



# Ensó

Language Workbench Challenge '13

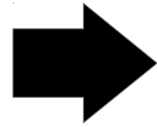
Alex Loh (UT-Austin), Tijs van der Storm (CWI). 8 Apr 2013, Cambridge.

# Enso in a nutshell

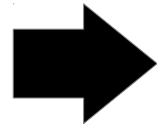
- External, (mostly) textual, DSL workbench
- Implemented as Ruby library
- Graphical and textual editor, model interpreters
- Built on top of itself

# 3 parts of a language

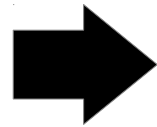
**Grammar**



**Schema**



**Interpreter**



```
drawing Drawing1
  line (4,8) (7,2)
      (7,8)
end

drawing Drawing2
  line (1,3) (7,8)
  include Drawing1
end
```

Demo

# Conclusion

- Low SLOC count
  - 84 for DSL including logic
  - 14 for instance
  - 0 lines of GPL code
- No tooling lock-in
- “Everything is a language”

