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EU-FUNDED HACKATHON & WEBINAR
SERIES

The Use of UAV Technology in Jewish Heritage Preservation

19th -20th June 2023
Sign up [here](#).





To whom it may concern,

It is with great pleasure that the ESJF European Jewish Cemeteries Initiative invites you to take part in a EU-funded Webinar series and Hackathon under the 'Preserving Jewish Cemeteries' grant online on 19th -20th June 2023

With sessions on the application of drones in the work of the ESJF from Office Manager, Alexander Bessarab and on the useage of historical maps in heritage preservation from the ESJF's Historical Researcher, Dr Katerina Malakhova as well as workshops on photogrammetry and Pix4d from Drones Specialist, Hlib Lisovyi and Pix4d Senior Technical Trainer and content creator, Ryan Hughes, you will learn all you need to know about the interesting intersection of UAV technology and Jewish heritage preservation.

The Hackathon will be concluded with a technical assignment using Pix4d cloud software and the ESJF's data to specify potentially dangerous site territories. Three prizes will be awarded to the students who perform the best!

Applications are welcome from across the globe. To take part in the Hackathon, you will need access to a laptop or computer and the internet as well as the software: Pix4d. To get access, we recommend registering at the Pix4d to receive test license: www.pix4d.com/

To apply fill out this form before midnight, 18th June:
<https://forms.gle/Kpha5DWddrR8WffK7>

If you have any questions or more information, please do not hesitate to contact the ESJF's Educational Officer, Alexandra Fishel at alexandra.fishel@esjf-cemeteries.org

We look forward to receiving your applications,

Best regards,

The EU team at the ESJF



Preliminary Programme

Monday, 19th June 2023

6pm - 6:30pm	Introduction to the Hackathon and the ESJF's work by Alexander Bessarab
6:30pm - 7:15pm	The Usage of Historical Maps in Jewish Heritage Preservation by Dr. Katerina Malakhova
7:15pm - 7:30 pm	Break
7:30pm - 8:00pm	How to use Pix4d for Preservation of Jewish cemeteries by Hlib Lisovyi
8:00pm - 8:30pm	Presentation of the technical assignment for the Hackathon by Alexander Bessarab and Hlib Lisovyi

Tuesday, 20th June 2023

6pm - 7pm	Introduction to Pix4d Products for cultural preservation by Ryan Hughes
7pm - 7:15pm	Break
7:15pm - 7:45pm	Q&A session on data processing in Pix4d Cloud
7:45pm - 8:15pm	UAV data usage in the field
8:15pm - 8:30pm	Conclusion and presentation of awards

**sessions are subject to change and times quoted refer to Central European Time. The final programme will be sent to you with the zoom link the day before the event is scheduled to take place.



About the ESJF's UAV courses

The ESJF is a German-based NGO active in Central and Eastern Europe, founded in 2015, in recognition of the thousands of Jewish cemeteries in Europe that lie neglected and unkempt. In 2018, the ESJF received support from the European Union for a mass survey project of Jewish burial sites using cutting-edge UAV technology. To date, ESJF has mapped and researched around 4,200 cemeteries across eight countries. Our website hosts a database of the surveyed sites in these countries, with photos, maps, and descriptions to make information on Jewish cemeteries in Europe public and accessible to all (<https://www.esjf-surveys.org>).

The ESJF carries out various education projects for high school students, teachers, and local historians but a truly unique part of our educational work is our outreach programmes for those in higher education, that goes beyond usual target audiences like history students. We firmly believe that heritage preservation is a field that should include not only humanities, social sciences but also technical fields, and that engineers and architects are key in the digital heritage revolution we are witnessing around the world today.

Surveys and photogrammetry are among the core areas of expertise at the ESJF, and in cooperation with Dron.ua company we have developed a training package with which engineering and architecture students can learn about the cutting-edge UAV and 3D modelling technology we deploy. Beyond this technical training, students are introduced to Jewish history and heritage, specifically the significance of cemeteries in Jewish life.