

Natural Sciences Switzerland portal and database

A glance over our use of Xojó

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Swiss Academy of Sciences (SCNAT)

A network of knowledge for the benefit of society.

- SCNAT makes use of expert knowledge and promotes the dialogue between science and society.
- network of over 35,000 scientists in member organizations and working groups
- 200th anniversary in 2015

Targets of the project

- harmonize Business Processes
- support theses with an IT solution
 - replace ~60 existing grown databases and tools
- establish a common web portal to centralize dialogue
 - replace ~200 websites operated by the network

Solution

- Business Process Modeling
- Xojo Web Application
- PostgreSQL Database
- nginx Reverse Proxy
- tightly integrated CMS
- interfaces / APIs

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DEMO

n-Tier Architecture

- Persistence layer
- Data access layer
- Business logic layer
- Workflow controller
- Presentation layer

Key figures

- Classes: ~320
 - Data access: ~140
 - Business logic: ~25
 - Workflow / View: ~90
 - Helper: ~30
 - Controls / Extensions: ~40
- Modules: ~30
- Ressources: ~50
- WebStyles: ~80
- WebContainers: ~150
- WebDialogs: ~30
- WebPages: **1**
- Total Project Items: ~700
...and growing

Thank You