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MasterOfNewTechnologiesUsingServices

Workshop on Master Of New Technologies Using Services
04th - 07th July, 2022

*University of Technology and Education - The University of Danang
Vietnam*

In the framework of the Erasmus+ Capacity Building MONTUS project, the 13 partners are pleased to meet again onsite in Danang for the 6th Workshop. The goal is to develop cloud computing, big data and artificial intelligence for environmental sciences and to promote its education.

The team members are involved in the creation of courses that will be part of a new master degree in civil engineering at the University of Engineering and Technologies in Hanoi, Vietnam. The project has gone from the steps of the accreditation of the master, to the writing of the syllabus, passing by the organization of thematic and practical workshops applied to the environment as that one. MONTUS delivers practical solutions deployed at three basic levels of cloud computing (infrastructure, platform and deployment) in the partner countries with computer hardware funded by the project and installed in Hanoi, Phnom Penh and Pathum Thani.

One objective of this workshop in Danang is to continue the production of pedagogical resources to implement the master. The finalization of a book describing the issues, the competences to be acquired and the pedagogical approaches to be implemented to support them is at the heart of each work session. The target is to start the publication process of this reference book linked to MONTUS. Key use cases on the different platforms funded by the project are also discussed in order to highlight the potential of effective processing of massive data for environmental sciences on CPU and GPU architectures.

Some project management sessions contribute also to consolidating the administrative and financial aspects and processes related to an European project funded by the

European Union, with theoretical presentations and face to face meetings with project managers from each partner.

This project has at heart to strengthen the links between education, research and environmental engineering. Beyond capacity building in the field of education, our project has the merit of positioning our disciplines into major challenges of contemporary science.

As a reminder, MONTUS is funded by the European Union One million euros in the framework of Erasmus+ Capacity Building. This program supports transnational partnerships between educational institutions and organizations, promoting cooperation and development. MONTUS, funded for 4 years, gathers around the University of Toulouse 2 Jean Jaurès, the National school of architecture (ENSA Toulouse), the International School of Information Processing Sciences (CyU, Pau campus), the University of Ferrara in Italy, the University Brussels Vrije, the Faculty of Engineering and Technology of Vietnam National University (Hanoi), the Hanoi Architectural University, the Nong Lam University of Ho Chi Minh City, the Asian Institute of Technology (AIT - Pathumthani, Thailand), the Walailak University (Nakhon Si Thammarat, Thailand) and two Cambodian institutions in Phnom Penh: the Royal University of Fine Art and the Institute of Technology of Cambodia. Four associated partners joined MONTUS: French Agency of Francophonie (AUF - Asia Pacific, Hanoi), Meteorological Environment Earth Observation (MEEO - Italy), Institute of Agriculture and Environment (IAE, Hanoi) and HUPI cloud computing society (France). In total 60 members have been working for MONTUS for 4 years organizing workshops in Europe and in Asia.







Agenda

Monday, 4th July, 2022

09^h00 to 09^h30	Registration
09^h30 to 10^h00	Opening Ceremonies
09 ^h 30 – 09 ^h 35	Opening Speech of the Project Coordinator (Nathalie Hernandez)
09 ^h 35 – 09 ^h 50	Speech of the Rector of University of Technology and Education (UTE)
09 ^h 50 – 10 ^h 00	Introduction about the workshop's objectives (Nathalie Hernandez)
10h00 to 11h40	Session 1: Introduction to MONTUS
10 ^h 00 – 10 ^h 20	Processes related to the management of the Erasmus capacity building project MONTUS (Lucie Loyon)
10 ^h 20 – 10 ^h 40	Organization for the cookbook sessions
10^h40 to 11^h00	Morning tea break
11 ^h 00 – 12 ^h 00	Session 2: cookbook session Exchanges between the cookbook writers and reviewers
12h00 to 13h30	Lunch Break
13h30 to 15h10	Session 3: cookbook session

13^h30 – 14^h50 Exchanges between the cookbook writers and reviewers
14^h50 – 15^h10 Feedback for the session

15^h10 to 15^h30 Afternoon tea break

15^h30 to 17^h30 Session 4: Platform session – general information (Yannick Le Nir)

Tuesday, 5th July, 2022

09^h00 to 09^h15 Registration

09^h15 to 10^h15 Session 5: Platform session – use cases (Yannick Le Nir, Peio Loubière, Astrid Jourdan)

10^h15 – 10^h45 Morning tea break

10^h45 to 12^h00 Session 6: Platform session – use cases (Yannick Le Nir, Peio Loubière, Astrid Jourdan)

12^h00 to 13^h30 Lunch Break

13^h30 to 18^h00 Session 7:

Project Management Meeting

Face to face meetings with Lucie Loyon for each partner (team leader and project officer)

Cookbook parallel session: correction of the chapters

Wednesday, 6th July, 2022

09^h00 to 09^h15 Registration

09^h15 to 10^h10 Session 8: Project Management Meeting preparation of the final report

10^h10 – 10^h40 Morning tea break

10^h40 to 12^h00 Session 9: panel discussion on key use cases illustrating the master issues

12^h00 to 13^h30 Lunch Break

13h30 to 17h00 Cookbook session: finalization of the chapters

Thursday, 7th July, 2022

09^h00 to 09^h15 Registration

09h15 to 10h10 Session 10: panel discussion on the promotion of the Master

10h10 – 10h30 Morning tea break

10^h50 to 12^h00 Organization of Ferrara Workshop and conclusion

12h00 to 13h30 Lunch Break

13h30 to 17h00 Visiting Da Nang and Hoi An