ENPADASI Hackaton meeting

WORK PACKAGE 3: DESIGN AND DEVELOPMENT
WP LEADER: ROSARIO LOMBARDO

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DISCUSSION POINTS

- Technical analysis of R OPAL package in order to prepare a PhenotypeDB implementation able to respond to DataShield as OPAL does (lead developer: Ferry)
- DASH-IN Integration of metadata from PhenotypeDB and MICA
  - ENPADASI R package that is able to fetch MICA metadata through its REST API and from Phenotype DB to be merged and used as needed (specifications needed, lead developer: Ferry)
  - Harmonization of metadata can be improved using Ontology IDs: investigate whether it is possible to create custom Metadata fields in MICA to store the very same PhenotypeDB ontology terms (Niels, Ferry, Francesco)
- User Survey UI T3.4 – involved partners (in yellow who is present at the discussion)

<table>
<thead>
<tr>
<th>Ghent University - Faculty of Medicine - Department of Public Health De Henauw Stefaan (NIELS): Harmonized data in OPAL &amp; MICA basic metadata</th>
<th><a href="mailto:stefa.dehenauw@ugent.be">stefa.dehenauw@ugent.be</a></th>
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<tbody>
<tr>
<td>The Microsoft Research - University of Trento Centre for Computational and Systems Biology Rosario Lombardo: Online user survey system</td>
<td><a href="mailto:lombardo@cosbi.eu">lombardo@cosbi.eu</a></td>
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<td>Bio-Competence Centre of Healthy Dairy Products (BioCC) Andre Veskioj: _______</td>
<td><a href="mailto:aveskloja@gmail.com">aveskloja@gmail.com</a></td>
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<td>National Institute for Health Development (NIHD) - Department of Surveillance and Evaluation Eha Nurk (ANU/MARITE): Phenotype DB with screenshots from Miriam’s Videos</td>
<td><a href="mailto:eha.nurk@tai.ee">eha.nurk@tai.ee</a></td>
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<tr>
<td>University of Copenhagen - Dept. Nutrition, Exercise and Sports Lars Ove Dragsted (FINN): OPAL</td>
<td><a href="mailto:dra@nexs.ku.dk">dra@nexs.ku.dk</a></td>
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<td>CIBER OBN - Instituto de Salud Carlos III Dolores Corella: ____________</td>
<td><a href="mailto:Dolores.corella@uv.es">Dolores.corella@uv.es</a></td>
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<tr>
<td>Technische Universität München - Molecular Nutrition Unit: Kurt Gedrich: ____________</td>
<td><a href="mailto:KGedrich@tum.de">KGedrich@tum.de</a></td>
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CONCLUDING REMARKS

• What data should be queried and how

• Which questions we want to ask for
  • Intervention studies
  • Observational studies
  • Combination of the two (harmonization may be required)

The Hackaton activities shown that

➢ We have a working technical infrastructure (non-major extensions needed)

➢ The infrastructure is lacking in case studies and datasets that would allow the development of effective federated analyses of actual shared data