

European **A**rchival **R**ecords and **K**nowledge Preservation

SMURF Specification for ERMS Archiving

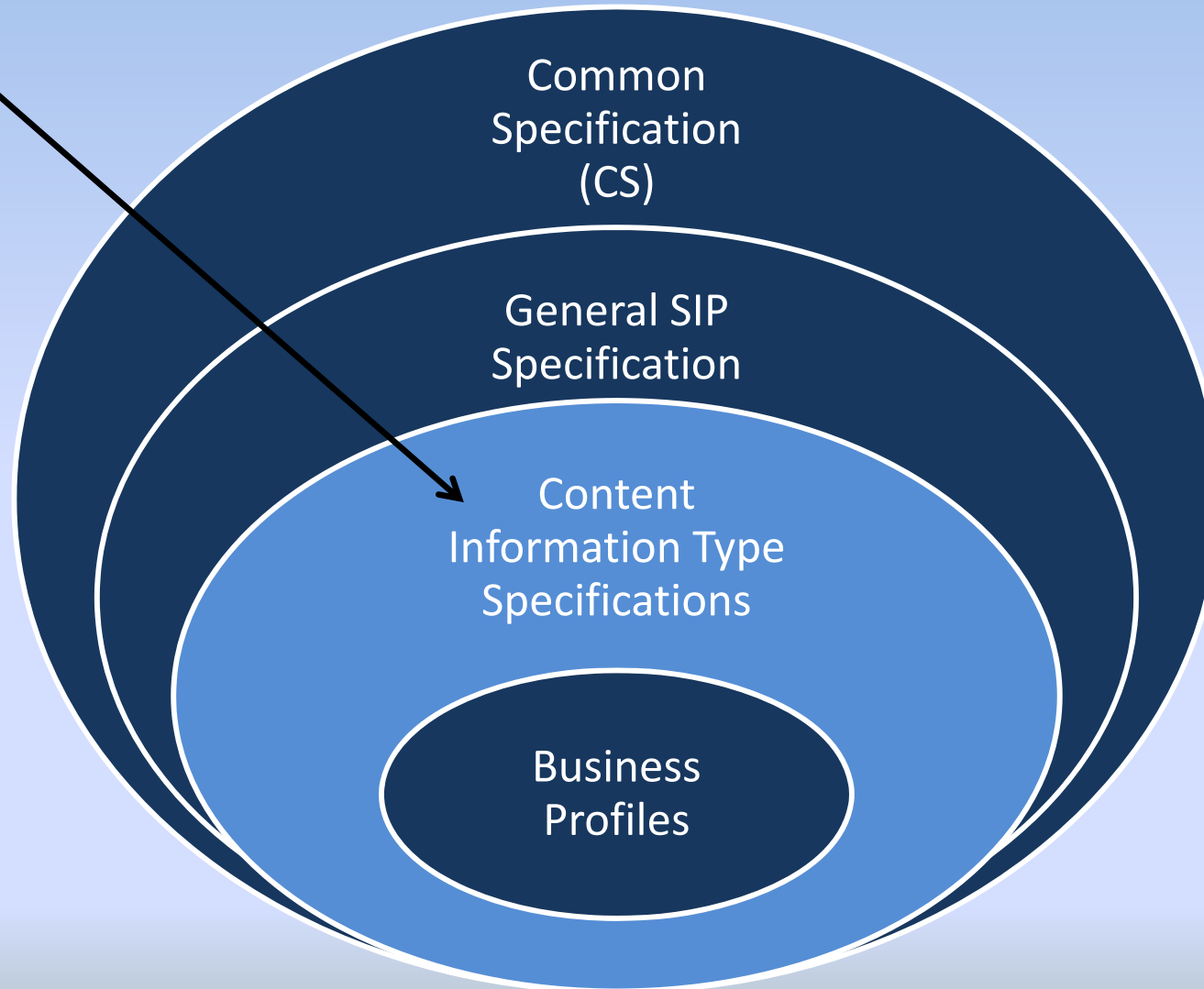
Tarvo Kärberg, National Archives of Estonia

Budapest, 7th December 2016



Semantically Marked-Up Records Format (SMURF) for ERMS

SMURF
for ERMS



Archiving ERMS content

A problem:

Various ERM systems exist. Difference is both in metadata (semantics, granularity etc.) and export functionality (including the format).

What can we do?

Content-type specific profile for ERMS ->
Semantically Marked-Up Records Format
(SMURF) for ERMS



SMURF ERMS in general

- A profile for ERMS
- Initially based on MoReq 2010
- Follows the general SIP specification and the CS for IPs
- Descriptive metadata mapped to EAD3 (Encoded Archival Description) elements
- ERMS-specific elements represented as <odd> elements in EAD3



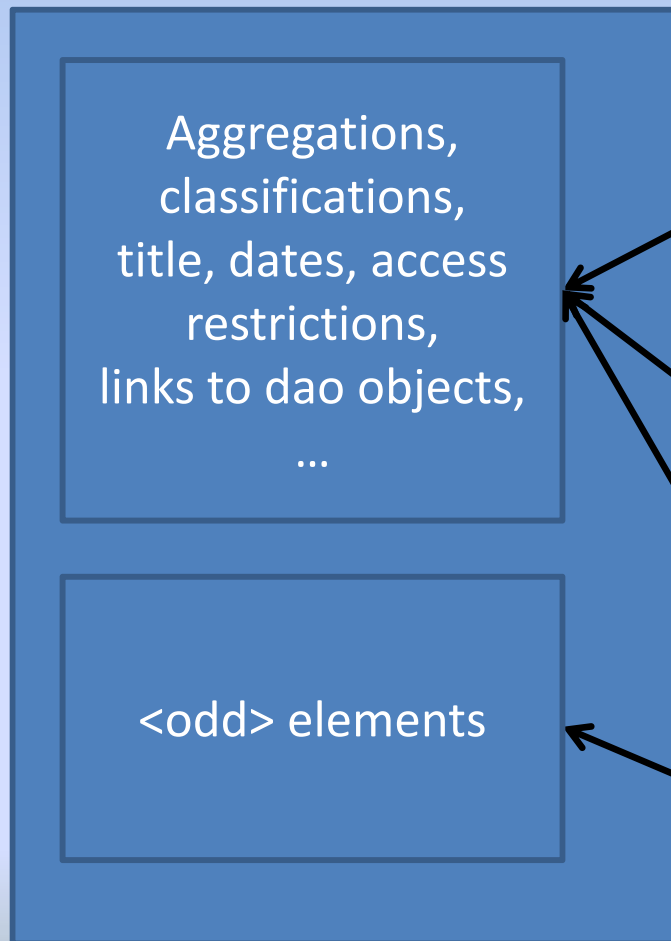
About EAD3

- Is a revision of the EAD2002 standard
- Officially approved standard of the Society of American Archivists
- Migration stylesheet for EAD2002 to EAD3 available on Github
- Tag library contains crosswalks (ISAD(G) to EAD3, MARC 21 to EAD3, MODS to EAD3)
- Aligned with EAC-CPF (Encoded Archival Context – Corporate bodies, Persons, and Families) standard
- Suitable for all IPs (SIP, AIP, DIP)
- ...



Extensibility, flexibility

SMURF EAD file



Archival descriptions

Basic metadata about the record, its structure, context and content.

Content

Computer files

ERMS metadata

MoReq 2010 or any other ERMS



Using the <odd> element

Original ERMS metadata

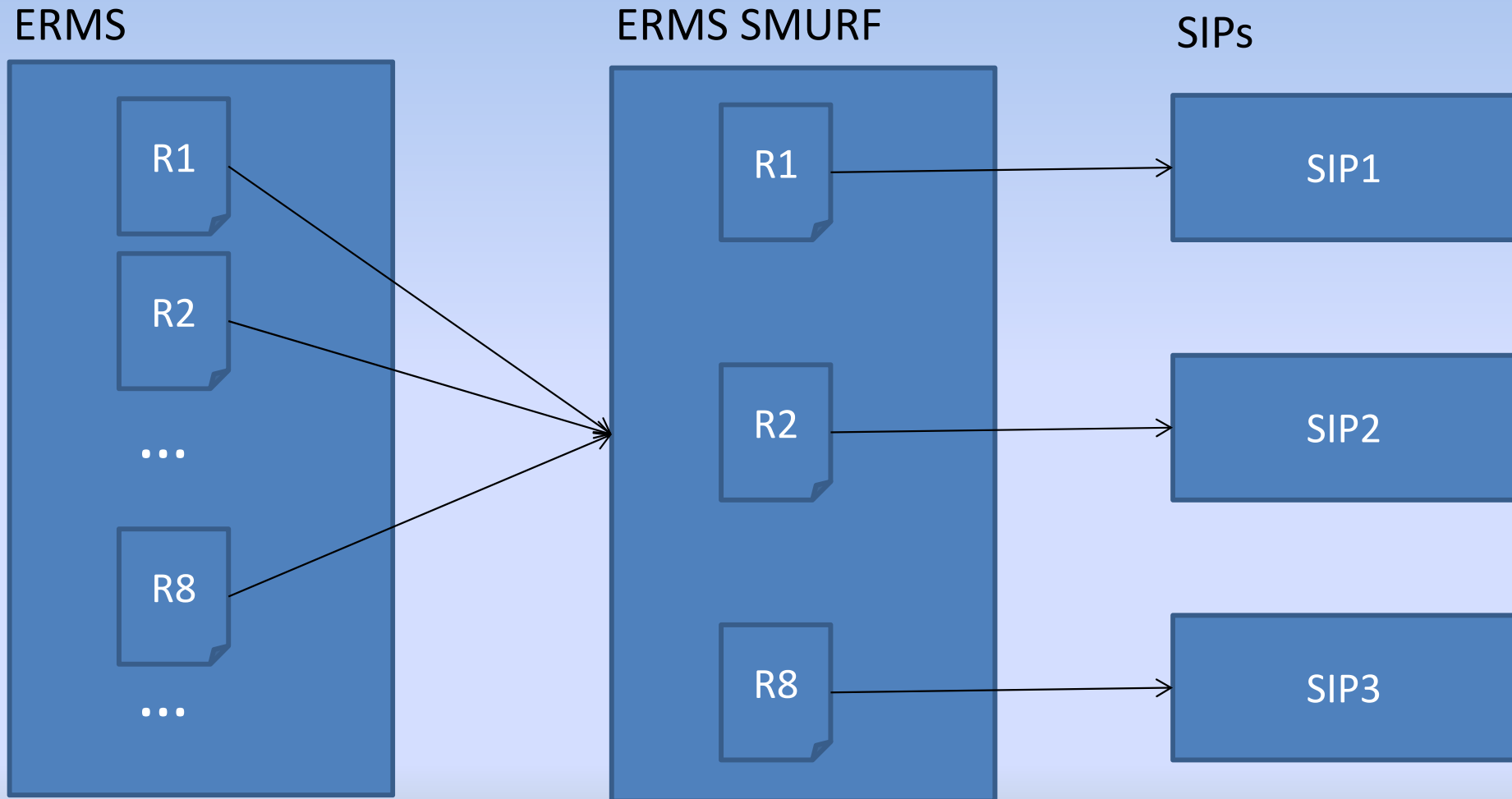
```
<Record SystemId="12300000-1111-0000-0000-000000000000">  
  <Created>2001-12-17T09:30:47Z</Created>  
  <Originated>2001-12-17T09:30:47Z</Originated>  
  <Title Lang="en-us">text</Title>  
  <Description Lang="en-us">text</Description>  
</Record>
```

Original ERMS metadata represented as EAD3

```
<odd localtype="Record" id="12300000-1111-0000-0000-000000000000">  
  <odd localtype="Created"><p>2001-12-17T09:30:47Z </p></odd>  
  <odd localtype="Originated"><p>2001-12-17T09:30:47Z </p></odd>  
  <odd localtype="Title" lang="en-us"><p>text</p></odd>  
  <odd localtype="Description" lang="en-us"><p>text</p></odd>  
</odd>
```

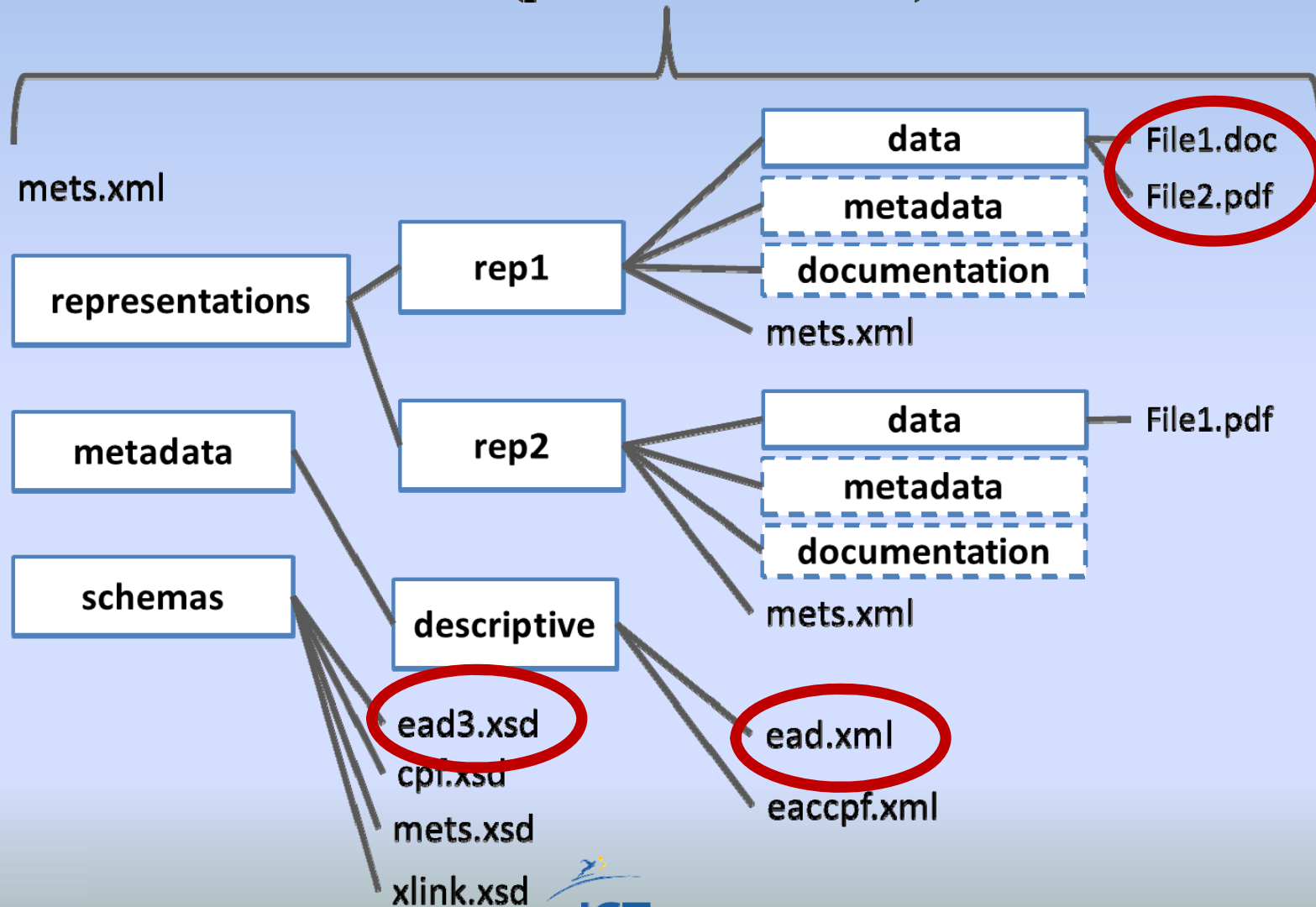


Export from ERMS and SIP creation



ERMS SMURF in a SIP

SIP (packed as a TAR file)



Thank you!

