

# The Vaucanson Project

a general-purpose automata system

<http://vaucanson-project.org>

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ENST-CNRS, LaBRI, LRDE-EPITA

WATA, Leipzig — 2014-05-07



# The Vaucanson Project

Long history:

- Project started in 2000;
- This is the **second implementation** from scratch:
  - young codebase, but already usable.

Heterogeneous team:

- Jacques Sakarovitch, Akim Demaille, Sylvain Lombardy, Alexandre Duret-Lutz, Luca Saiu, Alfred M. Szmidt and other contributors
- ENST-CNRS, LRDE-EPITA, LaBRI — Paris and Bordeaux



# The software in one slide

A **general-purpose** automata system

- for students
- for Computer Science and Linguistics researchers



# The software in one slide

A **general-purpose** automata system

- for students [**easy-to-use interactive interface: Python**]
- for Computer Science and Linguistics researchers



# The software in one slide

A **general-purpose** automata system

- for students [**easy-to-use interactive interface: Python**]
- for Computer Science and Linguistics researchers [**fast core: C++**]



# The software in one slide

- A **general-purpose** automata system [**dynamic compilation**]
- for students [**easy-to-use interactive interface: Python**]
  - for Computer Science and Linguistics researchers [**fast core: C++**]



# The software in one slide

- A **general-purpose** automata system [dynamic compilation]
- for students [easy-to-use interactive interface: **Python**]
  - for Computer Science and Linguistics researchers [fast core: **C++**]

[Multi-layer architecture]



# Live demo

*[Demo]*





## Vaucanson — Links

Vaucanson is free software, released under the GNU GPL.  
The source code is available at:

<http://vaucanson-project.org>

Easy to try: you can also download a *virtual machine image*.

Contact us:

- Public mailing list: [vaucanson@lrde.epita.fr](mailto:vaucanson@lrde.epita.fr)
- IRC channel: [#vcsn](#) on the Freenode network.



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# Thank you

