Educational Typesetting

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Playground

- authors want control over their text

- designers want to make fancy things

- publishers want to (re)publish content

Conditions

- materials should follow changes in educational programs

- content must be available in many levels and depths

- information is to be reused for formal and job related education

- content should be coded in one source or come from databases

- consistency should be guaranteed within author teams

- workflows should be automated as much as possible

Observations

- 5-10 years ago demands were not that high, and it was not that hard to beat word processors (**zuivering** & **beheer**): TEX permits you to reach a very high level of abstraction

- today **XML** is the buzzword, so whatever you produce, it should become XML some day: since there are more limitations, in a way live has become much more easier

- (pseudo) standards pop up faster than one can support them: fighting them will become more and more important

- the publishing world is about to change fast: publishers become brokers of information (**ethiek**)

Solutions

- convertable input (**steps**)

- structured content (**examnsrc** & **examnres**)

- high quality output (**demo-i** & **demo-v**)

- controlling the process (**demo-x** & **demo-f**)

- typesetting on demand (**cod.pragma-pod.com**)

ConTeXt

- general purpose macro package (currently in major upgrade stage)

- extensive support for structuring and reuse (in TeX and XML)

- reasonable flexible and extendible (more interfaces will be provided)

- evolving into a all–round toolkit (scripts, dtd's, styles)

- will soon provide DTP like control and features