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„GEORGE EMIL PALADE”
DIN TÂRGU MUREȘ



**The Education, Scholarships, Apprenticeships
and Youth Entrepreneurship Programme – EEA
Grants 2014-2021**

Project No:21-COP-0038

Project Title: Innovative methods needed by teaching
and research staff for AI data analysis and processing

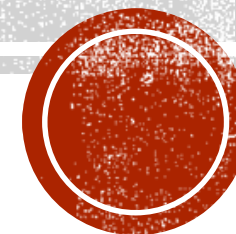
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SEMINAR

MEDICAL DATA PROCESSING WITH AI

Târgu Mures

27.01.2023



Disclaimer:

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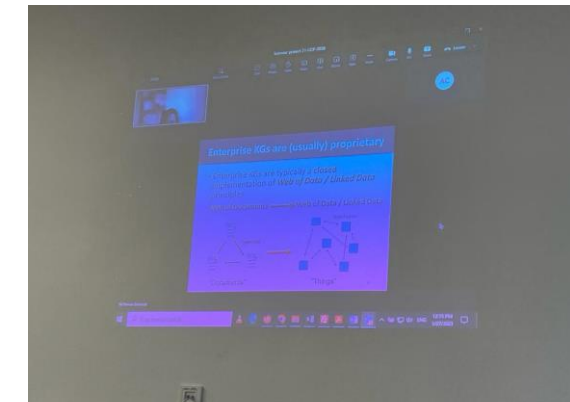
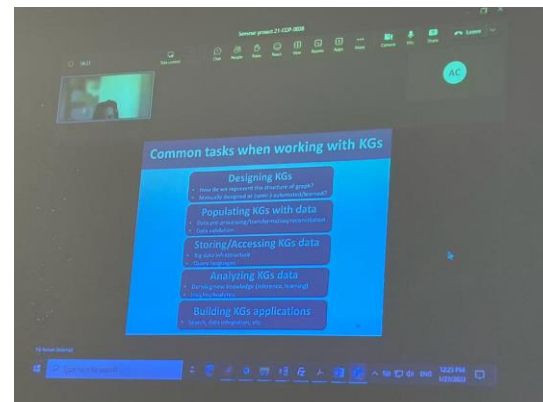
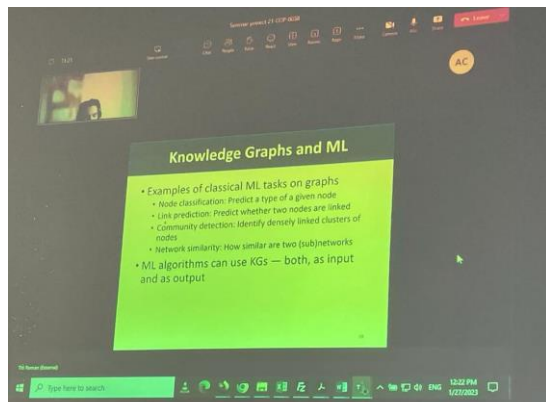
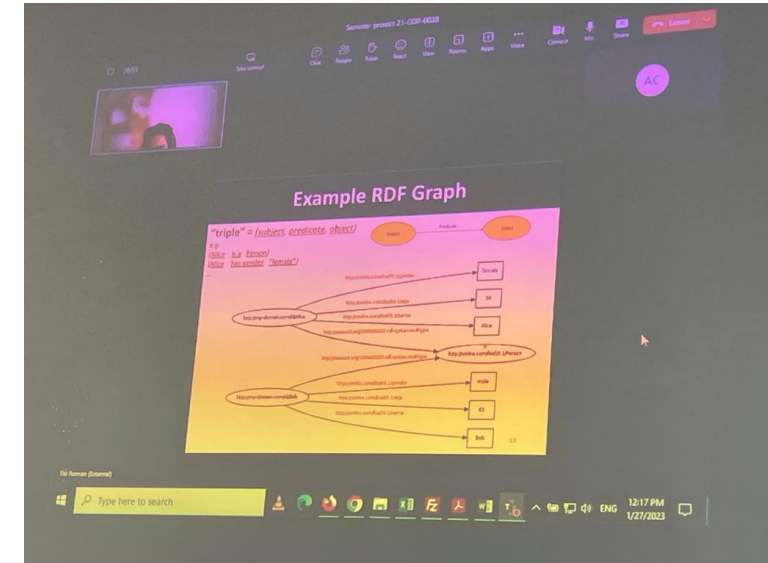
AGENDA OF THE EVENT

- 10⁰⁰ – 10³⁰ Prezentarea proiectului – Avram Calin *UMFST*
- 10³⁰ - 12³⁰ Knowledge Graphs and Data Enrichment – Dumitru Roman *SINTEF*
- 12³⁰ – 13⁰⁰ Coffee break
- 13⁰⁰ - 14³⁰ Medical data processing – Nyulas Victoria *UMFST*
- 14³⁰ - 15⁰⁰ Coffee break
- 15⁰⁰ – 16³⁰ Data processing using MATLAB – Avram Calin *UMFST*
- 16³⁰ - 17⁰⁰ Coffee break
- 17⁰⁰ – 18⁰⁰ Discussions, Questions, Conclusions



Knowledge Graphs and Data Enrichment

- **Linked Data, Semantic Knowledge Graphs**
- **Example RDF Graph**
- **Logical entailment with Linked Data**
- **Graph Algorithms**
- **Knowledge Graphs and ML**
- **Opportunities for combining KGs and ML**
- **Data enrichment with Knowledge Graphs**



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Data processing using MATLAB

- Preparation of medical data
- Data visualization in MATLAB
- Statistical analysis using MATLAB
- Making predictions with AI algorithms
- Using the tools in MATLAB

