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- Session 2: Introduction to the TEI David J. Birnbaum djbpitt@gmail.com <http://www.obdurodon.org> Andrej Bojadžiev aboy@uni-sofia.bg <http://www.slav.uni-sofia.bg/index.php/departments/cyrrillomethodian-studies/441-andrej-bojadzhiev.html> El'Manuscript, Varna, 2014-09-15

2.

- The role of the TEI in digital editing and publishing
- Parts of a TEI document
- Creating a TEI document in <oXygen/>
- TEI flavors (p5; All, manuscript description)
- Root element and namespace
- [gi]teiHeader[/gi] [gi]text[/gi]

3. The role of the TEI

- Reuse, multipurposing
 - – XHTML, PDF, plain text
 - – Continuous reading (single manuscript)
 - – Critical apparatus ~ interlinear collation
 - – Graphic (non-textual) representation
- Interchange and interoperability (shared tools)
- Guidelines or standard?
- Your problems aren't (entirely) new or unusual
- Customizations, broad and narrow
- Funding imperatives

4. What can you do with a TEI document?

- Transform (XSLT) to final form (XHTML, PDF, etc.)
- Explore and query (XQuery)

5. How to manage a TEI project

- Choose (configure) a TEI schema
 - – What do you need to do?
 - – There may be different ways to do almost the same thing
 - – There may be different ways to do exactly the same thing
 - – Nobody uses every element in the TEI in any project

6. Schemas

- XML must be well-formed
- XML may be valid
 - Valid = valid against a particular schema

- Schema
 - Grammar or blueprint for a document
- What element and attributes are allowed, where, and with what content or type of content?
 - Schema languages
- Relax NG, W3Schema, DTD
 - Constraint language: Schematron
- TEI is a set of schemas

7. TEI flavors

- TEI all
- TEI Lite
- Manuscript description
- Customization, broad and narrow
 - Can you do what you need?
 - Can you do it the way you want?
 - Can you do things you shouldn't be allowed to do?
 - Enabling vs enforcing schemas

8. Now let's do something ...

- Start <oXygen/> Create a new TEI p5 All document What does <oXygen/> do for you

9. Root element

- [gi]TEI xmlns="http://www.tei-c.org/ns/1.0"[/gi] Namespaces
 - Namespace declaration (pseudo-attribute)
 - Inherited
 - Namespace prefixing (not covered in this workshop)
- title
 - Book title
 - Royal title
- body
 - TEI body
 - HTML body
- Schema associations (<?xml-model ... ?>)

10. [gi]teiHeader[/gi] •

- [gi]fileDesc[/gi]
 - [gi]titleStmt[/gi]
 - [gi]publicationStmt[/gi]
 - [gi]sourceDesc[/gi]
- Minimal content

- – [gi]titleStmt[/gi][gi]title[/gi] ... [gi]/title[/gi][gi]/titleStmt[/gi]
- – [gi]p[/gi] (= “paragraph”) for the other two
- Structured content

11. Structured [gi]titleStmt[/gi]

- Required: [gi]title[/gi]
- Optional
 - – [gi]author[/gi], [gi]editor[/gi] (of source document)
 - – [gi]principal[/gi] (creator of electronic document)
 - – [gi]meeting[/gi]
 - – [gi]respStmt[/gi]
 - [gi]resp[/gi]TEI markup[gi]/resp[/gi]
 - [gi]name[/gi][your name][gi]/name[/gi]
 - [gi]/respStmt[/gi]

12. [gi]publicationStmt[/gi]

- Minimal: [gi]p[/gi]
- Optional
 - – [gi]publisher[/gi], [gi]distributor[/gi], [gi]authority[/gi]
 - – [gi]pubPlace[/gi][gi]address[/gi] ...
 - [gi]orgName[/gi], [gi]street[/gi], [gi]settlement[/gi], [gi]country[/gi], [gi]postCode[/gi]
 - – [gi]date when="2013-09-05"[/gi]
 - Date ranges and less precise dates are also supported
 - – [gi]idno type="ISBN"[/gi]
 - – [gi]availability[/gi][gi]p[/gi][License info][gi]/p[/gi][gi]/availability[/gi]

13. [gi]text[/gi]

- [gi]front[/gi], [gi]body[/gi], [gi]back[/gi]
- [gi]div type="chapter"[/gi]
- Headers
 - – [gi]head[/gi]
- Verse and verse-like things
 - – [gi]lg type="stanza"[/gi], [gi]l[/gi]
- Prose
 - – [gi]p[/gi]
- Drama
 - – [gi]speaker[/gi], [gi]sp speaker="hamlet"[/gi]

14. Common in-line elements

- [gi]hi rend="italic"[/gi] [gi]name type="person" ref="#ab"[/gi]

- – [gi]persName ref="#ab"/[gi]
- – [gi]placeName ref="#varna"

15. Hands-on practice

- Create a new document in <oXygen/> (TEI P5 All)
- – – [gi]titleStmt[/gi]: add other elements
 - – [gi]publicationStmt[/gi] and [gi]sourceDesc[/gi]: delete [gi]p[/gi] elements and add structured content

16. That URL

<http://www.tei-c.org/release/doc/tei-p5-doc/en/html/index.html>