



Web Mashup & Metadata Scripting Language (WMSL)

Marwan Sabbouh, Ph.D.

781-271-2986

ms@mitre.org

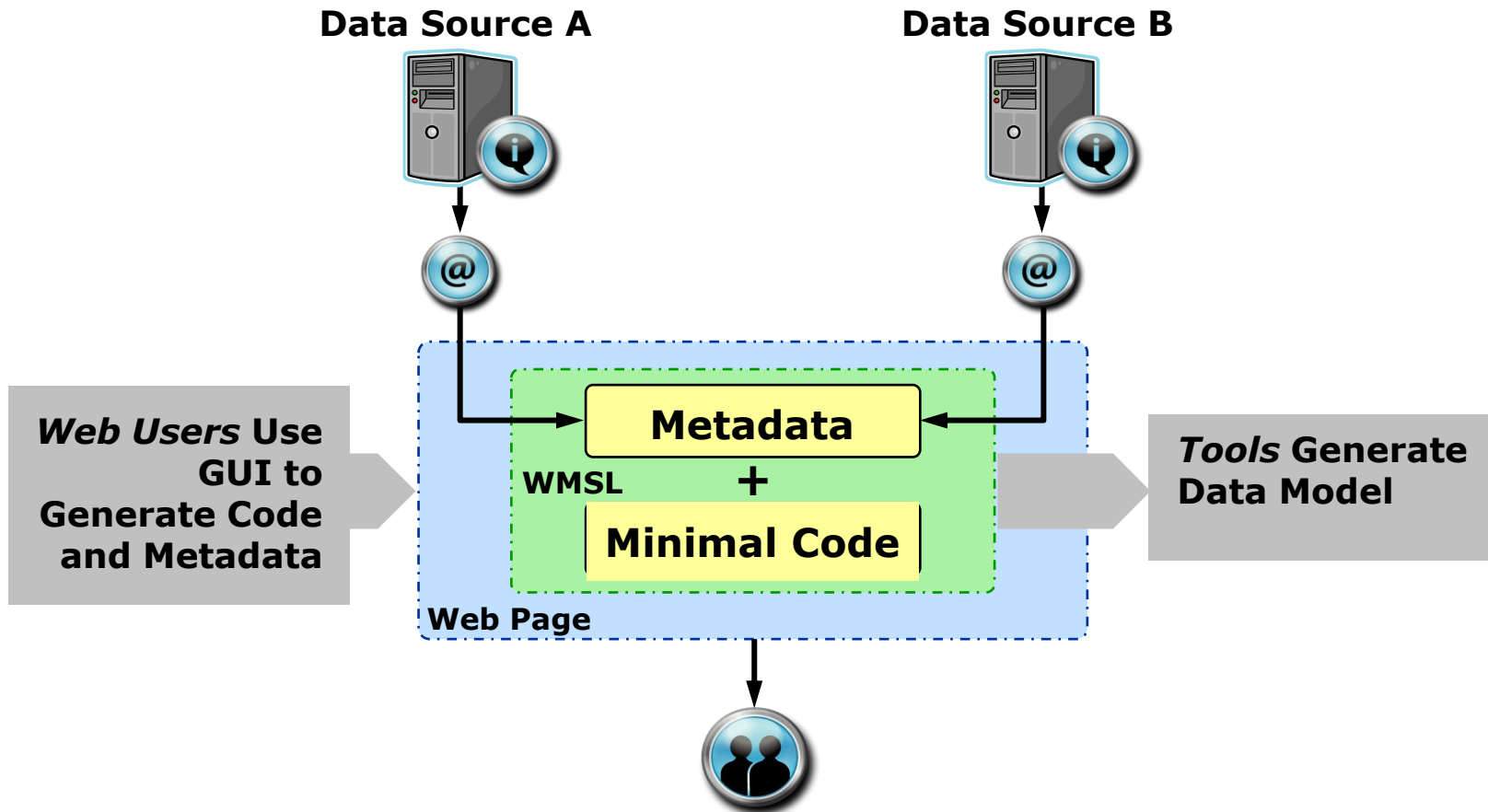
Exploratory MSR

Problem



- **No unified approach for the generation of code and metadata**
- **Mashup editors do not provide for automated mediation between XML schemas**

Background



Objective

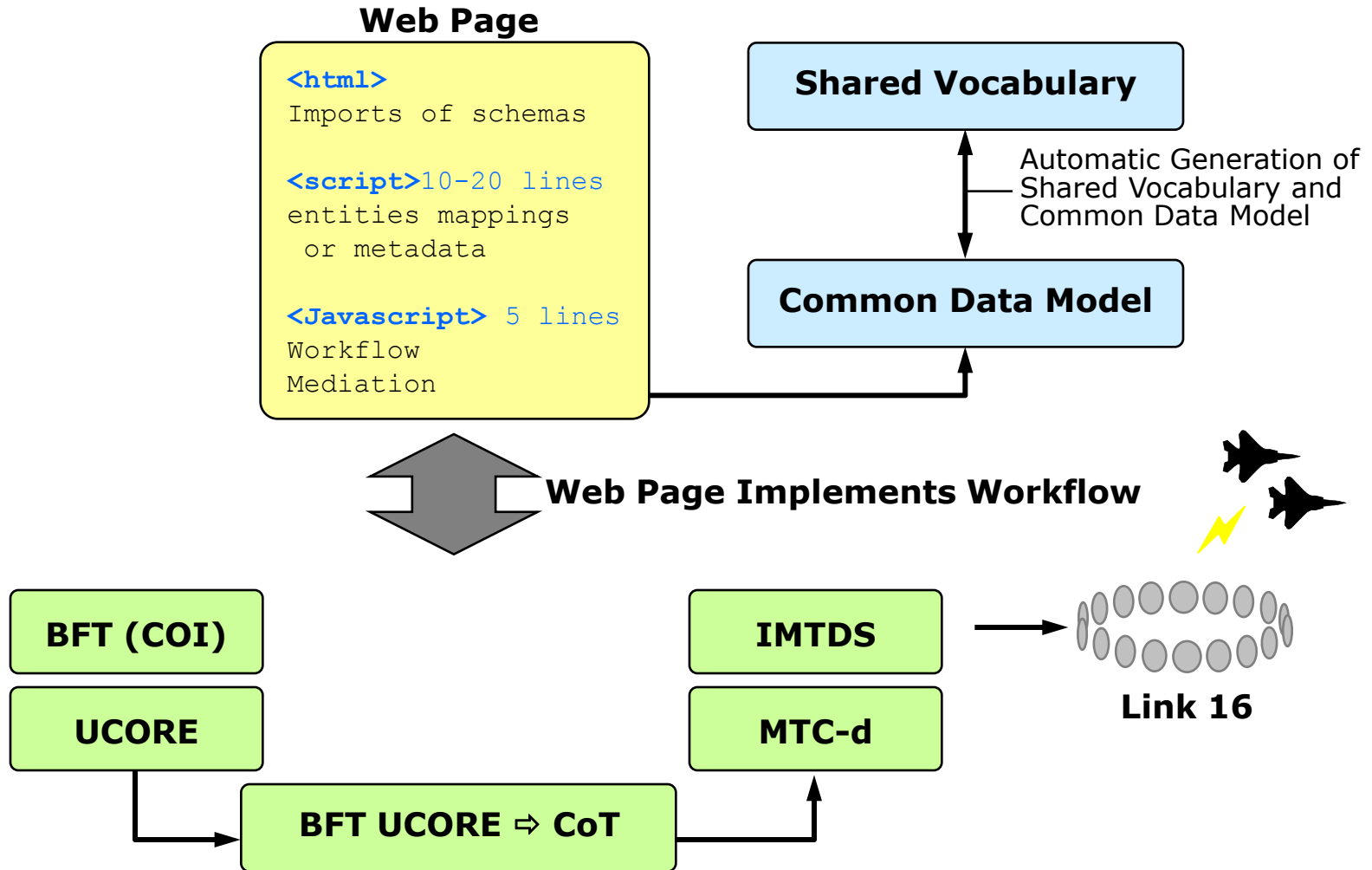
- **Develop and prototype novel programming paradigm that combines mapping relations, JavaScript, and HTML**
- **Demonstrate automated mediation *by web users* from mapping relations**
 - **Demonstrate the automated generation of mediation schema from mappings between legacy schemas *by web users***
 - **Demonstrate automated generation of an XSLT that achieves translation between instances**
- **Prototype a Mashup Editor that allows for the generation (and reuse) of mashup code and metadata**

Activities

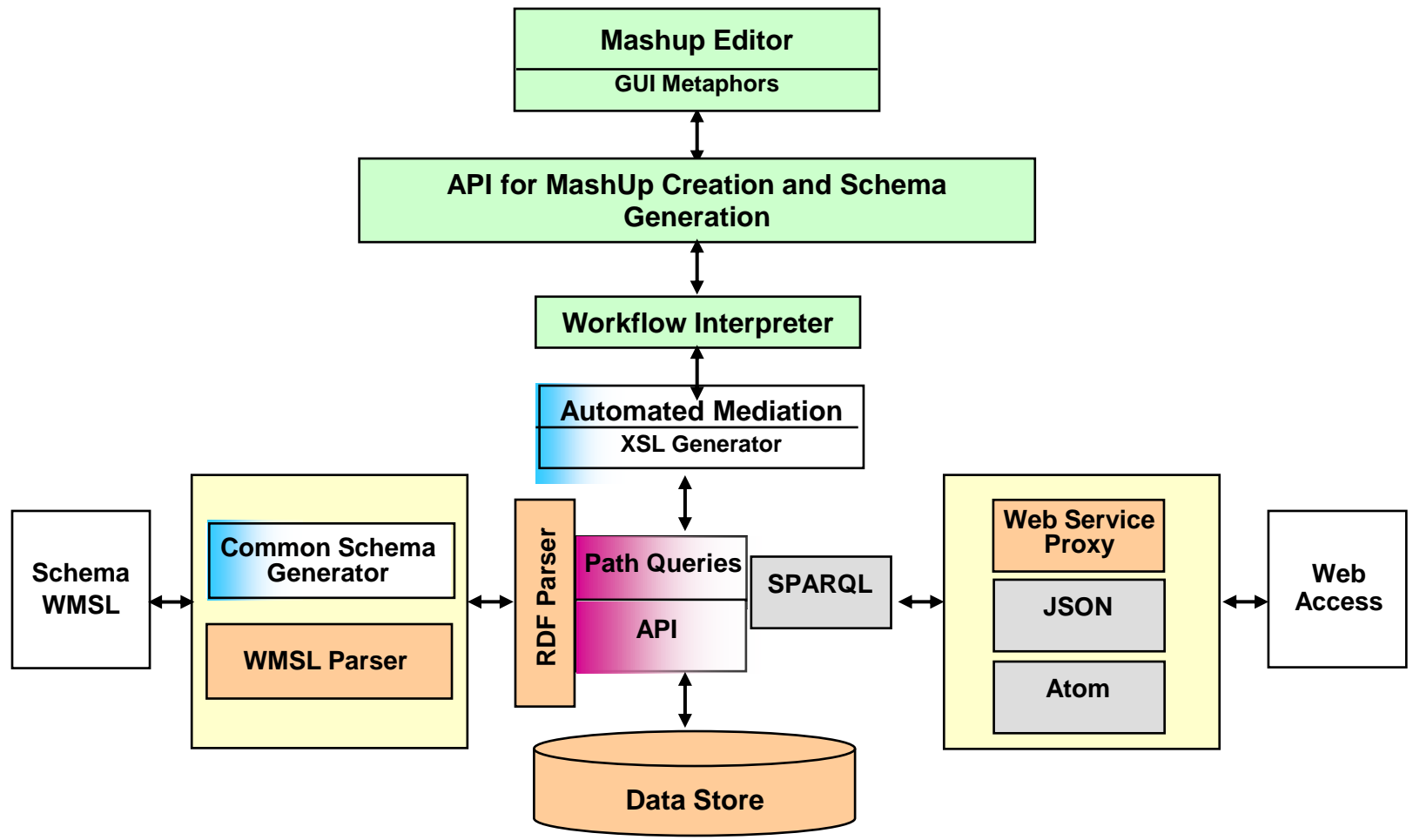


- **Prototype automated mediation from mapping relations**
- **Prototype Blue Force Tracking (BFT/UCORE) to Cursor on Target (CoT) translator using WMSL**
- **Co-organize a Technical Exchange Meeting on Mashup Editors with industry participation**
- **Author papers**
- **Author a proposed standard specification**
- **Transition Mashup Editors and WMSL to stakeholders**

UCORE to CoT Translator



Highlight/Demonstration



Impact



- **Authored papers**
- **Filed patents**
- **Gave presentations at the OASIS SOA Symposium, COI Forum, and SICoP**
- **Authored standard specification**
- **Developing a strategy for unifying COI, SOA, and metadata**

Integrating the Strategies

