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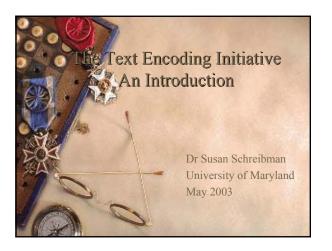
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This page is also available in the following languages: Català Deutsch English Castellano suomi ??? Nederlands Português ??(?)







The Text Encoding Initiative developed between 1987-1994

- joint industry/educational/govt/non-profit initiative/w hundreds of participants
- a subset of SGML developed specifically for humanities applications
- TEI P1 published in 1990
- TEI P2 published between 1992-93
- TEI P3 published in 1994
- TEI P4 published in 1999
- TEI U5 published in 1995 (TEI Lite)
- TEI P4 (XML) published in 2002



An International Consortium: old website http://www.uic.edu/orgs/tei/

- funders
 - the Natl Endowment of the Humanities
 - Commission of the EU
 - Andrew W Mellon Foundation
 - Social Science & Humanities Research Council of Canada
- sponsors
 - Assoc of Computers and the Humanities
 - Assoc for Computational Linguistics
 - Assoc for Literary and Linguistic Computing



New Consortium to maintain the TEI formed in 1999

- hosted by:
 - University of Virginia
 - Brown University
 - Oxford University
 - University of Bergen
- more info at:
 - http://www.tei-c.org/



the Guidelines provide a means of making explicit certain features of a text in such a way as to aid the processing of that text by computer programs running on different machines. This process of making explicit we call *markup* or *encoding*.

http://www.hcu.ox.ac.uk/TEI/Lite/teiu5-div1c15b2b3b3b2.html



The guidelines create a standard and guide for 'the preparation and interchange of electronic texts for scholarly research, and to satisfy a broad range of uses by the language industries more generally"



Intended Use

- guidance for individual or local practice in text creation and data capture
- support for data interchange
- support of application-independent processing



Goals of the TEI (1987):

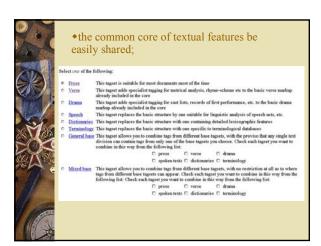
- suffice to represent the textual features needed for research;
- be simple, clear, and concrete;
- be easy for researchers to use without specialpurpose software;
- allow the rigorous definition and efficient processing of texts;
- provide for user-defined extensions;
- conform to existing and emergent standards. http://www.hcu.ox.ac.uk/TEI/Lite/teiu5-div1-c15b2b3b3b2.html



to facilitate the widest possible usership, it was important to ensure:

- the common core of textual features be easily shared:
- additional specialist features be easy to add to (or remove from) a text;
- multiple parallel encodings of the same feature should be possible;
- the richness of markup should be user-defined, with a very small minimal requirement;
- adequate documentation of the text and its encoding should be provided.

http://www.hcu.ox.ac.uk/TEI/Lite/teiu5-div1-c15b2b3b3b2.html

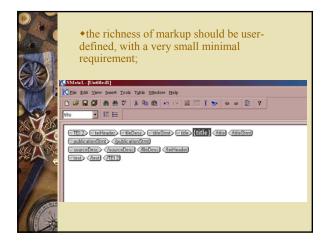


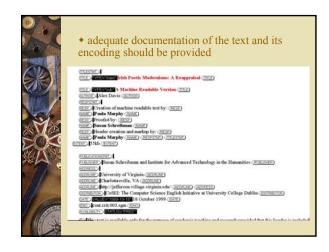


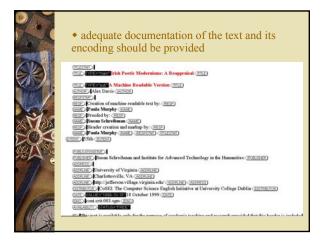




- •multiple parallel encodings of the same feature should be possible;
- <P>However, few have been so scathing in their condemnation of <PERSNAME</p>
- REG="WB Yeats">Yeats</PERSNAME> as <PERSNAME><CORR
- REND="Brian Coffey" CERT="100%">Brian Cofey</CORR></PERSNAME>, a friend and contemporary of <PERSNAME
- REG="Samuel Beckett">Beckett</PERSNAME>, who described Yeats as 'A power-hungry seducer who gathered a right gang of praisers around him, and who blocked off the kind of talent he didn't like'









a DTD flexible enough to encompass a wide range of texts, periods & purposes

- history
- literature
- ancient textsmedieval texts
- art history
- modern texts
- linguistics

• modern text



has become the de facto standard

- most major humanities computing projects utilise it
- in theory, allows for the exchange of texts across projects and archives
- helps to ensure uniform encoding of text: extremely important for both humans and parsers



What does TEI facilitate?

- **■**structural divisions within a text
 - *title-page, chapter, scene, stanza, line, etc
- **_typographical elements**
- *changes in typeface, special characters, etc
- **■other textual features**
 - *grammatical structure, location of illustrations, variant forms, etc



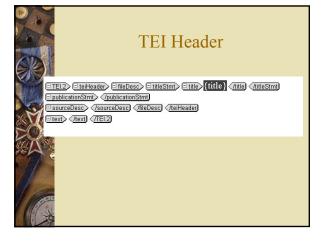
facilitates the long-term preservation of electronic texts

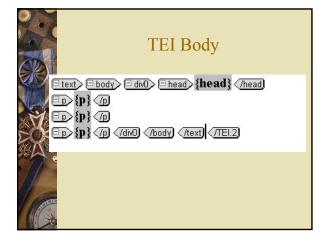
- repositories have one basic DTD to preserve and understand
 - though that DTD may have many "flavors"



all TEI documents follow the same essential format

- TEI header
 - documents the electronic edition being created
- ◆ TEI body
 - contains the content being created









The Full TEI Tag Set

- developed to meet a range of encoding needs
 - across disciplines
 - across language needs
 - · literature vs linguistics
 - developed in a pre-internet environment



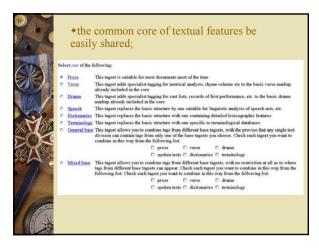
Concept behind Pizza

"The TEI Guidelines define several hundred SGML elements and associated attributes, which can be combined to make many different DTDs, suitable for many different purposes, either simple or complex. With the aid of the Pizza Chef, you can build a DTD that contains just the elements you want, suitable for use with any SGML or XML processing system."



Pizza concept

- there are various base tag sets (including)
 - prose
 - verse
 - drama
 - dictionaries
 - speech
 - mixed base





Pizza concept

- individuals choose various "toppings", ie additional tag sets based on encoding needs (including)
 - linking
 - figures
 - analysis (linguistic analysis)
 - transcription
 - textcrit
 - names.dates
 - certainty







TEI Lite

- a subset of of TEI designed to meet average encoding needs
- no choosing of bases and toppings
- no choosing of entity sets all is chosen for you
- "conceived of as a simple demonstration of how the TEI encoding scheme might be adopted to meet 90% of the needs of 90% of the TEI user community."

http://www.hcu.ox.ac.uk/TEI/Lite/teiu5-div-c15b2b3b1b3.html



TEI Lite is most suited to

- printed texts
- structural encoding
- light content encoding
- electronic repositories which want to make lightly encoded texts available to scholars



Goals of TEI Lite

- it should include most of the TEI "core" tag set, since this contains elements relevant to virtually all text types and all kinds of text-processing work;
- it should be able to handle adequately a reasonably wide variety of texts, at the level of detail found in existing practice (for ex the Oxford Text Archive);
- it should be useful for the production of new documents as well as encoding of existing ones;



how does it fulfill its goals?

- it includes most features of the base prose tag set;
- but skips more specialised usages, for ex:
- TEI Lite includes <name>
- if one chooses the "names and dates" additional tag set one gets:



- <persName> contains a proper noun or propernoun phrase referring to a person, possibly including any or all of the person's forename, surname, honorific, added names, etc.
- <surname> contains a family (inherited) name, as opposed to a given, baptismal, or nick name.
- <forename> contains a forename, given or baptismal name.
- <noleName> contains a name component which indicates that the referent has a particular role or position in society, such as an official title or rank.



- <addName> contains an additional name component, such as a nickname, epithet, or alias, or any other descriptive phrase used within a personal name.
- <nameLink> contains a connecting phrase or link used within a name but not regarded as part of it, such as ``van der" or ``of".
- <genName> contains a name component used to indicating generational information, such as "Junior", or a number used in a monarch's name.



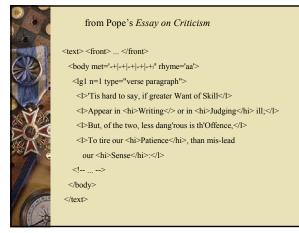
how does TEI Lite fulfill its goal?

- for encoding poetry, TEI Lite offers:
 - − <lg> for encoding line groups (stanzas)
 - <|> for encoding a line of poetry



the verse tag set offers:

- "numbered" <|g> elements are provided, by analogy with the ``numbered" divn class elements
- a special purpose <aesura> element is provided, to allow for segmentation of the verse line
- a set of attributes is provided for the encoding of rhyme scheme and metrical information





caesura element

- <l>In a somer seson, <caesura> whan softe was the sonne, </l>
- <l>I shoop me into shroudes <caesura> as I a sheep were, </l>
- <l>In habite as an heremite <caesura> unholy of werkes, </l>
- <l>Went wide in this world <caesura> wondres to here. </l></l>



attributes for encoding rhyme schemes and metrical information

- met contains a user-specified encoding for the conventional metrical structure of the element.
- real contains a user-specified encoding for the actual realization of the conventional metrical
- structure applicable to the element.
- **rhyme** specifies the rhyme scheme applicable to a group of verse lines.



<ld>type=stanza>

- d type=sestet>
- <I>In the first year of Freedom's second dawn
- <l>>Died George the Third; although no tyrant, one
- <I>Who shielded tyrants, till each sense withdrawn
- <I>Left him nor mental nor external sun:
- <I>A better farmer ne'er brushed dew from lawn,
- <l>A worse king never left a realm undone! </lp>
- type=couplet>
- <|>He died — but left his subjects still behind,
- <I>One half as mad — and t'other no less blind.
- </lg>



Why choose TEI or TEI Lite?

- is your purpose to do light encoding of texts
 - structural information (paras, lg, l, etc)
- do you need header information only?
 an image gallery
- what is the purpose of detailed metrical markup?
 (not a rhetorical question!)
- what are the breadth vs depth issues in archive encoding?
 - (also not a rhetorical question)