An introduction to the TEI

- 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/cyrillomethodian-studies/441-andrej-bojadzhiev.html El'Manuscript, Varna, 2014-09-15

The role of the TEI in digital editing and publishing

- Parts of a TEI document
- Creating a TEI document in
- TEI flavors (P5; All, manuscript description)
- Root element and namespace
- <teiHeader> <text>

TEI

The role of the TEI

- Reuse, multipurposing
- Convert to different document types
    - XHTML, PDF, plain text
- Convert to different views, e.g., a manuscript edition as
    - 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

TEI

What can you do with a TEI document?

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

TEI

How to manage a TEI project

- Choose (configure) a TEI schema
- Prepare project encoding guidelines
  - What do you need to do?
- Do you need (or just want) to do it in a particular way?
  - 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

TEI

Schemas

- XML must be well-formed
- XML may be valid
  - Valid = valid against a particular schema
- Schema
  - Grammar or blueprint for a document
- What elements and attributes are allowed, where, and with what content or type of content?
  - Schema languages : RELAXNG, W3Schema, DTD
  - Constraint language: Schematron
- TEI is a way of generating customised schemas

TEI

TEI varieties

- TEI All
- TEI Simple
- 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

TEI

Now let's do something …

- Start
- Create a new TEI P5 All document
- What does do for you

TEI

Root element

- `<TEI xmlns="http://www.tei-c.org/ns/1.0">`
  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 … ?>`)

<teiHeader> •

- <fileDesc>
    - <titleStmt>
    - <publicationStmt>
    - <sourceDesc>
- Minimal content

```
<titleStmt>
  <title>...</title>
</titleStmt>
<publicationStmt>
  <p> .... </p>
</publicationStmt>
<sourceDesc>
  <p> ... </p>
</sourceDesc>
```

- Structured content

Structured <titleStmt>

- Required: <title>
- Optional
  - <author>, <editor> (of source document)
  - <principal> (creator of electronic document)
  - <meeting>
  - <respStmt>

```
<respStmt>
  <resp>TEI Markup</resp>
  <name>Your
     Name</name>
</respStmt>
```

<publicationStmt>

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

<text>

- <front>, <body>, <back>
- `<div type="chapter">`
- Headings
- –– <head>
- Verse and verse-like things
- –– `<lg type="stanza">`, <l>
- Prose
- –– <p>
- Drama
- –– <speaker>, `<sp speaker="hamlet">`

TEI

Common in-line elements

- `<hi rend="italic"><name type="person" ref="#ab">`
- `<persName ref="#ab">`
- `<placeName ref="#varna">`

TEI

Hands-on practice

- Create a new document in <oXygen/< (TEI P5 All)
- Edit the <teiHeader> element to add metadata for your project

  - <titleStmt>: add other elements
  - <publicationStmt> and <sourceDesc>: delete <p> elements and add structured content

That URL

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