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Implementing the DDI-CDI Process Model for Describing Data Integration: Insights from the EOSC Future Science Project “Climate Neutral and Smart Cities”

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The “Climate Neutral and Smart Cities” Science Project contributes significantly to the European Open Science Cloud (EOSC) Future Project by showcasing cross-domain data integration using the new DDI-CDI metadata specification. This presentation demonstrates the use of the DDI-CDI Process Model, which offers a standardized approach to comprehensively describe data lineage and integration processes. This helps researchers understand the complexity of the integrated data and the resulting variables.

The presentation focuses on a specific facet of the DDI-CDI Process Model, breaking down individual process steps with designated purposes and distinct input/output parameters. This approach emphasizes the process sequence rather than the entire DDI-CDI process model.

Furthermore, we introduce a prototype tool that not only demonstrates the use for researchers but also facilitates universal understanding of the DDI-CDI process description. Additionally, we address limitations of the DDI-CDI model identified during the process tool implementation, which prompted updates by the DDI-CDI working group.

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