

连城 (Lián Chéng)

A Scientific Data and Workflow Sharing System Stéphane Bressan

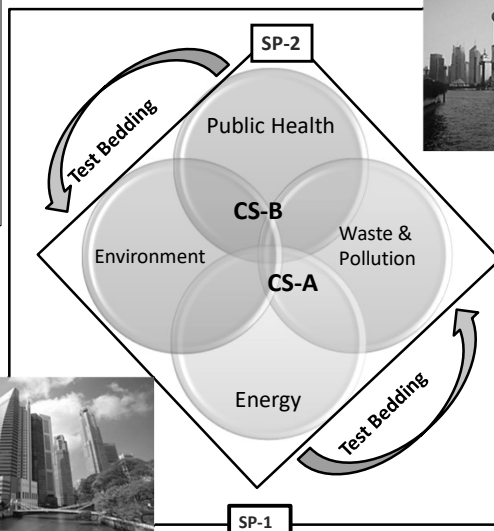
This research programme is funded by the National Research Foundation Singapore under its Campus for Research Excellence and Technological Enterprise (CREATE) programme.

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Energy and Environmental Sustainability for Megacities

CS-A: Waste management in megacities for sustainability and energy recovery

CS-B: Challenges of emerging contaminants on environmental sustainability in megacities



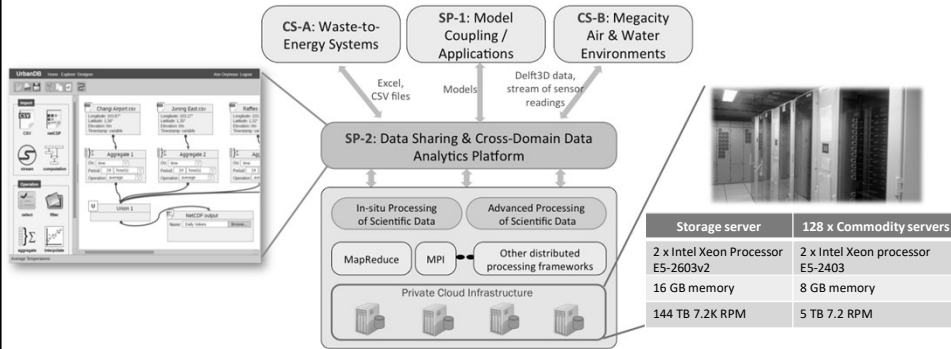
SP-1: Mission-oriented system models for megacity sustainability

SP-2: Cloud-based urban sensing and data management

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A Scientific Data and Workflow Sharing and Analytics System
(code name UrbanDB)



E2S2-SP2

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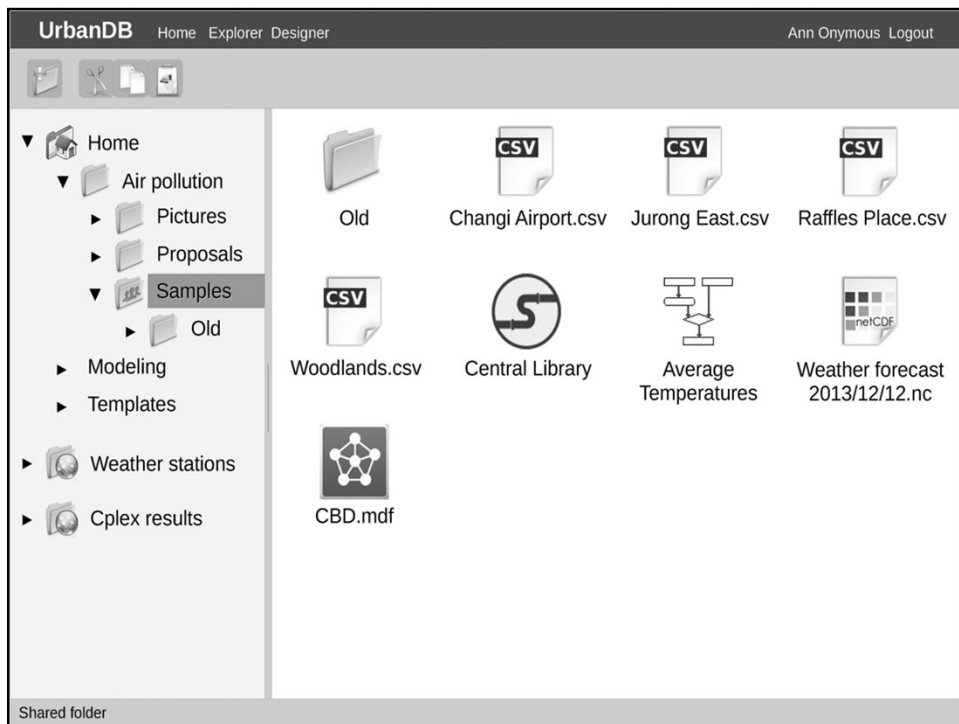
Example Applications

- Sensing: Phosphate monitoring system with wireless capabilities
- Analytics and Simulation: Modeling and analysis of emerging contaminants
- Optimization: Waste management modeling and optimization
- Optimization: Weather routing, energy efficiency and emission reduction

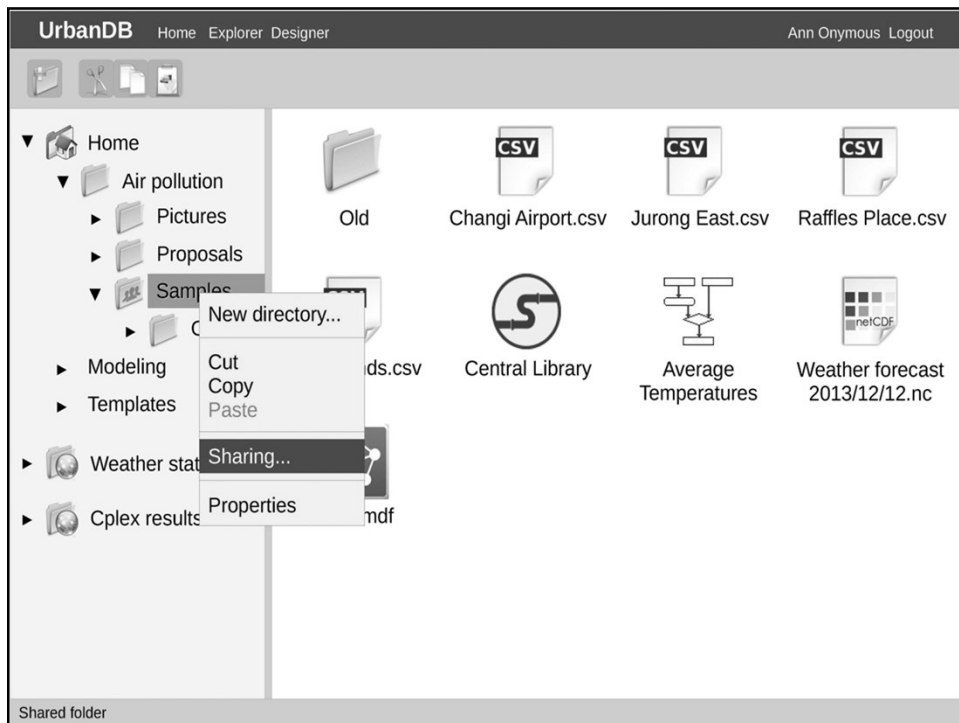
E2S2-SP2

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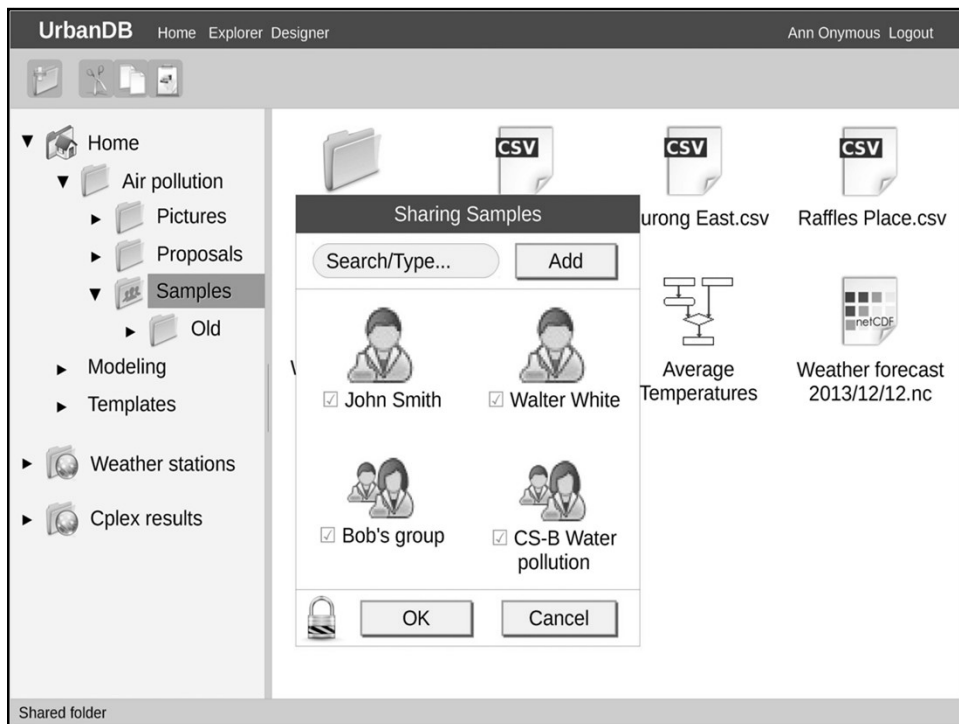
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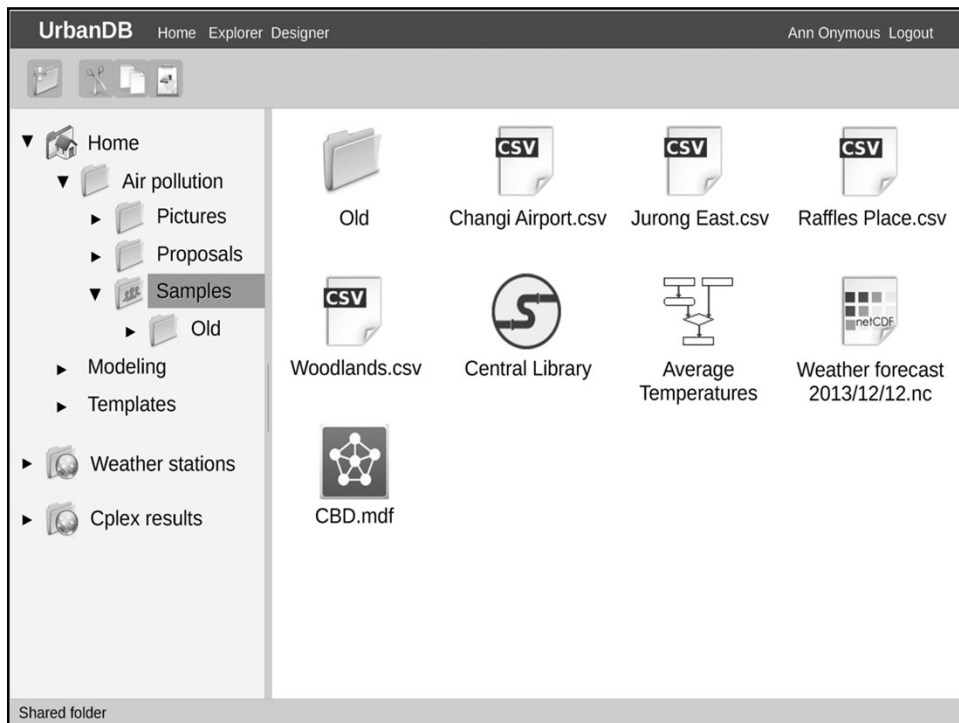
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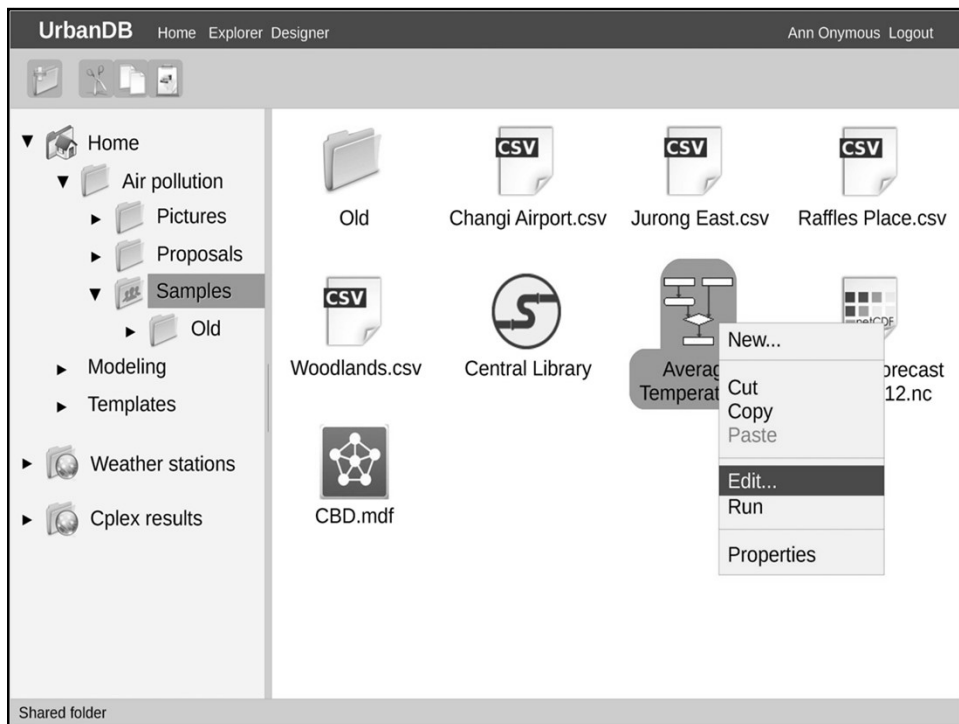
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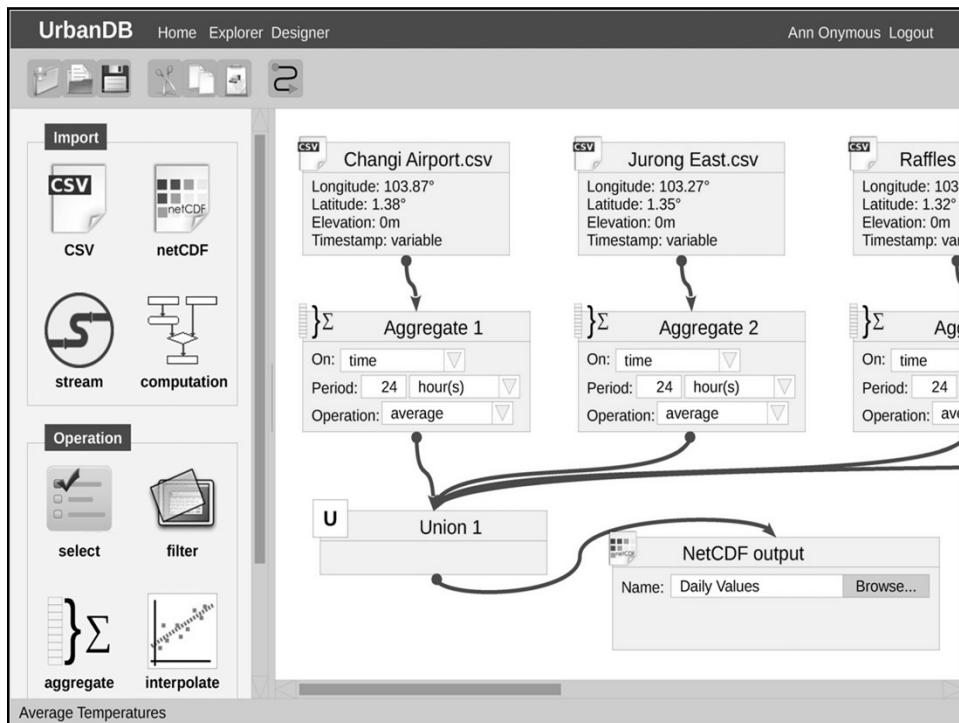
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