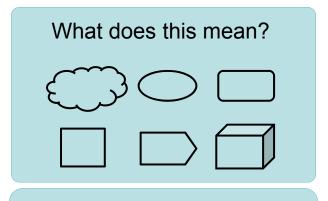
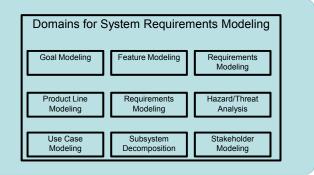
Towards a Unified Requirements Modeling Language (URML)

Brian Berenbach, Jonas Helming, Maximilian Koegel, Florian Schneider, Michael Haeger, Christine Kaminski, Bernd Bruegge





Problems in RE for Systems

Environment:

Who should pay for it?

3.Which features have unresolved dangers?

- Multiple Disciplines
- Multiple Experts
- Interdisciplinary Collaboration

Existing RE Modeling Solutions:

- No Inter-domain Traceability
 - Separation of concerns
 - Manual Traceability overhead
- No Inter-domain Comprehensibility
 - Low Usability, Poor visual Design
 - Tailored to specific domain experts

Solutions

- Inter-domain Traceability
 - Unified Model
 - Explicit Meta-Model
 - Semantics allowing for Model Checking
 - Well-defined Traceability Links
 - Covering multiple Domains
- Inter-domain Comprehensibility
- Visual Language
- Interdisciplinary Usability
- Design following visual paradigms
- Evaluation based on focus groups

