



rm as

research management
and administration system

Simon Foster
RMAS Project Manager

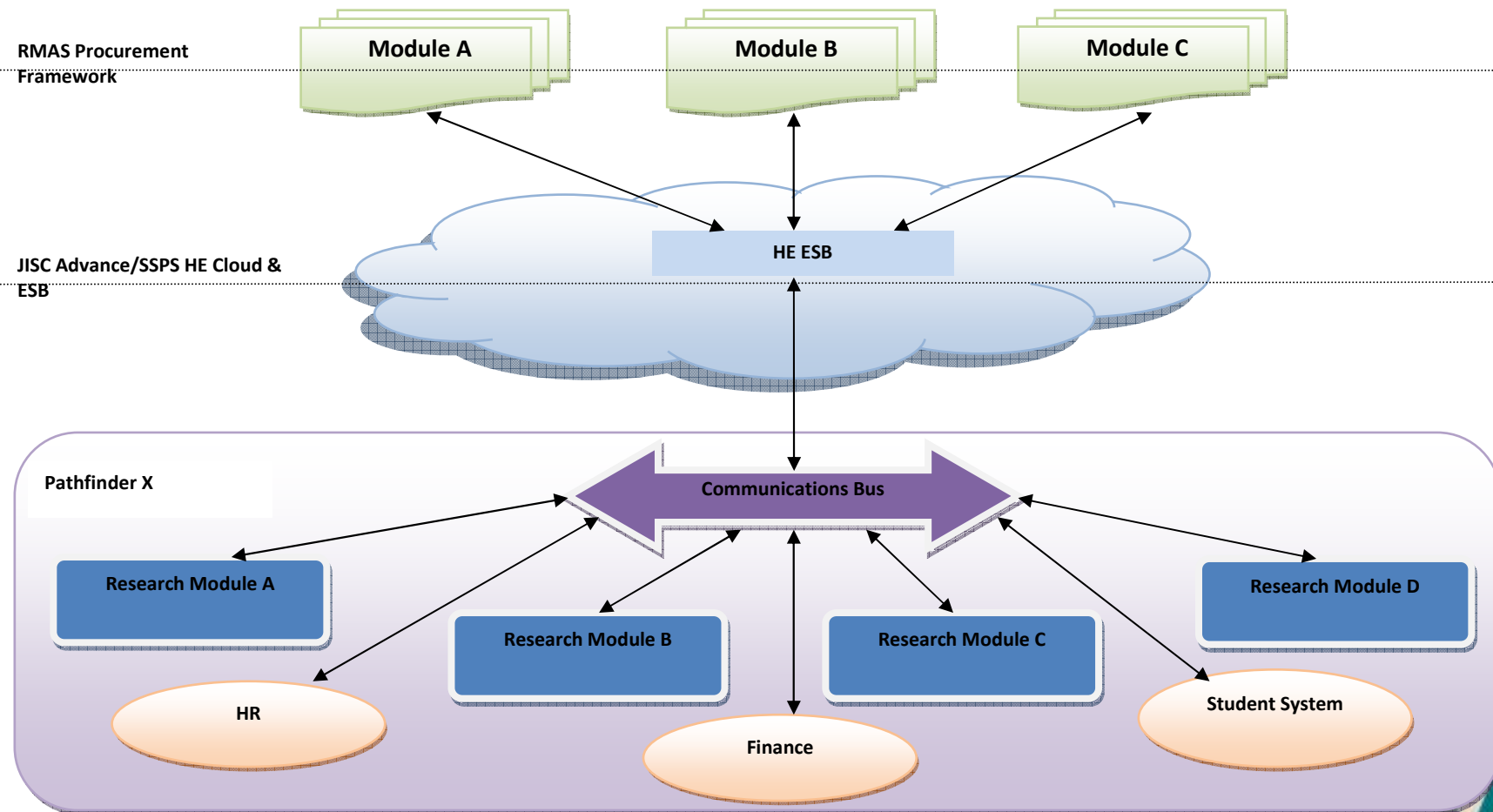


RMAS Update

- RMAS Procurement Framework
- Pathfinder system developments



RMAS architecture framework

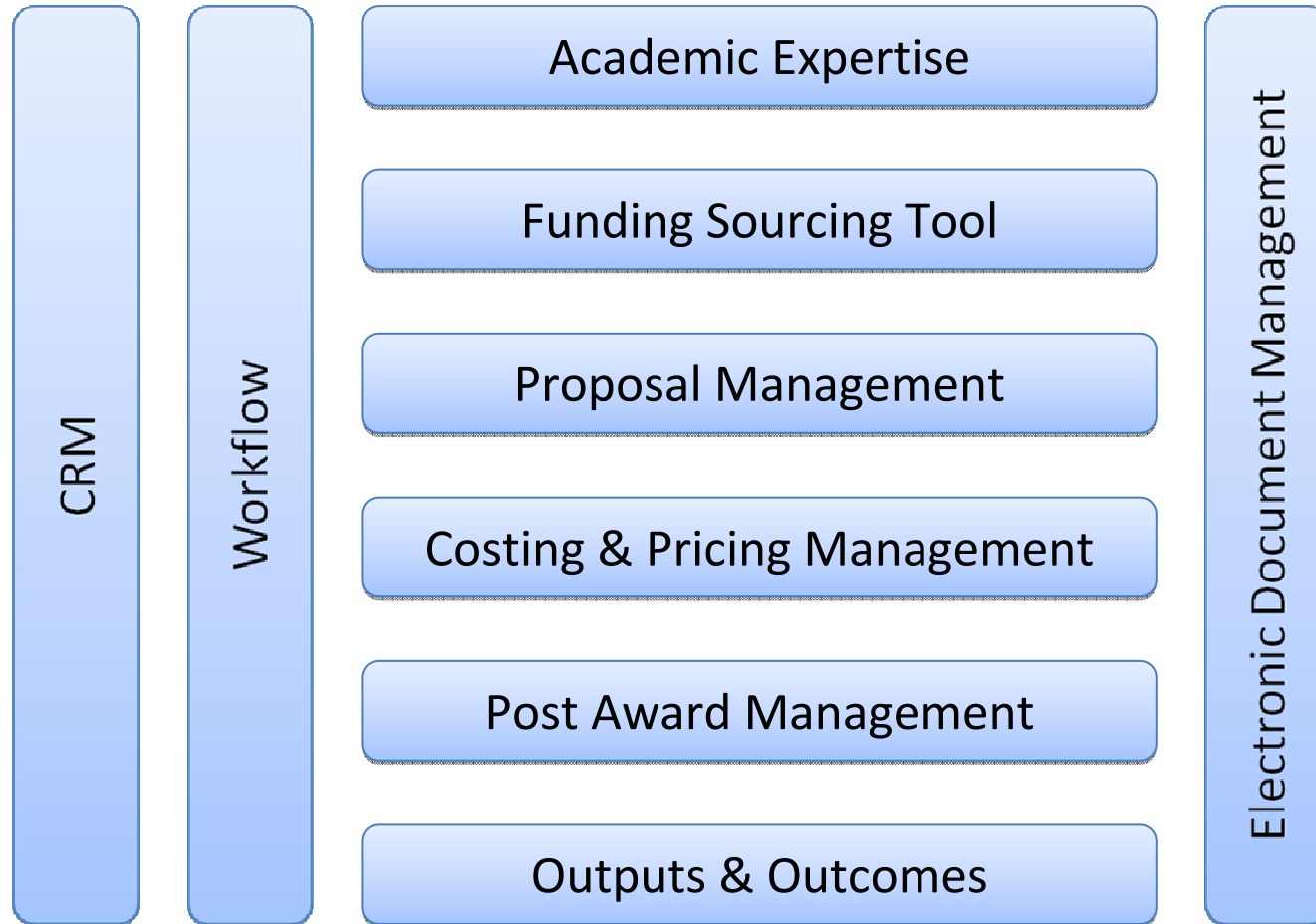


RMAS – Procurement framework

- Easy route to market
- Opportunity to help shape the market
 - CERIF compliance
 - Cloud enabled
 - RMAS schema and vocabulary



RMAS modules



Pathfinder Development Work

University of Kent
University of Sunderland
University of Exeter

CERIF event, Bath, 12th February,
2012

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Pathfinder Development Work

- CERIF alone is unsuitable for RMAS data as we require a concrete data dictionary which is simple for suppliers to incorporate into their tools.
- RMAS requires that each RMAS-compliant tool agrees on an identical taxonomy for research entities
- List of requirements to work with EuroCRIS to deliver

EuroCRIS/CERIF Development Work

- Develop a CERIF-backed, CASRAI-informed standard for the interchange of research information.
- In consultation with the pathfinders, incorporate RMAS-specific requirements into the above CERIF standard:
- Incorporate a means of attaching a message ID (which is different to the entity ID).
- A web-accessible method to look up classifications and get their associated UUIDs.
- All of the above provided via a web-accessible schema

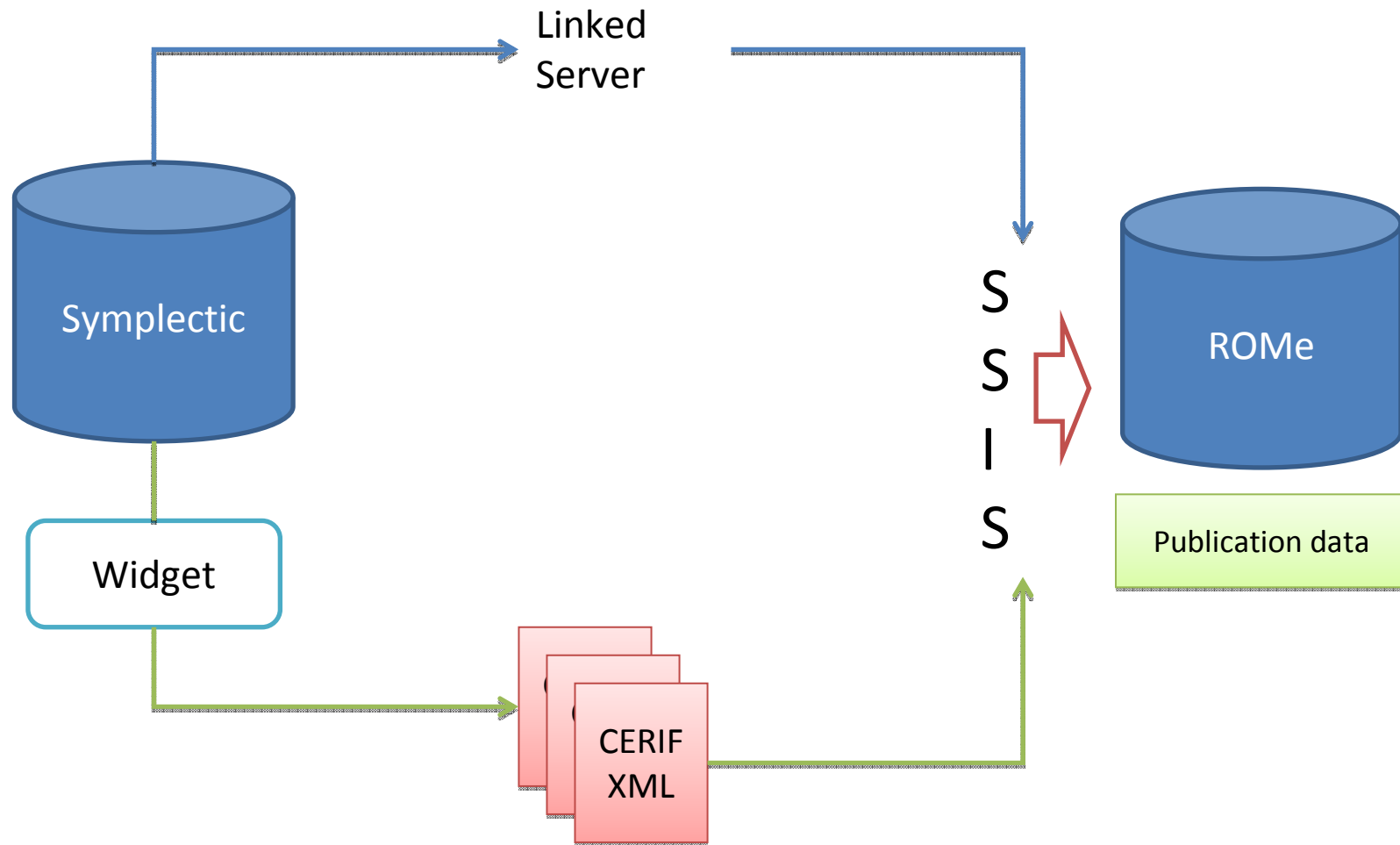
EuroCRIS/CERIF Development Example

Use case

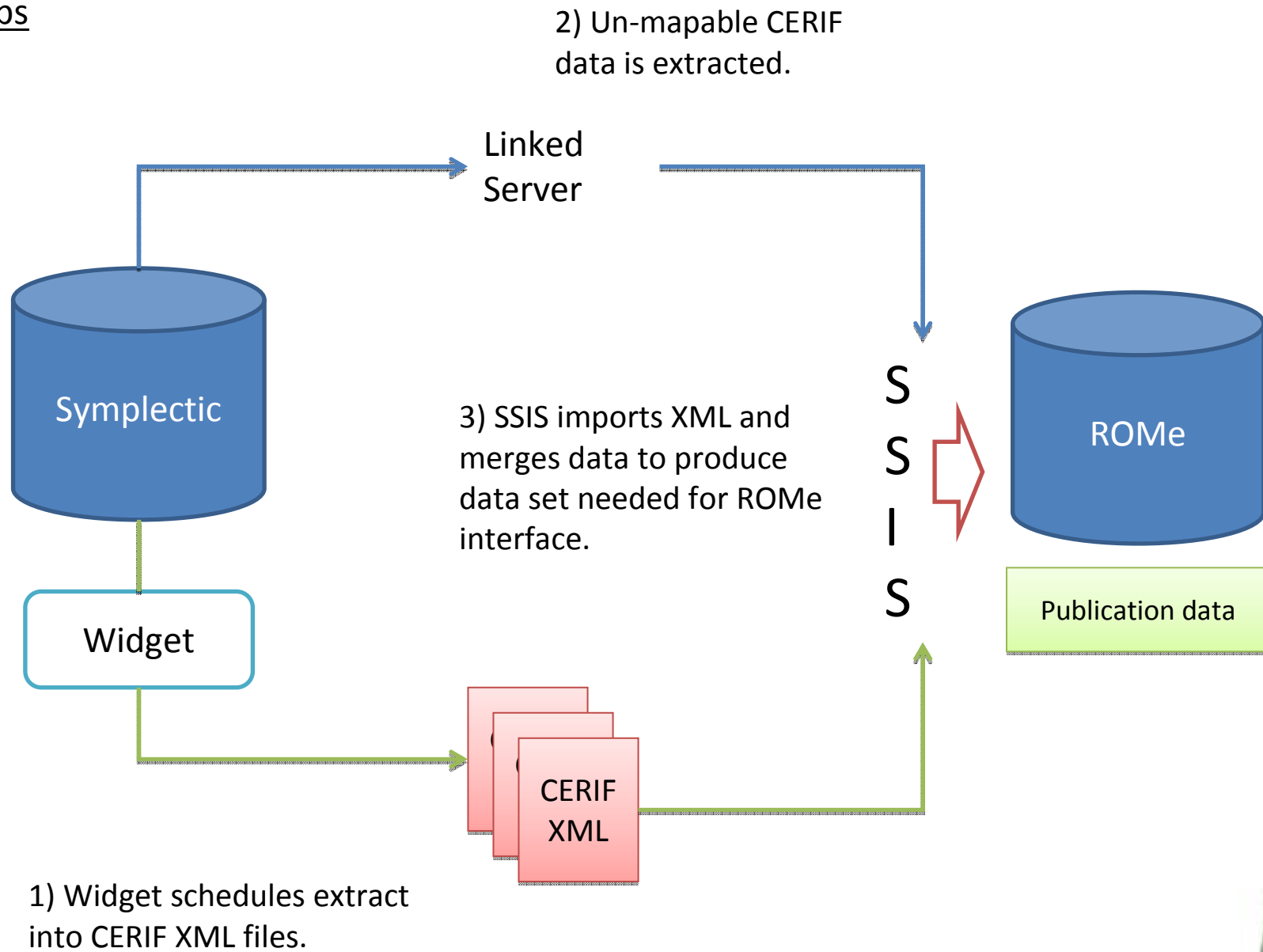
Supplier tool creates a new proposal (research activity)

- New CERIF message is created with a unique message ID
- The message type is declared as 'proposal created'
- *Research Activity entity is declared inside this message*
- Based on the message type ('proposal created'), all mandatory *Research Activity* fields must be declared in the message, and their contents must conform to the CASRAI definitions (this must be syntactically verifiable via schema).

Research Output Monitoring tool (ROME) Overview

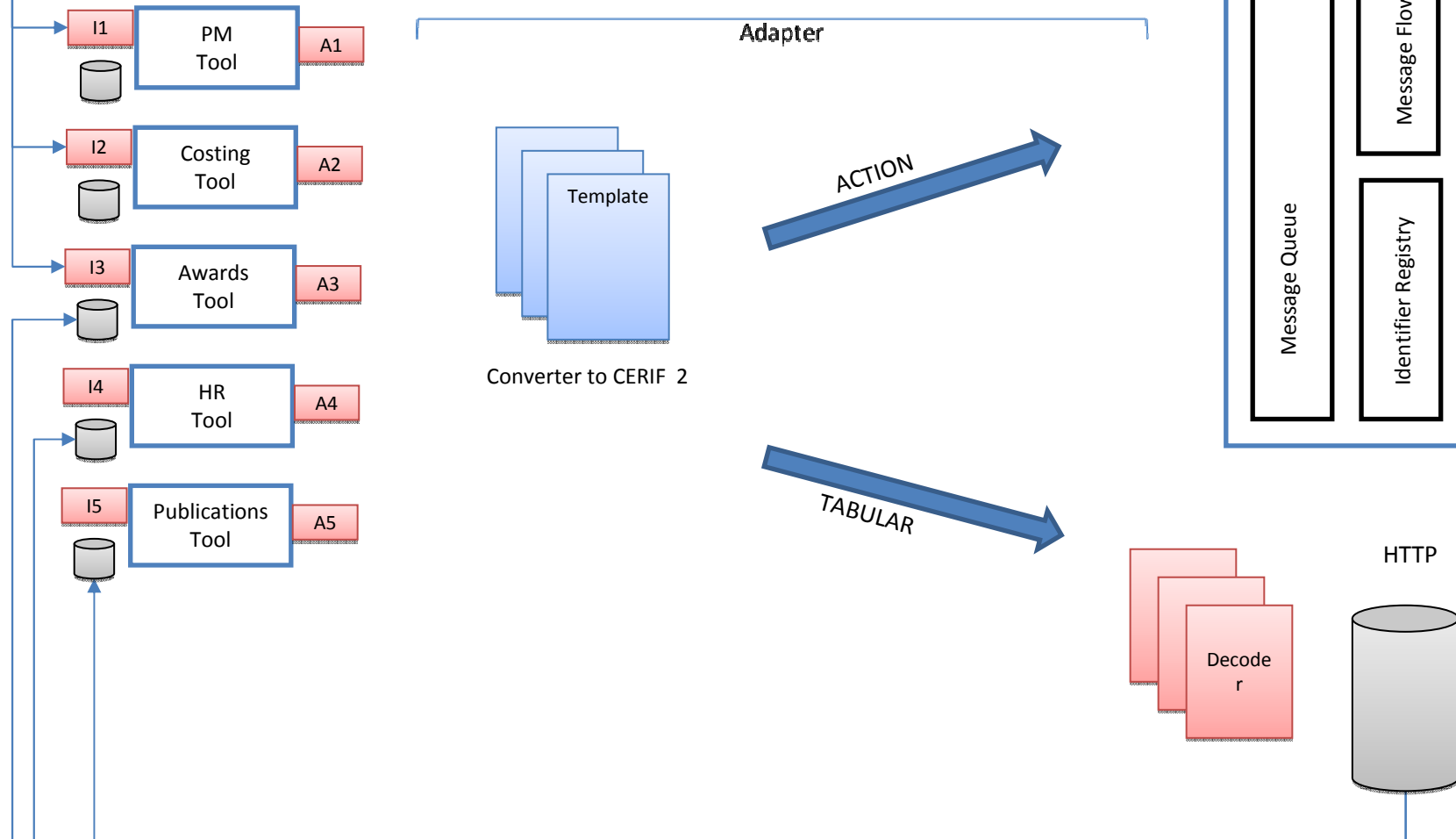


Steps



Action

ESB Message forwarding invokes action in subscribed tools.
HTTP interface to present user with the ability to invokes action in subscribed tools.



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Action

Core Non-RMAS Modules (Source)

Reset Demo

HR System **Bulk Transfer**

| ID | First Name | Last Name | Title | DoB | Department | UoA | Job Title | Start Date | End Date | Edit? | Delete? |
|----|------------|-----------|-------|------------|------------|-----------|-------------|------------|------------|-------|---------|
| 1 | Darth | Vadar | Mr | 1998-01-01 | Science | Area Stud | Galaxy King | 2007-01-01 | 2011-08-01 | | |
| 2 | Fred | Yoda | Mr | 1995-12-09 | Business | The Force | Jedi Train | 2001-05-12 | 2014-06-09 | | |
| 3 | Wedge | Antilles | Mr | 2020-10-23 | Fighting | The Force | X-Wing Pil | 2035-01-20 | 2050-04-23 | | |
| 4 | Jar Jar | Binks | Mr | 2015-05-12 | HR | Physics | Head of H | 2012-01-01 | 2018-09-23 | | |
| 5 | Jango | Fett | Mr | 2010-10-10 | Lecturing | Biology | Senior Le | 2010-01-01 | 2310-03-23 | | |

PGR System

| ID | Name | Status | Supervisor 1 ID | Supervisor 1 Name | Supervisor 2 ID | Supervisor 2 Name | Year | Start Date | End Date | Edit? | Delete? |
|-------------------------|------|--------|-----------------|-------------------|-----------------|-------------------|------|------------|----------|-------|---------|
| Load Source Data | | | | | | | | | | | |

Supplier Agnostic Connector

Reset Demo

From Source Modules

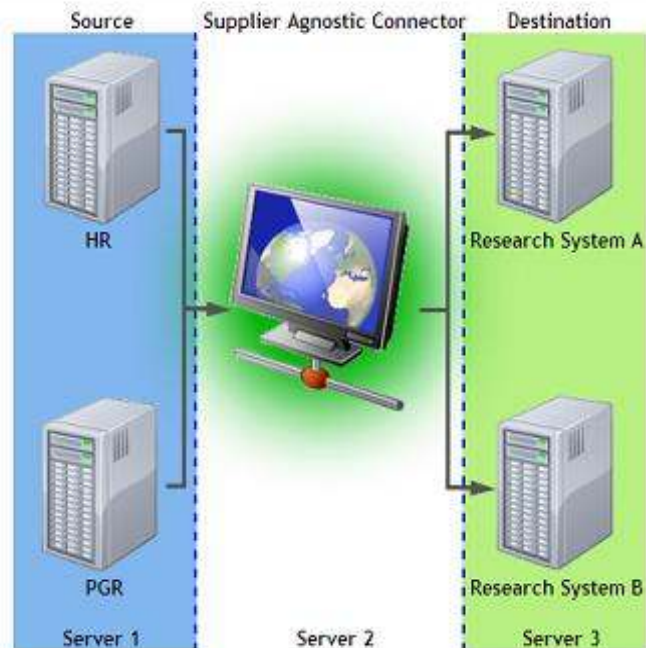
```

</HR>
<HR>
  <id>5</id>
  <first>Jango</first>
  <surname>Fett</surname>
  <title>Mr</title>
  <dob>2010-10-10</dob>
  <dept>Lecturing</dept>
  <uoa>Biology</uoa>
  <jobTitle>Senior Lecture
  <startDate>2010-01-01</s
  <endDate>2310-03-23</end
</HR>
</RMAS>
    
```

To Destination Modules

```

<ofHR_surname>Bi
<ofHR_title>Mr</
<ofHR_uoa>Physic
<ofHR_jobTitle>H
</ofHR>
<ofHR>
  <ofHR_ID>5</ofHR
  <ofHR_first>Jang
  <ofHR_surname>Fe
  <ofHR_title>Mr</
  <ofHR_uoa>Biolog
  <ofHR_jobTitle>S
</ofHR>
</CERIF>
</RMAS>
    
```



RMAS Modules (Destination)

Reset Demo

Research System A

| ID | First Name | Last Name | Title | UoA | Job Title |
|----|------------|-----------|-------|--------------|-----------------|
| 1 | Darth | Vadar | Mr | Area Studies | Galaxy King |
| 2 | Fred | Yoda | Mr | The Force | Jedi Trainer |
| 3 | Wedge | Antilles | Mr | The Force | X-Wing Pilot |
| 4 | Jar Jar | Binks | Mr | Physics | Head of HR |
| 5 | Jango | Fett | Mr | Biology | Senior Lecturer |

Research System B

| ID | Name | Status | Supervisor 1 ID | Supervisor 1 Name | Supervisor 2 ID | Supervisor 2 Name |
|----------------|------|--------|-----------------|-------------------|-----------------|-------------------|
| No Data Loaded | | | | | | |

Connector Definition

'Each module/system that needs to share RMAS data will need a connector. A connector enables data transfer between separate systems. The term adapter can be used interchangeably with connector. An adapter converts native data from source systems into XML messaging formats, and vice versa. A connector may constitute simply this adapter function, or may also include transport functionality to deliver the data via a communications bus to a specified destination or destinations'.

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