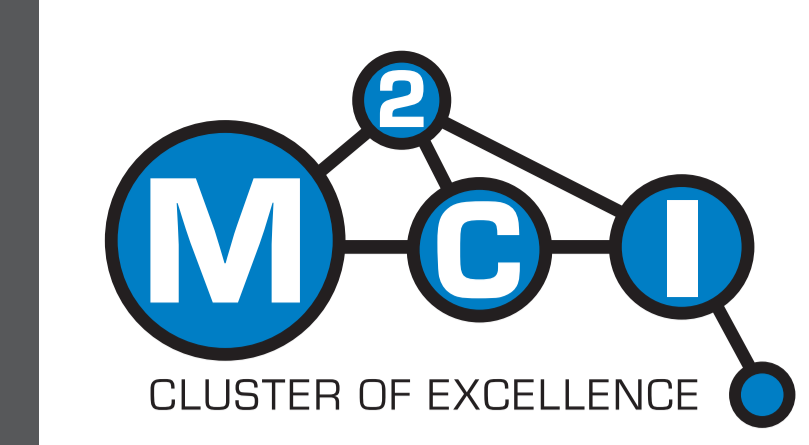


Swan : an easy-to-use web-based annotation system

Timo Gühring^{1,2} Nicklas Linz^{2,3} Rafael Theis² Annemarie Friedrich¹

¹Department of Computational Linguistics / ²Department of Computer Science, Saarland University – ³DFKI, Saarbrücken, Germany

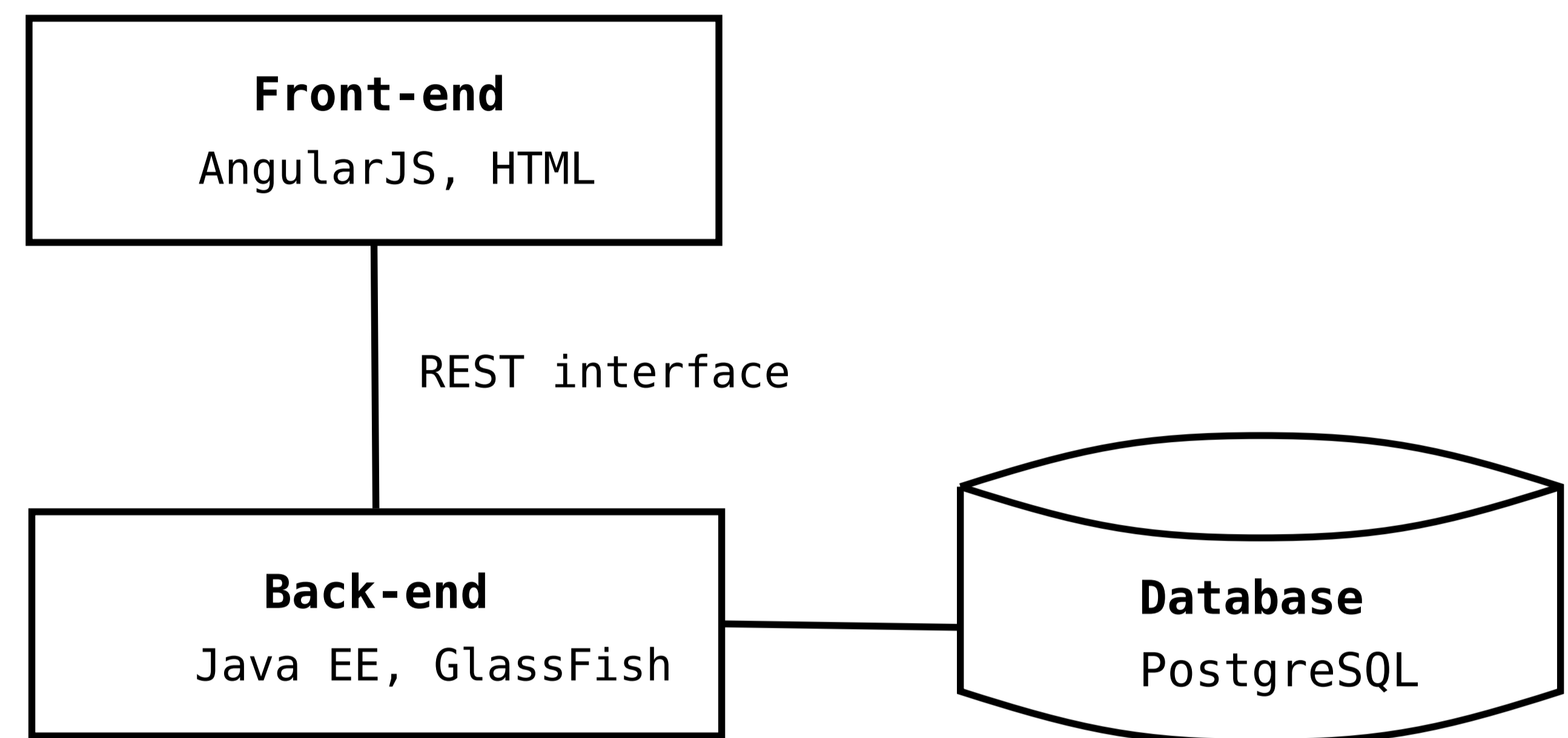


SWAN: Saar Web ANnotation System

Annotation Editor

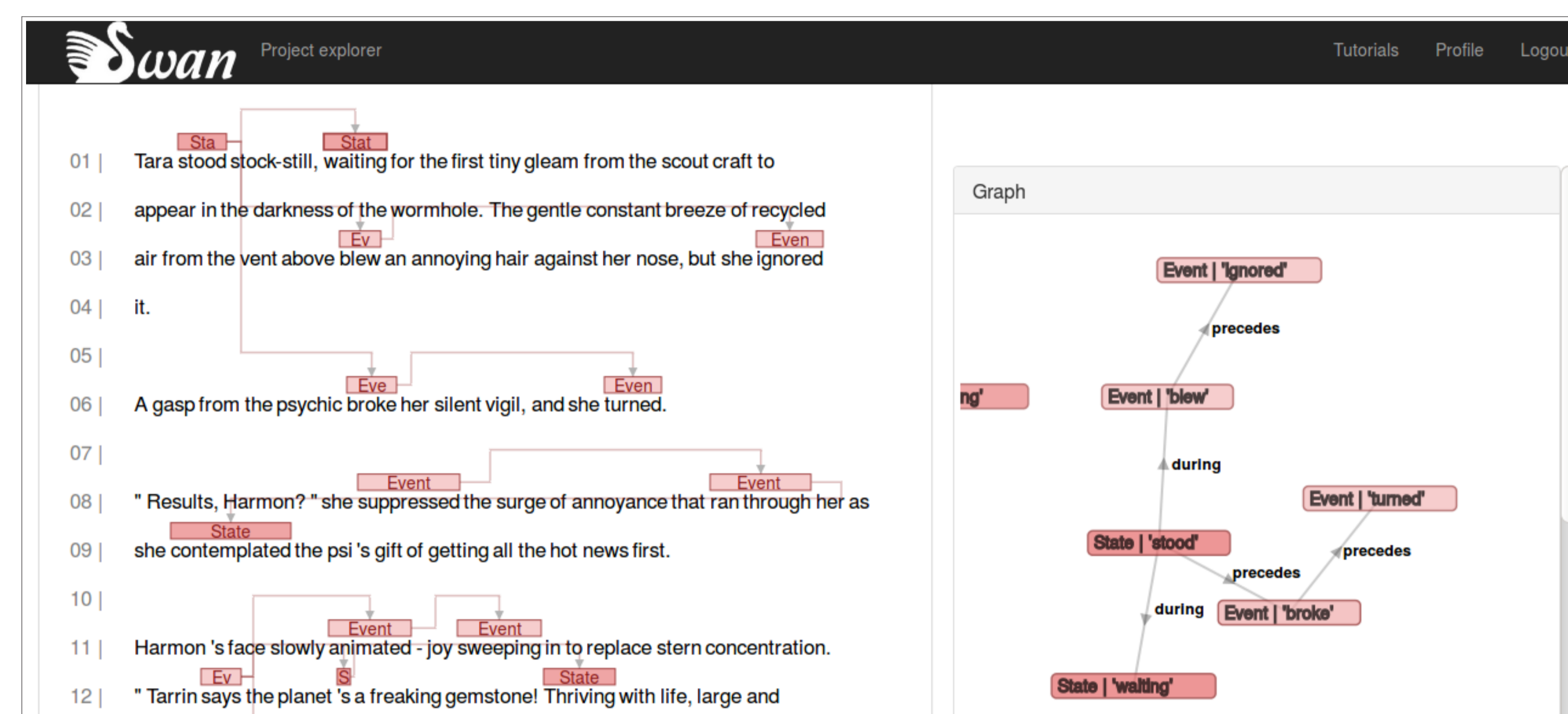
Roles

Motivation: a **usable** web-based system optimized for **discourse** annotation tasks



- ▶ Arbitrarily large documents are dynamically reloaded and rendered
- ▶ Graph offers a different perspective and a navigation option

- ▶ **Admin:** manages the installation
- ▶ **Project managers:** manage their own projects (can be shared)
- ▶ **Annotators:** work on their assigned projects, track their work hours

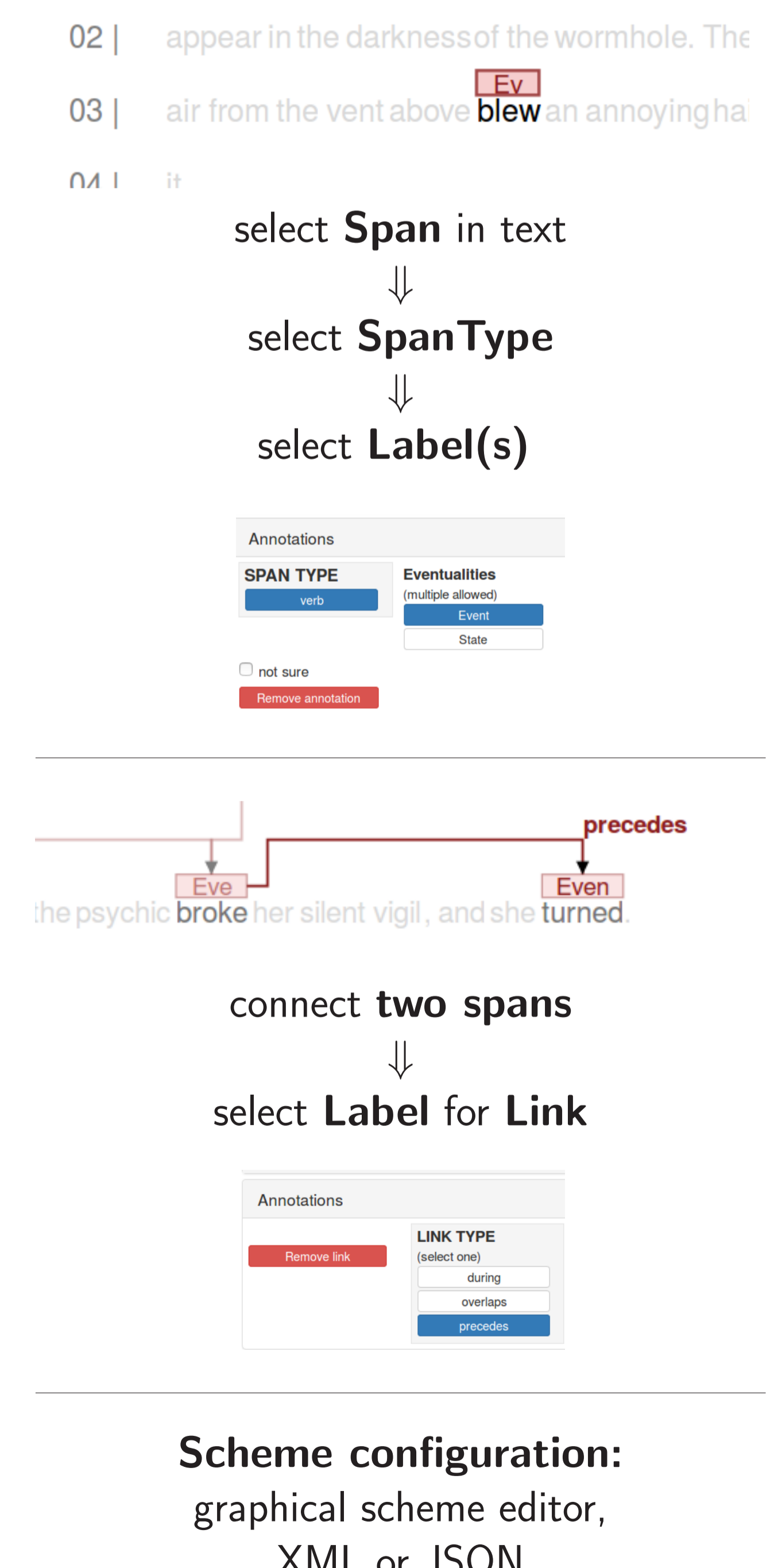


Languages

- ▶ English, German, Spanish, French (Stanford CoreNLP tokenizer)
- ▶ Whitespace (any UTF-8 whitespace tokenized input)

Annotation schemes

```
<?xml version="1.0"?>
<root>
  <name>ExampleScheme</name>
  <spanTypes>
    <spanType>Event</spanType>
  </spanTypes>
  <labelSets>
    <labelSet>
      <name>EventType</name>
      <exclusive>false</exclusive>
      <appliesToSpanTypes>
        <spanType>Event</spanType>
      </appliesToSpanTypes>
      <labels>
        <label>State</label>
        <label>Event</label>
        <label>Generic Sentence</label>
      </labels>
    </labelSet>
    <labelSet> ... </labelSet>
  </labelSets>
  <linkTypes>
    <linkType>
      <name>Temporal relation</name>
      <startSpanType>Event</startSpanType>
      <endSpanType>Event</endSpanType>
      <linkLabels>
        <label>before</label>
        <label>after</label>
        <label>overlap</label>
      </linkLabels>
    </linkType>
    <linkType> ... </linkType>
  </linkTypes>
</root>
```

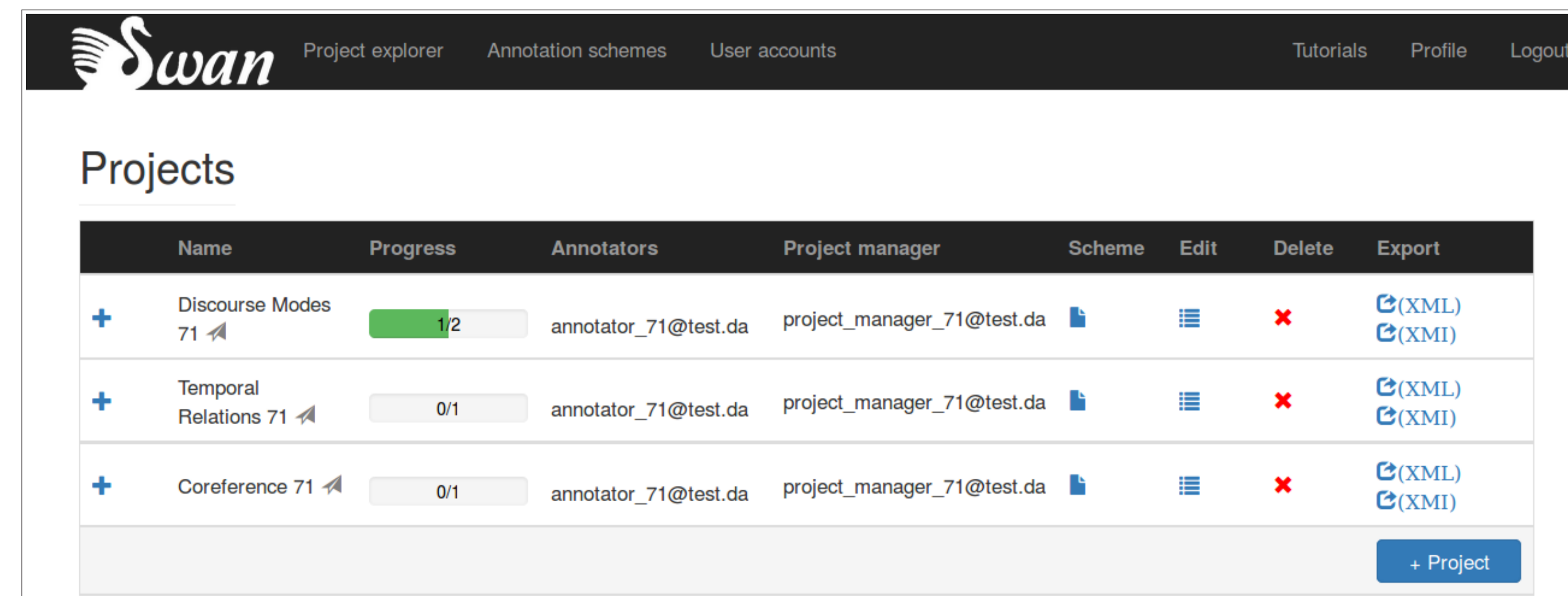


Project management

- ▶ View of project managers / admin
- ▶ Create projects and assign annotators
- ▶ Track annotation progress
- ▶ Export in XML / UIMA XMI format

Getting started

- ▶ Web demo / GitHub:
<http://swan.coli.uni-saarland.de>
<https://github.com/annefried/swan>
Feedback / bug reports welcome!
- ▶ Installation and configuration instructions available on GitHub wiki



Special thanks

- ▶ Developers Janna Hermann, Stefan Grünewald, Julia Dembowski
- ▶ Project managers and annotators Simon Ostermann, Hannah Seitz, Danyana Gateva, Melissa Peate Sørensen, Christine Bocionek, Fernando Ardente