

An Integrated Environment for Literature Research



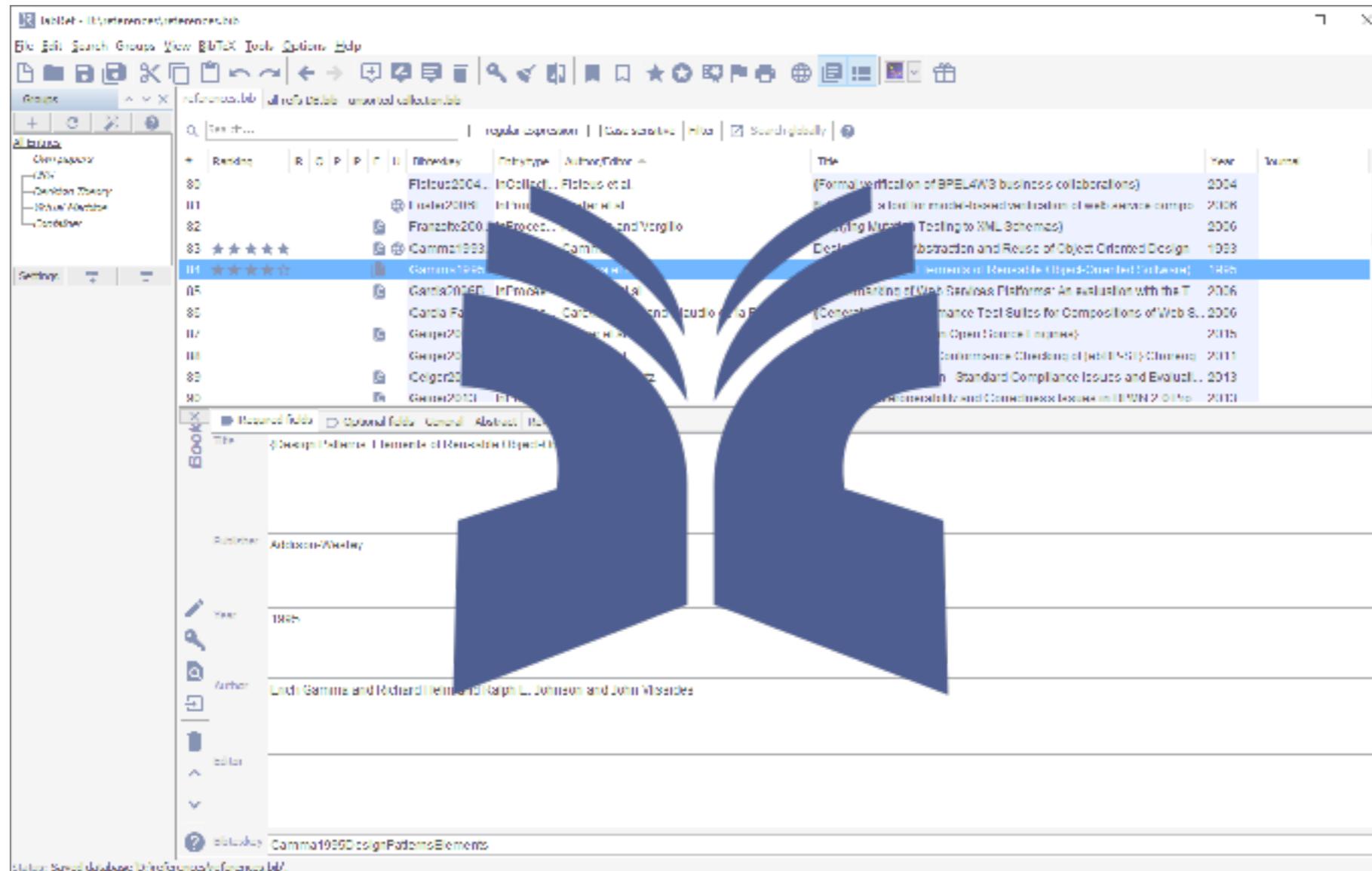
Manuel Leuenberger

SCG seminar, 31.10.2017

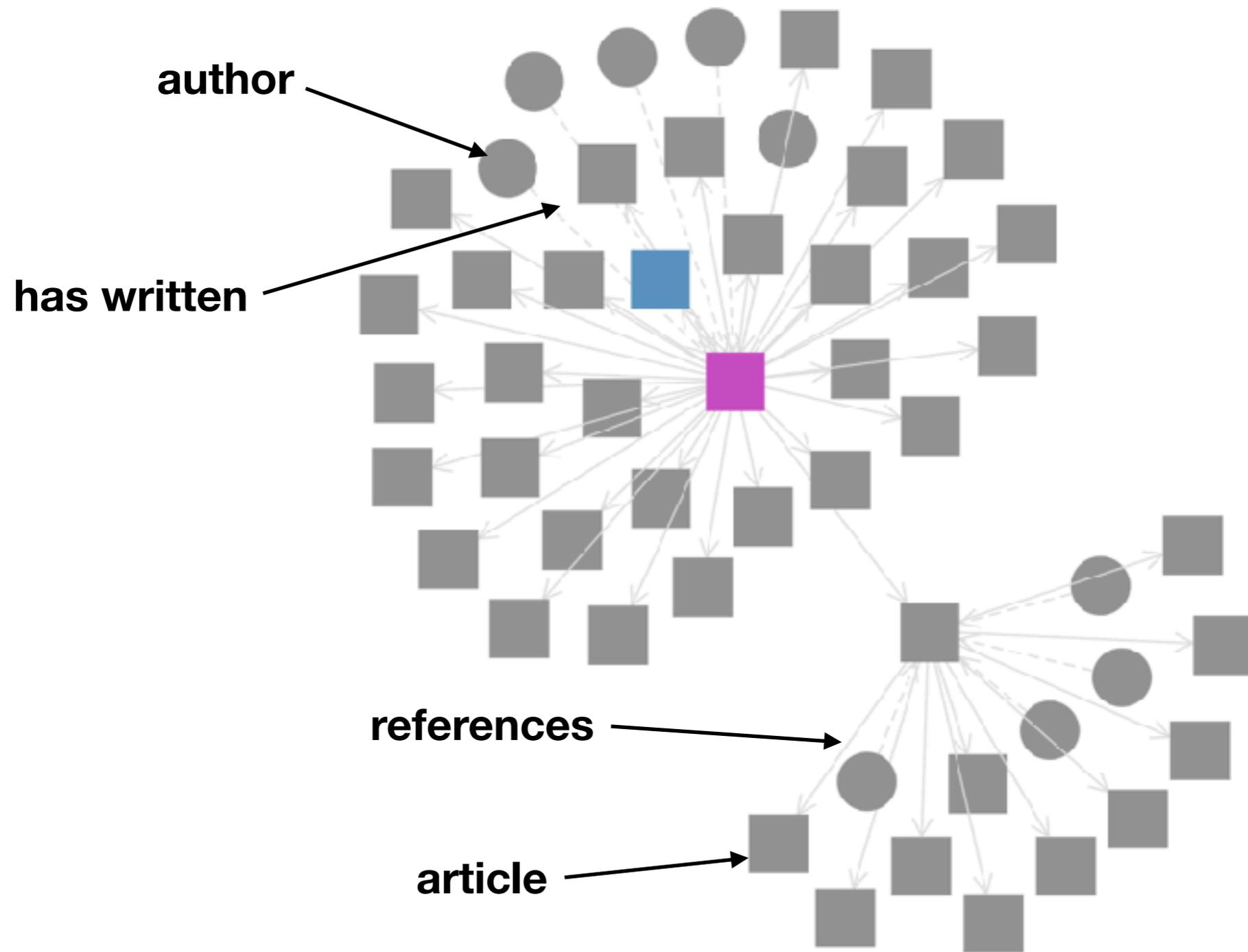
Too many context switches



I don't like tables,...



...I want graphs!



...and I want hyperlinks!

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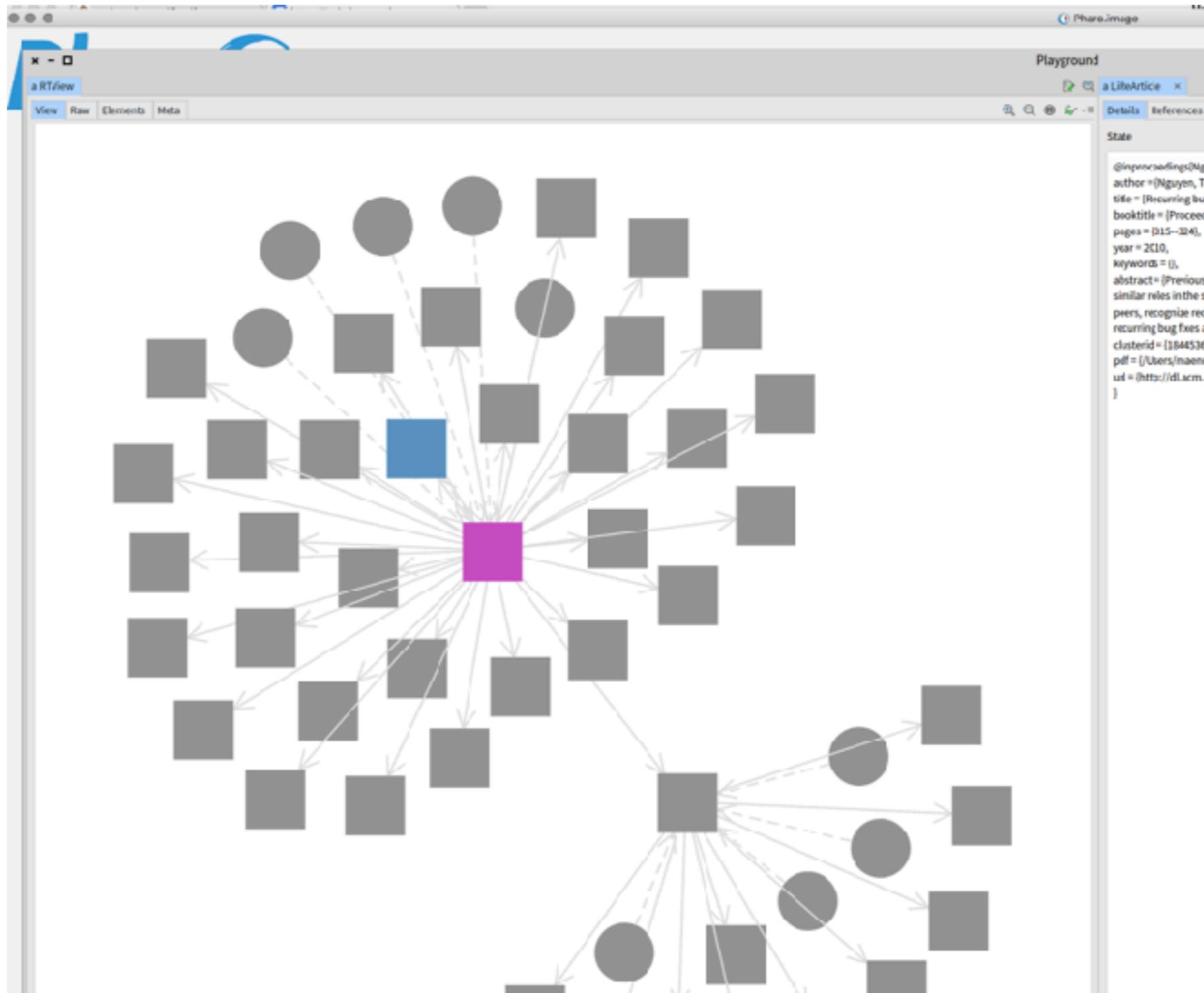
A photograph of Oprah Winfrey in a vibrant red, double-breasted dress. She is captured in a moment of intense passion, with her mouth wide open as if shouting or singing. Her arms are raised high, and she holds a black microphone in her right hand. The background is a blurred studio setting with a blue wall and wooden paneling. The text "HYPERLINKS FOR EVERYBODY!" is overlaid in large, white, bold, sans-serif font across the lower half of the image.

**HYPERLINKS FOR
EVERYBODY!**



The Integrated Literature research Environment

Demo



Issues

- data quality (BibTex, metadata extraction)
- PDF readers & custom URI schemes
- macOS + Adobe Acrobat only
- tests

Potential

- Extensible model
- How did the field evolve?
- Import/export for scgbib

Standing on the shoulder of giants

- EggShell: paper & author graph
- pdfdbscrap: fetch PDFs
- scholar.py: scrape Google Scholar
- CERMINE: metadata extraction
- PDFBox: PDF instrumentation
- Pharo: Citezen, Neo, Spec, Roassal, GT

A silhouette of a knight on a horse, holding a lance aloft, set against a bright, hazy sky. The knight is in a dynamic, forward-leaning pose, and the horse is rearing up. The entire scene is rendered in black against the light background.

Hail to the ILE!

**The future master of
BibTex
PDFs
state**