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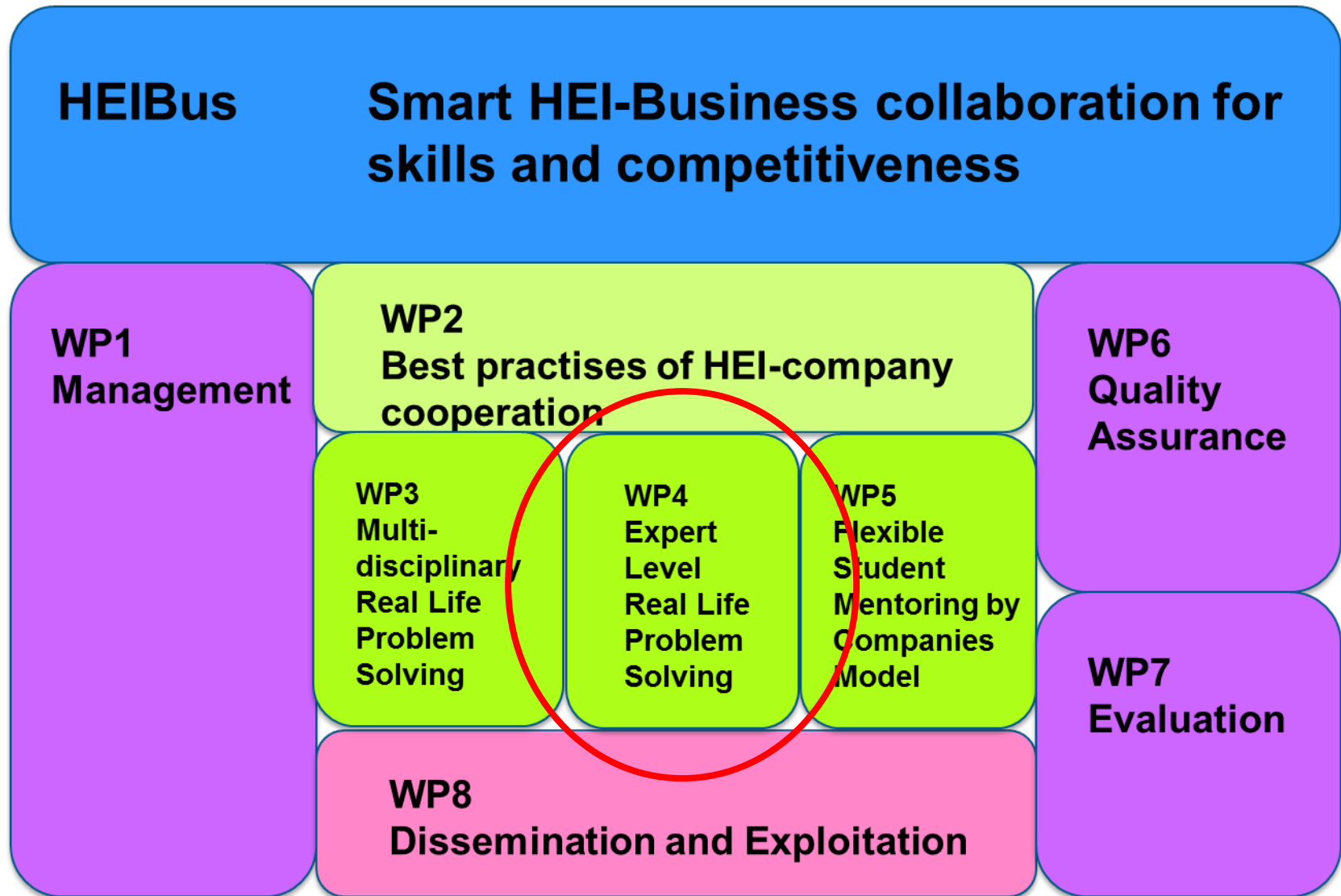


# Experiences of Real Life Problem Solving by Higher Education Institute Experts

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# HEIBus Project - Work Packages



# WP4 Expert Level Real Life Problem Solving

- The aim of **Expert Level Real Life Problem Solving (EXPERT)** is to build and pilot a new cooperation model between HEI experts and companies.
- In EXPERT projects companies introduce a real life problem to be solved by a team of experts from HEIs (researchers, teachers) and companies.
- Compared to the RLPS of student level, the companies can bring more complex problems to be solved at the expert level.
- Companies can utilize multidisciplinary and international expert services of HEIs more efficiently.



# HEIBus Full Partners

## Full High Education partners of HEIBus

- JAMK University of Applied Sciences (JAMK, P1), Finland
- Technical University of Cluj-Napoca (TUCLUJ, P2), Romania
- University of Miskolc (ME, P3), Hungary
- Esslingen University of Applied Sciences (HE, P4), Germany
- University of Jaen (UJA, P5), Spain

## Full Companies partners of HEIBus (size)

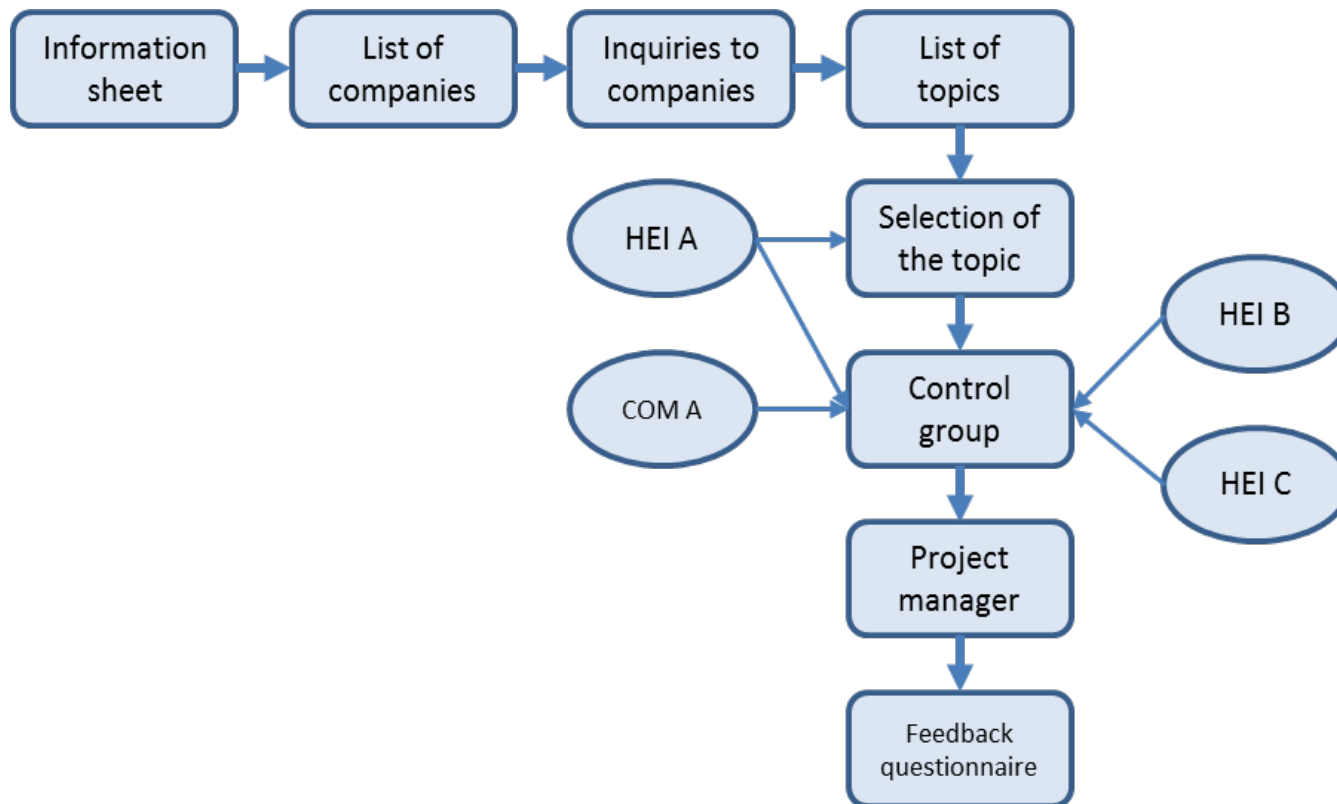
- ITAB Shop Concept Finland (P6), Finland (small)
- SC PRO Tehnic (P7), Romania (small)
- SC Automates ACM SRL (P8), Romania (small)
- Electrolux (P9), Hungary (large)
- Robert Bosch Power Tool (P10), Hungary (large)
- Stoebich (P11), Germany (large)
- Valeo Lighting Systems (P12), Spain (large)



# WP4 Process Model

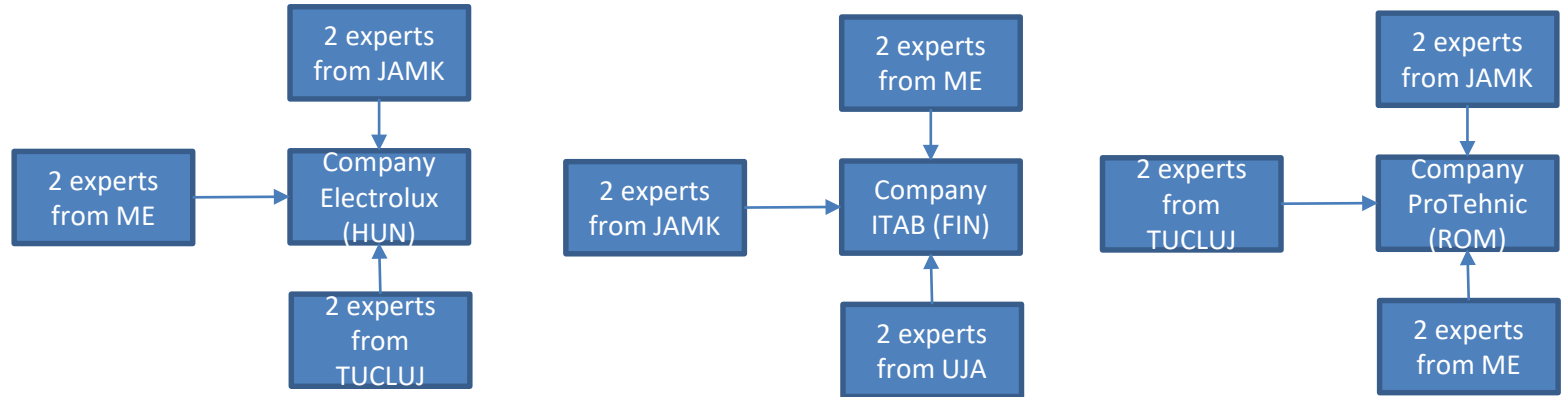


# WP4 Preparation of the Pilot Projects

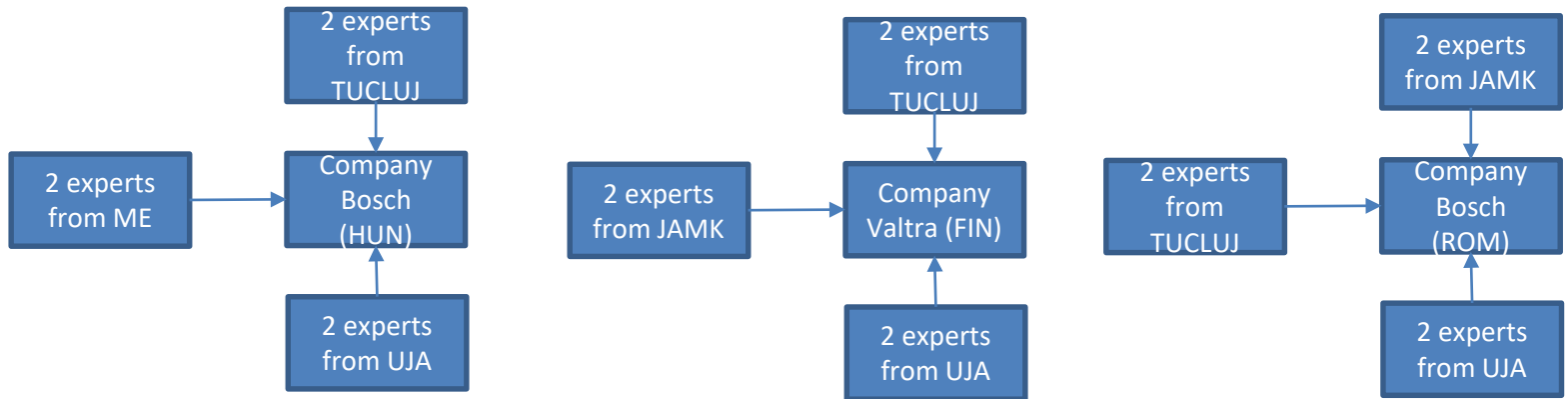


# WP4 Pilot Projects

1<sup>st</sup> round  
projects 2018



2<sup>nd</sup> round  
projects 2019



# WP4 1<sup>st</sup> Round Pilot Project Topics

## ITAB Shop Concept Finland Oy Pilot Project

**Project topic: Inventory management by smart fittings**

## Electrolux Lehel Ltd. Pilot Project

**Project topic: Developing a pipe air flow resistance measuring device for vacuum cleaner pipes**

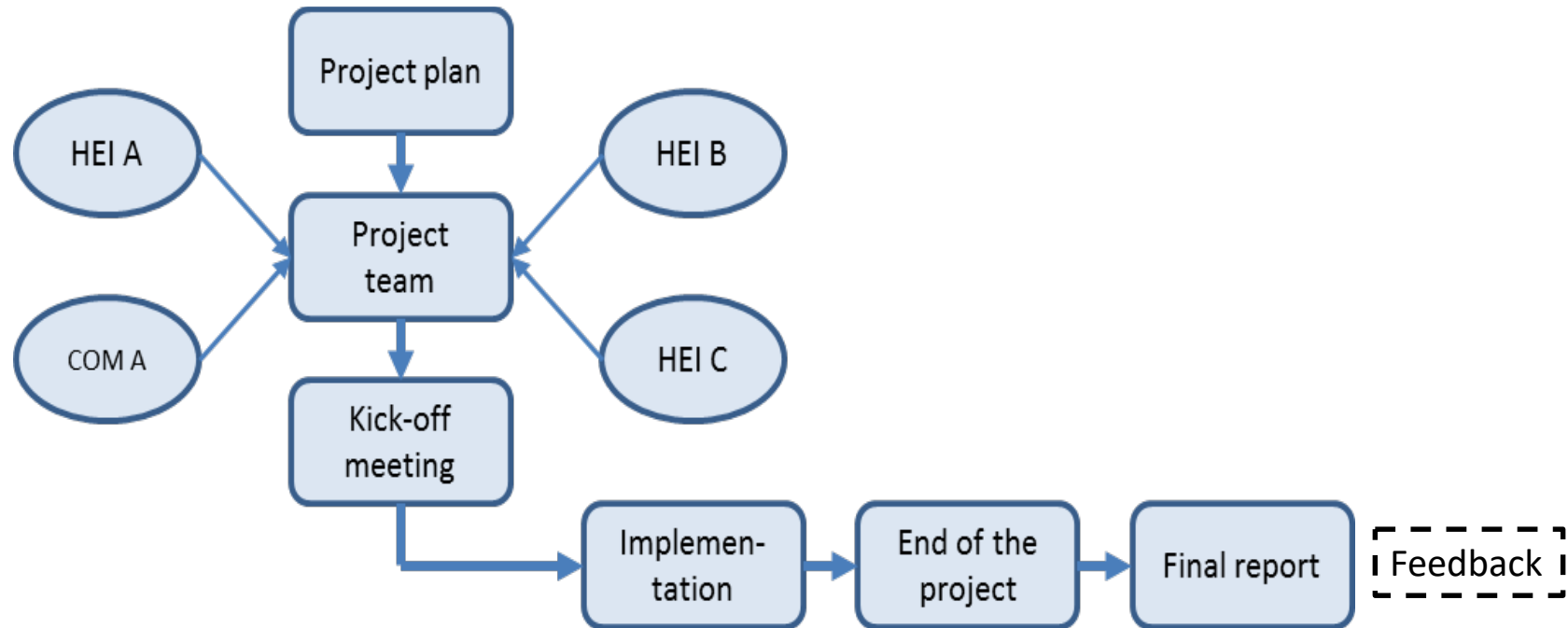
## SC ProTehnic Pilot Project

**Project topic: Implementing IoT and lifecycle management in photovoltaic area**



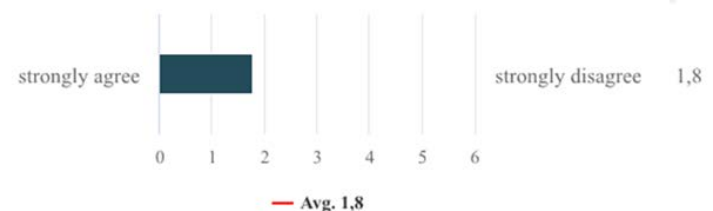
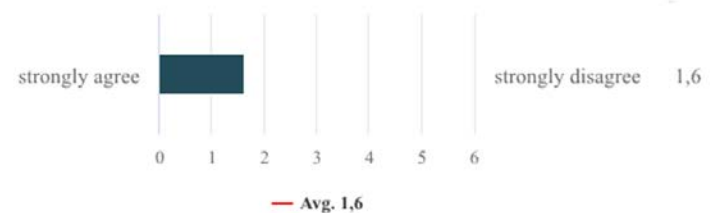
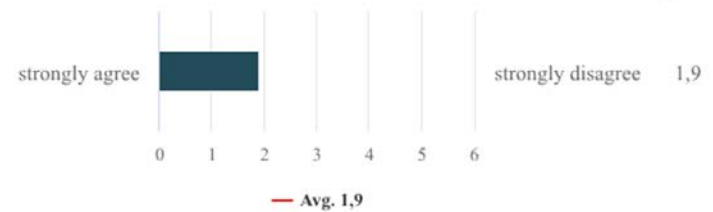
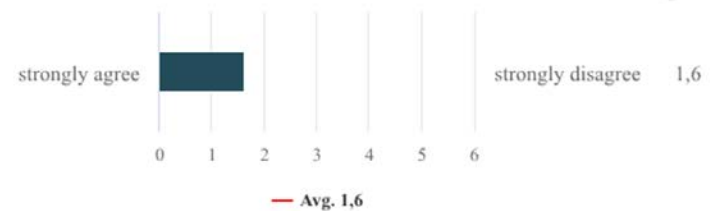


# WP4 Implementation of the Pilot Projects



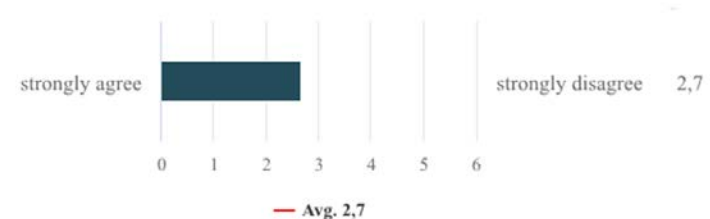
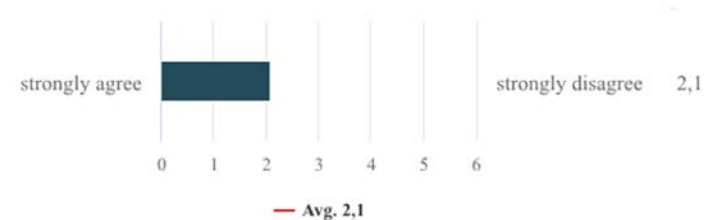
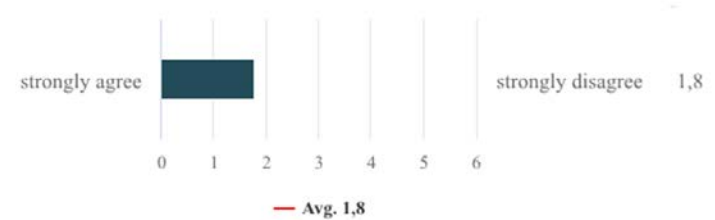
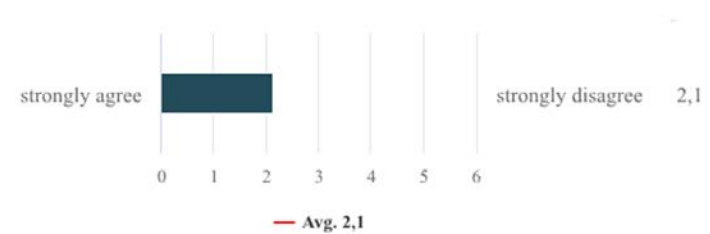
# WP4 Feedback of the 1<sup>st</sup> Pilot Projects

- The objectives of the project were clear
- The topic was suitable for my expertise area
- The kick-off meeting gave enough information for implementation of the project
- The kick-off meeting was effective



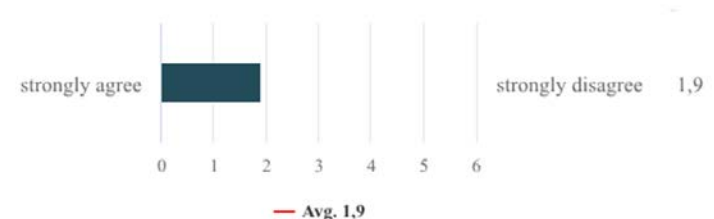
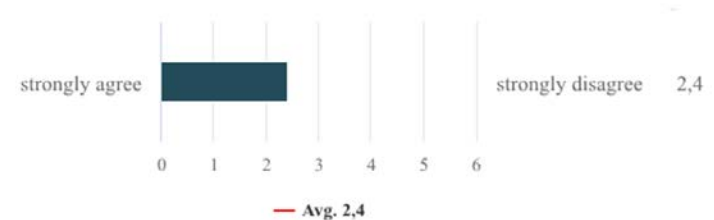
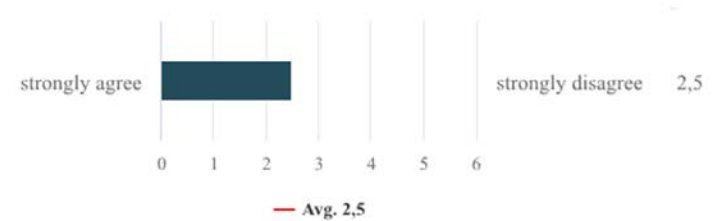
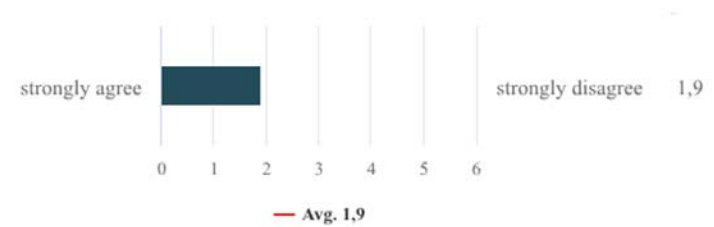
# WP4 Feedback of the 1<sup>st</sup> Pilot Projects

- There was enough time for face-to-face meetings during the start of the project
- The project plan was good
- There were enough contacts/meetings of the project group after the start of the project
- The meeting times could be easily scheduled



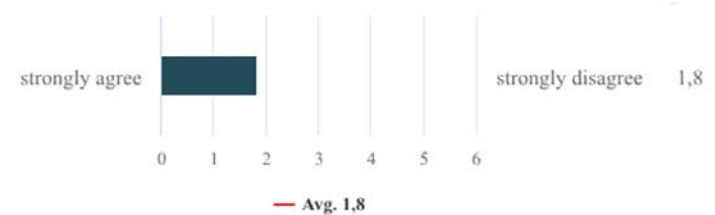
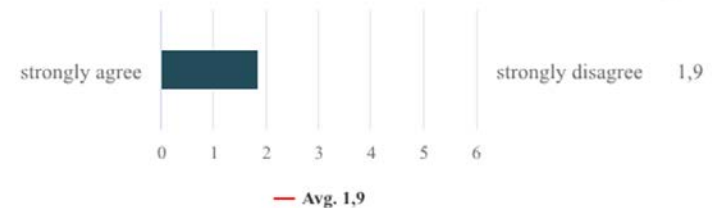
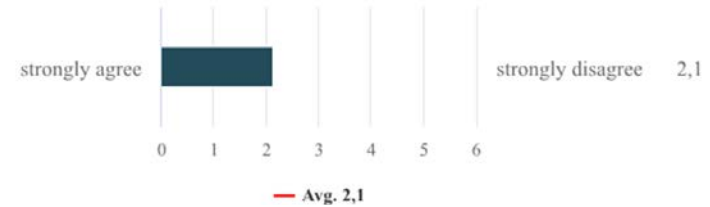
# WP4 Feedback of the 1<sup>st</sup> Pilot Projects

- Cooperation in the project group was good
- The workload was equally shared between the experts
- Final meeting at the end of the project was effective
- In my opinion, the objectives of the project were achieved



# WP4 Feedback of the 1<sup>st</sup> Pilot Projects

- I had enough resources (work hours) for the project
- The project group consisted all the needed expertise areas
- I would like to take part to this kind of project also in the future
- I will recommend participation in this type of project to my colleagues



# Conclusions

- The companies were mainly satisfied with the cooperation model and the results of the pilot projects
- The feedback of the first pilot projects is very positive
- Development needs:
  - Expertise areas of the projects
    - Finding the suitable experts → the workload can be shared equally
  - Project management
    - Good project manager
  - Meetings of the projects
    - Good planning of the kick-off meeting
    - Agreeing on the other project meetings (also the final meeting) already at the beginning of the project
    - Selecting the proper communication ways
- It seems that it is important that the kick-off meeting is a face-to-face meeting but for the other meetings virtual methods can be used
- Further activities: The 2<sup>nd</sup> round pilot projects → An action plan on how to widen the Expert Level Real Life Problem Solving outside the partner team



# HEIBus Project



Miskolc – HEIBus Kick Off Meeting

# Thank you!



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