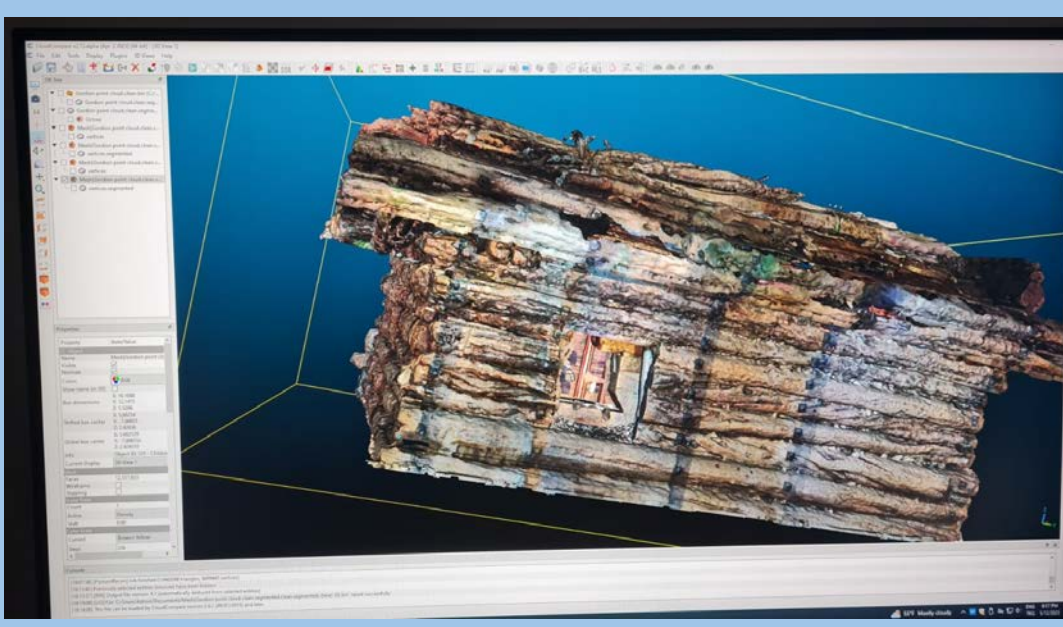
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Dear Everyone,

April was slow in Istanbul, as we settled into the rhythm of the Spring term, but now that Savannah, Jelena and Burcu have completed their coursework and are writing up their research, they were able to take advantage of a variety of research and conference opportunities in May.



Savannah's research establishing a standard workflow to generate 3D printed fills from extruded plastic and ceramic, for broken pottery in museum collections, is making steady progress. With help from the engineers in the **MARC** laboratory on campus, she has spent April and May refining a protocol starting with photogrammetry models of the amphorae from the local museum in Minori, Italy, and finishing with 3D printed ceramic fills to replace pieces missing from those objects. As these fills have embedded sensors as well, they can also synchronize daily data on the structural stability of the amphorae with the changing environment in the museum.



Savannah's project is not the only visualization work the KUDAR workstation is processing. Since 2021, we have also been working with the University of Pennsylvania's research at Gordion, Turkey, to create a 3D digital model of the standing wooden tomb – the so-called 'Midas Tomb' – from the 8th century BC. With photogrammetry and laser scanners, we have a preliminary digital model of this structure. I will provide more details as we refine and finish this model over the summer.



On May 9th, we hosted our final ARIT-INA-KUDAR public lecture for the Spring of 2023. Dr. Georgia Holly, from the University of Edinburgh, discussed her ongoing project off the coast of Mozambique, incorporating sustainable marine spatial planning practices with the management of the maritime cultural heritage. The recording of Dr. Holly's presentation is available [here](#).



Jelena has been busy with her research along the Adriatic coastline. In early May, she discussed her research in a public roundtable as part of the Wind Festival in Tivat, Montenegro, focusing on the archaeological evidence for the disappearing cultural landscapes of the Bay of Kotor. Soon, afterwards, she traveled to Hvar, Croatia, to participate in the excavation of an 18th-century wreck off the coastline.



May was busy for Michael Jones as well. On May 2nd he hosted an online conference on ship iconography, with participants from the UK, Turkey, Israel and Malta; more details are available on our website. He was also invited to Bilkent University to discuss the discipline of Maritime Archaeology with their Archaeology Club and, lastly, he hosted visiting archaeology students from Istanbul University (above) in the KUDAR laboratory, highlighting our research and training facilities.

Finally,

Work on our Joint MSc in Sustainable Ocean Management with our partners in Denmark, Germany, and the UK continued in April and May. Having established the shared curriculum and general mobility plan, our next goal is building the shared administrative infrastructure to support our students. Our in-person meeting in Copenhagen in early May was very productive, and we're making good progress to meet our December deadline and apply for the next round of Erasmus Mundus funds in 2024.

IMPORTANT DATES

June 15-17, 2023

Turkish Institute of Nautical Archaeology Symposium

Best wishes to everyone,

Matthew Harpster

Director

KUDAR: Studying the Relationship between Society and the Sea