

ERODITE Newsletter No 5



Earth
Observation
Tools For The Promotion
Of Digital Economy

Jan-June 2024

TRAINING EVENTS

Training events in Algeria

The **ERODITE** 6th Training and Transnational Event took place from **April 22 to April 26, 2024**, in Algeria. The event's primary focus revolves around the critical theme to better cater to students with special needs, particularly emphasizing options within the Erodite platform tailored to accommodate those with visual impairments. Hosted within the esteemed environment of CTS and UABT, this event coincides with the Transnational meeting of the consortium, underscoring the global importance of inclusive education.

Accommodating students with special needs, holds paramount importance in the realm of education for several reasons:

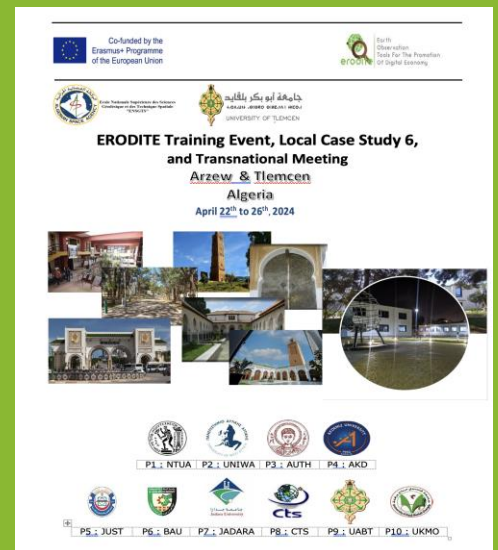
Promoting Inclusivity: By accommodating students with special needs, educational institutions foster an inclusive learning environment where every student, regardless of their abilities, feels valued and supported.

Ensuring Equal Opportunities: Students with special needs can access educational opportunities as their peers, ensuring they can participate fully in learning activities and reach their full potential.

Enhancing Learning Outcomes: Tailoring the learning material to meet the diverse needs of students enhances overall learning outcomes.

Fostering Diversity and Understanding: Inclusive education promotes diversity and encourages understanding and acceptance among students.

Contributing to Societal Progress: Empowering individuals with special needs through education not only benefits the individual but also contributes to societal progress by tapping into a broader pool of talent and perspectives.



The ERODITE project is funded by Erasmus+ "Capacity Building for Higher Education".

TRAINING IN ALGERIA

Training event in Arzew - CTS

The two-day event from 22nd to 23rd April commenced with a dignified opening ceremony, featuring welcoming remarks from esteemed guests. The Director of the CTS/ASAL extended a gracious welcome to all attendees, underlining the significance of the training program. Following this, partner leaders spoke about the importance of the ERODITE project, laying the groundwork for the subsequent training sessions.

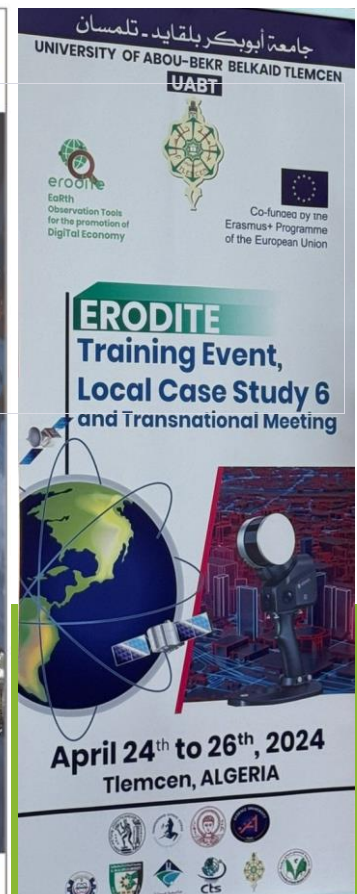
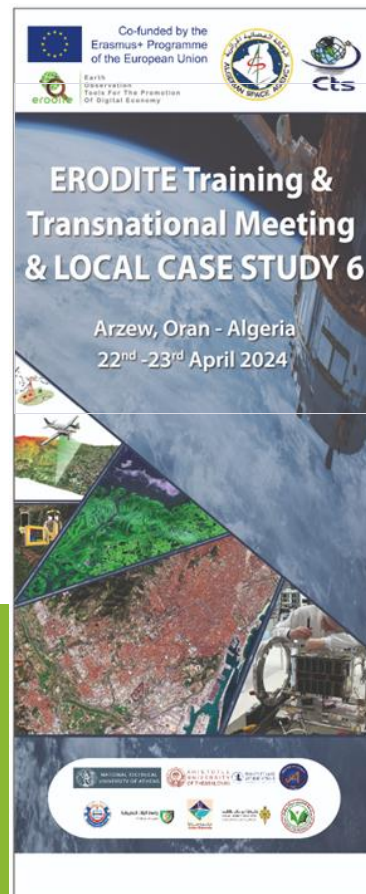
The training sessions kicked off with an enlightening presentation on "Adapting Curriculum to Earth Observation Competencies," led by CTS. This session focused on seamlessly integrating earth observation competencies into educational programs, ensuring that students acquire pertinent skills for the field. Next, NTUA led a comprehensive discussion on "Bathymetry: Hydrographic Survey, Implementation, and Processing," delving into survey techniques, implementation strategies, and data processing methods.

Subsequently, AUTH took the stage to enlighten participants on "Quantum Computing," unveiling its potential applications in earth observation and geospatial analysis. The session provided a captivating exploration of cutting-edge technology's role in advancing research and analysis within the field. Concluding the day's presentations, AKD elucidated "Airborne LIDAR" technology and its diverse applications across various industries, enriching participants' understanding of its utility in modern geospatial endeavors.



On the second day, April 23rd, proceedings commenced with a detailed presentation on "The European GNSS - Galileo" by NTUA. This session offered valuable insights into the European Global Navigation Satellite System (GNSS), known as Galileo, and its wide-ranging benefits for navigation applications. Practical sessions ensued, led by CTS, where participants actively engaged in hands-on field training sessions focused on GNSS technology, emphasizing data collection and navigation techniques.

Additionally, participants benefited from a collaborative effort between CTS and AUTH in a practical "Field Training on 3D Scanner" session. This session provided a comprehensive overview of 3D scanning technology, encompassing data acquisition techniques and processing methodologies. Through interactive and immersive experiences, participants gained invaluable practical skills and knowledge essential for their professional development in the field of earth observation and geospatial analysis.



TRAINING IN ALGERIA

Training event in Tlemcen, UABT

The three-day event commenced on 24th April 2024 with an opening ceremony, where the Rector of UABT delivered a welcoming speech, setting the tone for the day's proceedings. Following this, the joint coordinator talked about the project's objectives and significance. The presentation of UABT followed, introducing the institution and its contributions to the field.

AKD led a session on "Sensor Technology in Remote Sensing," delving into the intricacies of sensor technology and its applications. A brief coffee break ensued, allowing participants to recharge before the next session.

UABT discussed "Adapting Curriculum for Students with Additional Needs," emphasizing the importance of inclusive education. Following this, AKD explored "Space Radiation/Space Weather and Remote Sensing," shedding light on the impact of space phenomena on remote sensing technologies.

AUTH conducted a comprehensive session on "SLAM 3D Scanner Applications and Field Training" in collaboration with "ISTA," providing practical insights into 3D scanning technology and its real-world applications.

On Thursday 25th April, the training sessions continued with a series of presentations and meetings. UABT focused on "Adapting Curriculum to Earth Observation Competencies in UABT," aligning educational programs with earth observation competencies. UNIWA conducted a session via the internet on "Introduction to Digital Constructions, BIM & Digital Twins," introducing participants to digital construction methodologies and technologies. UNIWA continued with a session on "High-Performance Computing & Case Studies with Satellite Data," exploring the role of high-performance computing in satellite data analysis.

After the sessions, the Management Board Committee Meeting was held, followed by a Quality Assurance Committee Meeting led by UABT, ensuring the quality and effectiveness of the training program.

On Friday 26th April, the transnational meeting culminated with an outside field training session, providing participants with practical hands-on experience in the field.

