

# Solution package 1:

Digital infrastructures and  
ICT solutions

## SP1 Solutions, challenges and learnings

### Session Summary

During the first session of the SP1 Community of Practice, ASCEND partners representing Lyon (FR), Munich (DE), Charleroi (BE), Budapest (HU), Prague (CZ) and Porto (PT) presented their PCEDs digital solutions. Interventions focused on data availability and accessibility, data visualisation platforms and digital infrastructures for collecting and treating data.

### Resources

- Five PCED Books: Implementation status report – M12. ASCEND. 2024.
- Lyon PCED roadmap report. ASCEND. 2023
- Munich PCED roadmap report. ASCEND. 2023.

### Common Challenges

- **Data availability and accessibility:** Data is needed to enable informed decision-making and seamless integration. Nevertheless, most partners are still facing legal and technical challenges in collecting the quantity and quality of necessary data.
- **Definitions:** When talking about digital solutions some terms are used for very different things among partners. We need standard definitions to these terms to ensure clear communication, interoperability, and consistent implementation.

### Main Takeaways

- The governance and local legal frameworks of each PCED strongly impacts the implementation of digital solutions. For instance, depending on the local governance scheme, data will be available, accessible and exploitable by the project partners or not, dictating the possibilities and the local challenges.

### Quote

*The exchange is very interesting as it allows us to see the struggles across cities with quite different PCED goals and starting points. One can observe how ensuring compliance with domestic data privacy regulations, deploying physical assets for monitoring and ensuring access to high-quality data take more time and effort than initially planned. Thus, Communities of Practice play an important role as means to learn through exchange, avoid common hurdles, and find "shortcuts" around them.*

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