

ERODITE

Newsletter No 4



Earth
Observation
Tools For The Promotion
Of Digital Economy

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TRAINING EVENTS

Training event in Thessaloniki, Greece

The ERODITE Training and Transnational Event in the vibrant city of Thessaloniki, Greece, took place from May 31st to June 3rd, 2023. Each day was meticulously structured, providing participants with eight hours of engaging sessions, complemented by essential coffee and lunch breaks.

The venue was the **Aristotle University of Thessaloniki** Research Dissemination Center. The daily schedule featured two morning and two afternoon sessions, offering a well-rounded curriculum. Beyond lectures, participants had the unique opportunity to explore the historic archaeological site of Vergina, gaining valuable insights into best practices in lecturing and the innovative ERODITE platform.

The objectives of the event were to showcase geomatics tools in applications such as cultural heritage mapping and to demonstrate the effective utilization of Earth Observation (EO) data for climate change monitoring. Attendees were exposed to cutting-edge surveying techniques, including UAVs, SLAMs, and laser scanners. The program also delved into applications involving GNSS networks, receivers, and the processing of GNSS data.

The training event proved to be an enriching experience as participants delved into the latest advancements in Satellite Geodesy and Terrestrial Reference Systems. The sessions not only offered valuable insights but also shed light on their practical applications, notably in the realm of climate change monitoring. Stay tuned for more updates on our ongoing efforts to enhance knowledge and skills in these critical areas.



TRAINING IN JORDAN

Training event in Irbid, Jordan

The third successful of our recent training events, was held from September 16th to 19th, 2023, at **Jadara University** in Irbid, Jordan. Situated in the northern region of Jordan, Jadara University stands as a distinguished private institution with eight faculties, one of which is the esteemed Faculty of Engineering.

The focal point of this training was the comprehensive exploration of UAV (Unmanned Aerial Vehicle) data acquisition and processing, coupled with practical field training and software demonstrations. Participants gained valuable insights into diverse applications, spanning mapping to the preservation of cultural heritage. The engaging sessions provided a unique opportunity for hands-on learning and skill development.



During the three-day event, many students actively participated in hands-on training sessions, gaining valuable experience with the new equipment procured by the ERODITE project. This practical engagement underscores the project's commitment to providing a dynamic learning environment for students.

In a noteworthy development, stakeholders from both industry and government agencies attended the event. Their presence added immense value by offering practical recommendations for enhancing curricula, ensuring that the skills of new graduates align with the current demands of the professional landscape.

The ERODITE project appreciates the active participation and insights contributed by all attendees, further reinforcing our commitment to advancing knowledge and skills in the realm of our shared objectives.



TRAINING IN ALGERIA

Training event in Ouargla, Algeria

The last ERODITE Training & Transnational Event for 2023, took place in Ouargla, Algeria, from December 1st to 4th, in hybrid format. This significant event also featured Local Case Study 5, focusing on the Promotion of gender equity with a specific emphasis on fostering greater participation among female students and graduates pursuing postgraduate and PhD studies.

All sessions and lectures unfolded at the esteemed **Kasdi Merbah University**, providing an enriching location for collaborative learning and knowledge exchange. The initial day of the event was dedicated to the management and Quality Control meetings of the ERODITE consortium, setting the stage for strategic discussions and planning.

The second day centered on the ERODITE platform training, showcasing its functionalities and capabilities. Following this, engaging presentations were given, addressing the critical theme of promoting gender equity for those pursuing postgraduate studies. The agenda also included insights into good practices and guidelines for impact equalization, emphasizing the domain-specific adaptation of core curricula to specific target groups.

Stay tuned for more updates on our continuous efforts to enhance expertise in geospatial technologies.

The subsequent two days of the ERODITE Training Event were dedicated to in-depth training on Earth Observation tools, specifically focusing on RADAR-SAR and advanced concepts in remote sensing. Participants gained a comprehensive understanding of remote sensing physics and applications, alongside insights into relevant cloud computing platforms.

The training also encompassed geostatistics, offering valuable skills, and provided insights into open-source tools for seismic risk and vulnerability assessment. Another noteworthy session explored 3D LiDAR technology, emphasizing data processing capabilities and open-source platforms, showcasing intriguing applications.

The final session focused on GNSS technology, particularly emphasizing kinematic positioning. This aspect holds significant relevance for offshore positioning applications, catering to the interests of the petroleum industry in Ouargla and Algeria.

Here are some strategies adopted to address these challenges:

1/ Implicit Bias in STEM

- **Training and Awareness:** Conduct bias-awareness workshops for faculty, staff, and decision-makers to recognize and mitigate unconscious biases tailored for STEM faculty, researchers, and decision-makers.

- **Diverse Recruitment and Evaluation Panels:** Recruitment and assessment conditions based on skills and qualifications: referrals to STEM departments are managed by requirements in the average acquired in technical modules such as maths, physics and science without any bias to ensure a fair assessment of candidates.





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