

**Project Title:**  
**MODERNIZING AGRICULTURAL PRACTICE USING  
INTERNET OF THINGS**

**Project Acronym:**  
**MAPIoT**

**Grant Agreement number:**  
**20-COP-0019**

**Subject:**  
**Agenda for Third Transnational Project Meeting (TPM3)**  
**Sibiu, ROMANIA,**  
**17-19 July 2023**

**Dissemination Level:**  
Public

**Project Coordinator:**  
“Lucian Blaga” University of Sibiu

**Contributors:**  
ULBS/ USN

Revision	Preparation date	Period covered	Project start date	Project duration
V1	July 2023	Month 20-21	01/12/2021	24 Months

This project has received funding from SEE 2014-2022 Grant agreement No 20-COP-0019

## General aspects

1. Remember:
  - a. at each TPM project meeting must attend at least 2 representatives from different companies
  - b. At least a leading or authority person from organizers part (USN in Norway or ULBS in Romania).
2. To be presented and decide how to proceed in some cases:
  - a. Discuss the agenda for Summer School Sibiu 2023
  - b. Present the letter with 5 ECTS for summer school
  - c. Present the format for Certificate of Attendance for the summer school.
  - d. Last updates regarding the MAPIoT project website –  
<http://digifof.omilab.ulbsibiu.ro/psm/content/mapiot/info?view=home>  
Need link from USN to MAPIoT project and conversely.
  - e. Present the 5 applications (need only 4, 2 RO and 2 NO) on the project theme to represent **“IO2 - Digital platform for transferring digital skills, knowledge and technologies from Computer Science domain toward Agriculture, Food Processes and Safety domain”**.  
Deadline for implementation, uploading etc. 01.12.2021-01.09.2022
    - i. Supervising and controlling White Wines Fermentation Parameters Evolution – App1  
(<http://digifof.omilab.ulbsibiu.ro/psm/content/sacwwfpe/info> )
    - ii. IoT System for Irrigating and Monitoring a Thuja Conifer Nursery – App2  
(<http://digifof.omilab.ulbsibiu.ro/psm/content/imten/info> )
    - iii. Modelling and Simulation of an Automated System in an Agricultural Warehouse  
(<http://digifof.omilab.ulbsibiu.ro/psm/content/msasawa/info> )
    - iv. Digital design of food manufacturing processes  
(<http://digifof.omilab.ulbsibiu.ro/psm/content/ddfmp/info> )
    - v. AI, an essential tool for control process in food engineering education  
(<http://digifof.omilab.ulbsibiu.ro/psm/content/aitool/info> )
  - f. Populating the MAPIoT project website with the basic and secondary activities:
    - i. TPM3
    - ii. Summer schools 2023
    - iii. Multiplier Events: Hackathon, visits at companies, from 2023 etc.
  - g. Start to work at **Final report** - Deadline **31.01.2024**
    - i. Budget – second tranche was done (payment from ULBS to USN in 26.05.2023, ULBS received money in 03.04.2023)

3. TO DO in the summer school:
  - a. Signing the list of participants to the TPM 3  
(4. Lista\_participanti\_TPM\_3 Sibiu.docx)
  - b. The detailed agenda of the discussions and any other documents  
(required to be) distributed at the meeting  
Lista\_participanti\_ME 2.docx  
Lista\_participanti\_ME 2 - externi.docx
  - c. Any international mobility is accompanied by medical insurance
  - d. All documents proving a payment (contracts, invoices, payment documents, etc.) will be marked “**Decontat din contractul nr. 20-COP-0019, finanțat din Granturile SEE 2014-2021**”.
  - e. Discussion about update activity from **Actions List** and **Scorecard indicators** for measuring the MAPIoT QA including summer school selection & document, roll-up.
  - f. Discussion about the proposed QA for summer school
  - g. Discussion about the update of prepared courses for summer school
  
4. Management activities developed
  - a. Meetings between ULBS and USN coordinators (A. Florea & L. Berntzen) after TPM2
    - i. Face to Face meeting in Sibiu in 29-30.09.2022 - Sibiu at SID2022
    - ii. Face to Face meeting in Sibiu in 16-17.11.2022 Sibiu
    - iii. Face to Face meeting in Sibiu in 05-07.04.2023 Sibiu
    - iv. Online meeting in 15.04.2023 about preparation the Summer School 2023 in Sibiu
  
  - b. Conferences and articles
    - i. Publish the article “Digital Farming Based on a Smart and User-Friendly IoT Irrigation System: A Conifer Nursery Case Study”, Adrian Florea, Daniel-Ioan Popa, Daniel Morariu, Ionela Maniu, Lasse Berntzen, Ugo Fiore, Journal Title: IET Cyber-Physical Systems: Theory & Applications, <https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/cps2.12054>
    - ii. publication of the article written by Lasse Berntzen, Adrian Florea "Design Thinking Applied to the Internet of Things - A Project on Technological Innovation in Agriculture and Food Processing", ICDS 2022, The Sixteenth International Conference on Digital Society, Porto, Portugal, 26-30 June 2022, pp. 44-49, ISSN: 2308-3956 full article in Thinkmind Digital Library
    - iii. Lasse Berntzen was a Keynote speaker at “The Sixteenth International Conference on Digital Society ICDS 2022 26 - 30 June 2022 - Porto, Portugal, <https://www.iaria.org/conferences2022/ProgramICDS22.html>, in K2. Safe and Secure Cities with presentation:

[https://www.iaria.org/conferences2022/filesICDS22/LasseBerntzen\\_Keynote\\_SafeAndSecureCities.pdf](https://www.iaria.org/conferences2022/filesICDS22/LasseBerntzen_Keynote_SafeAndSecureCities.pdf)

- iv. Accepted an article "The Role of Aggregators and Hubs in Collaborative Prosumer Networks", having authors Lasse Berntzen and Adrian Florea at PRO-VE 2023, 24th IFIP / Socolnet Working Conference on Virtual Enterprises, Valencia, Spain, 27-29 September 2023.
- v. Planning of next activities for people / types of packages (large categories)
- c. Setting further virtual meeting for developing the final report