

Federated EA Model Management

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1. Federated EA Model Management

What are current problems in EA model maintenance?

N=125, 2013

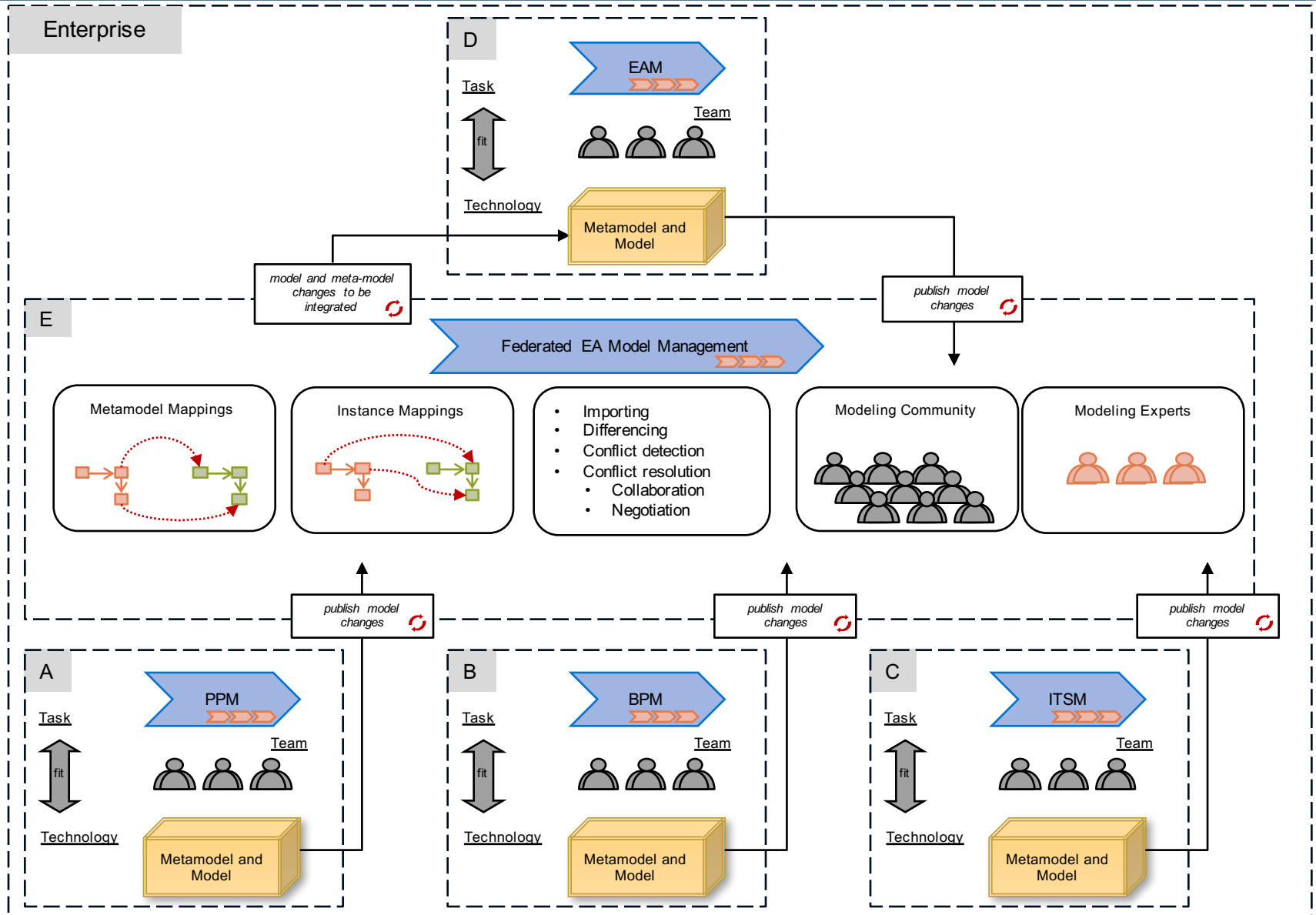
Challenge	n	% of all
Huge data collection effort	77	55.00%
Low EA model data quality	77	55.00%
Insufficient tool support	48	34.29%
No management support	44	33.43%
Low return on investment	36	25.71%
Other	32	22.86%
No specific challenge	10	7.14%

Type of collection	n	% of all
Manually from applications/databases	95	76.00%
Manually via interviews	85	68.00%
Manually modeled in workshops	66	52.80%
Manually via questionnaires	46	36.80%
Partially collected automatically	44	35.20%

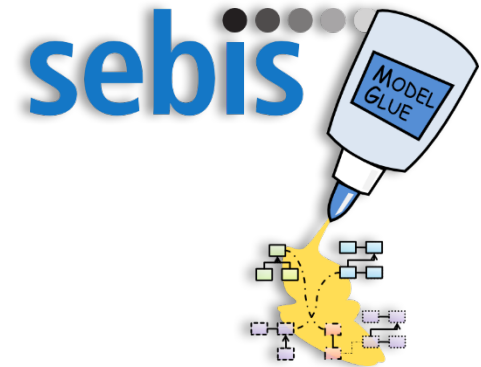
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Federated enterprise architecture model management

Modeling communities, artifacts, processes and their interactions



1. **Import** of different models in a metamodel-based EA tool
2. **Synchronization** via model merging
Provide means to identify model elements within the originating information source
3. **Conflict detection** during merge operation
 - Instance conflicts
 - Schema conflicts
 - Schema/instance conflicts
4. **Collaborative conflict resolution**
Fine-grained access control is employed to find the organizational role in a chain of responsibility
5. **Customizable conflict resolution strategy**



Thank you for your attention. Questions?



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