Wikipedia as a Tool for Introducing Social Concerns into Science Education

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• Wikipedia is becoming a main source for scientific information

• We know very little of the nature of science transmitted by Wikipedia

• There is a need to understand better the character of Wikipedia’s scientific contents.
Textbooks: research on the Nature of Science

How can it be extended to Wikipedia?
Wikipedia’s dimensions and diversity make it a challenge

First task: design an automatic procedure to detect articles with a relevant scientific content.

Second task: reveal the semantic structure of Wikipedia’s scientific content.

Second task: analyzing the links between different scientific articles.
Results school textbooks:

- Scientific knowledge
- Social, moral or legal implications
Preliminary results Wikipedia:

Scientific knowledge

- medicine
- environment
- electronics
- IT
Thank you for your attention.

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