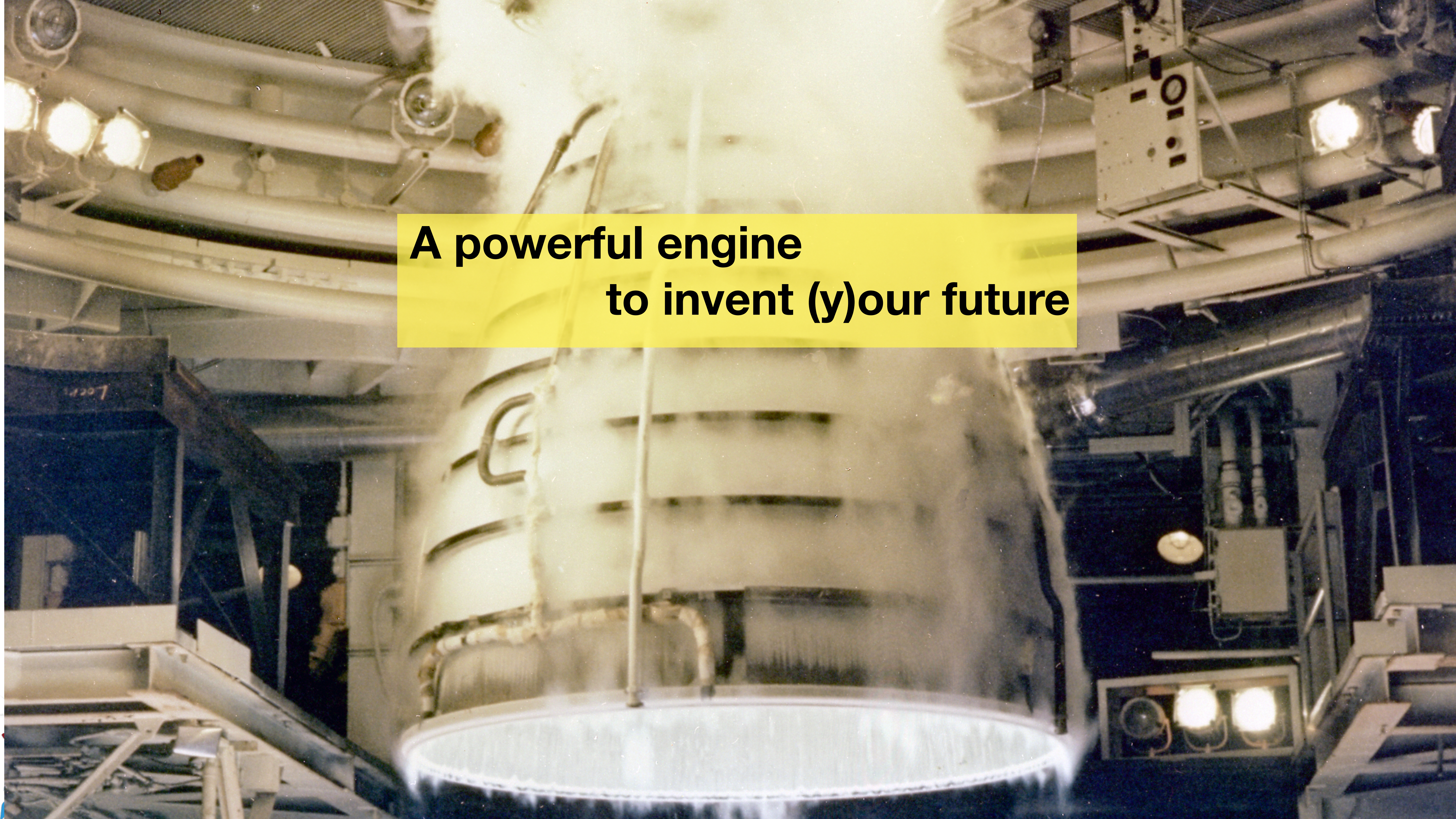


# Pharo Vision


Damien CASSOU, Stéphane DUCASSE and Luc FABRESSE

[www.pharo.org](http://www.pharo.org)  
W1S03



A large industrial engine or turbine is shown in a factory setting. The engine is a massive, cylindrical structure with a complex internal design, featuring several horizontal blades or vanes. It is surrounded by various pipes, conduits, and structural elements. The scene is illuminated by several bright, circular lights, creating a high-contrast environment. A yellow rectangular box is superimposed over the center of the image, containing the text "A powerful engine to invent (y)our future".

**A powerful engine  
to invent (y)our future**



**An ecosystem where  
innovation/business bloom**

# Some Pharo's Teachers

• Uni. of Buenos Aires • Uni. of Bern • Uni. of Maroua •  
Uni. of Brussels • Ecole des Mines de Douai • Uni. of  
Savoie • Ivan Franko Nat. Uni. of Lviv • Czech Technical  
Uni. • CULS Prague • Uni. of Quilmes • Uni. of La Plata •  
Northern Michigan Uni. • Uni. Technologica Nacional  
(UTN) • Uni. Catholic of Argentina • Uni. of Santiago • Uni.  
Policnica de Catalunya • Uni. de Bretagne Occidentale •  
Uni. of Tomsk • INFTI • Uni. of Fernhagen • IT Un. of  
Copenhagen • Uni. Cat del Sacro Cuore of Brescia • Uni.  
Yaounde • Uni. Lomé • Uni. Lille • Uni. San Martin

# Research Groups

Lafhis (AR)

Software Composition

Group (CH)

CAR (FR)

RMOD (FR)

Ummisco (IRD)

Reveal (CH)

Lysic (FR)

CEA-List (FR)

Uqbar (AR)

OC (FR)

CCMI-FIT (CZ)

ASERGA (BR)

Pleiad (CL)

\*

# Some companies

[www.2denker.de](http://www.2denker.de)  
[www.airflowing.com](http://www.airflowing.com)  
[www.beta9.be](http://www.beta9.be)  
[www.bombardier.com](http://www.bombardier.com)  
[www.cmsbox.com](http://www.cmsbox.com)  
[www.finworks.biz](http://www.finworks.biz)  
[seaside.gemstone.com](http://seaside.gemstone.com)  
[www.inceptive.be](http://www.inceptive.be)  
[www.majcon.de](http://www.majcon.de)  
[www.mindclue.ch](http://www.mindclue.ch)  
[www.miriamtech.com](http://www.miriamtech.com)  
[www.netstyle.ch](http://www.netstyle.ch)  
[www.panasoft.com](http://www.panasoft.com)  
[www.pinesoft.co.uk](http://www.pinesoft.co.uk)

[www.sharedlogic.ca](http://www.sharedlogic.ca)  
[www.smallworks.com.ar](http://www.smallworks.com.ar)  
[www.trantaria.com](http://www.trantaria.com)  
[www.yesplan.be](http://www.yesplan.be)  
[www.synectique.eu](http://www.synectique.eu)  
[www.sorabito.com](http://www.sorabito.com)  
[www.objectprofile.com](http://www.objectprofile.com)  
[www.pharocloud.com](http://www.pharocloud.com)  
[debrispublishing.com](http://debrispublishing.com)  
[spesenfuchs.de](http://spesenfuchs.de)  
[www.promedmedical.net](http://www.promedmedical.net)  
[norizzk.com](http://norizzk.com)

# Pharo Web Stack is Gorgeous

---

- \* Seaside components/REST
- \* Zinc HTTP/HTTPS, Teapot Micro server
- \* WebSockets, OAuth....
- \* Magritte MetaData (no form)
- \* Database: NoSQL (mongoDB, CouchDB, Riak), MySql, Postgres, sqlite, openDBX
- \* Protocols: Encodings, messaging...

seaside 



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Soluciones móviles para retail y trade marketing

Nos enfocamos en lo que importa del negocio  
sin perder de vista los detalles de su implementación.

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Pharo platform as a Service: put your Smalltalk web-application online at Pharocloud in just 3 clicks

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Related links

Wind Energy

**WEBDRUCK.CH**  
Web-To-Print Solution

- Design and create individual printed matter
- eShop with credit card payment
- High quality PDF output with Printing Process integration
- Thousands of orders for seven Swiss printing companies

**Quuve**

**iBizLog** - <http://www.ibizlog.com>

A product by Smallworks

**SpesenFuchs**

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COMPONENTS

**Yesplan is veelzijdige software voor het efficiënt plannen van evenementen.**

Yesplan is uiterst gebruiksvriendelijk, flexibel en makkelijk te koppelen met andere software.

**Moose**

Author	Version	Downloads	Size	File
Papert 1	Verkenningen 3.0.0	100	100KB	Download
Papert 2	Verkenningen 3.0.0	100	100KB	Download
Papert 3	Verkenningen 3.0.0	100	100KB	Download
Papert 4	Verkenningen 3.0.0	100	100KB	Download
Papert 5	Verkenningen 3.0.0	100	100KB	Download
Papert 6	Verkenningen 3.0.0	100	100KB	Download
Papert 7	Verkenningen 3.0.0	100	100KB	Download
Papert 8	Verkenningen 3.0.0	100	100KB	Download
Papert 9	Verkenningen 3.0.0	100	100KB	Download
Papert 10	Verkenningen 3.0.0	100	100KB	Download
Papert 11	Verkenningen 3.0.0	100	100KB	Download

**Moose** is a platform for software and data analysis.

Download 4.7

The Moose Book

**CSOB**

**CSOB**

**airflowing**

Organize your creative work

Sales, tasks and finances: your team and all that's essential in one place

Plans and Pricing

Manage your simple way

Take the pain away from your organization needs

**OBJECT PROFILE**

**Das Content Management mit System**

100% Inline-Editor

Drag & Drop, Copy / Paste

**2denker**

Continuous API Testing

keep your services under control 24/7

**t3**

# Some Success Stories



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Try it for FREE

Watch how it works

**Romax TECHNOLOGY**

Wind Energy

Pioneering new ways of maximising sustainable wind energy yields. Our products and services optimise asset availability, wind turbine performance and drivetrain reliability. We work with owners, operators, manufacturers, insurers and service providers worldwide.

Get in touch

Related links: InSight, RomaxWIND, Butterfly platform, Forensic engineering, Analysis service, Monitoring service

Wind Energy: Pioneering new ways of maximising sustainable wind energy yields.

**WEBDRUCK.CH**  
Web-To-Print Solution

- Design and create individual printed matter
- eShop with credit card payment
- High quality PDF output with Printing Process integration
- Thousands of orders for seven Swiss printing companies

**Quuve**

Analytics dashboard with charts and tables.

**iBizLog** - <http://www.ibizlog.com>

Business log and analytics interface.

**SpesenFuchs**

Expense management software interface.

**Pinesoft MBagger**

Software interface for mobile devices.

**CSOB**

Financial reporting and analytics dashboard.

Dedicated and cost-effective tools for software evolution

Dedicated Analyses, Dedicated tools, Decision making

**Yesplan is webbased software voor het efficiënt plannen van evenementen.**

Yesplan is uiterst gebruiksvriendelijk, flexibel en makkelijk te koppelen met andere software's.

**NTed: disaster scenario recovery**

Project	Start	End	Status
Project 1	2010-01-01	2010-01-31	Completed
Project 2	2010-02-01	2010-02-28	In Progress
Project 3	2010-03-01	2010-03-31	On Hold
Project 4	2010-04-01	2010-04-30	Completed
Project 5	2010-05-01	2010-05-31	In Progress
Project 6	2010-06-01	2010-06-30	On Hold
Project 7	2010-07-01	2010-07-31	Completed
Project 8	2010-08-01	2010-08-31	In Progress
Project 9	2010-09-01	2010-09-30	On Hold
Project 10	2010-10-01	2010-10-31	Completed
Project 11	2010-11-01	2010-11-30	In Progress

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The Mouse Book

Google search results for 'The Mouse Book'.

COMPONENTS

Software architecture diagram.

**airflowing**

Organize your creative work

Sales, tasks and finances: your team and all that's essential in one place

Plans and Pricing

Manage your simple way

Take the pain away from your organization needs

**OBJECT PROFILE**

Network analysis and visualization tool.

**CMSBOX**

Das Content Management mit System

100% Inline-Editor

Drag & Drop, Copy / Paste

**2denker**

Continuous API Testing

keep your services under control 24/7

**t3**

Map-based interface for location services.

<http://pharo.org/success>



Pharo is our vehicule  
We improve it everyday

Pharo is just starting  
Futur is exciting...



Pharo is open



You can help and get  
impact



# Pharo is an Enabler

---

“One of the things that drew me to do the Delay refactoring, is simply that I could. That is, I was amazed that I could dig so deep so easily, see a path to improvement and effect change at a fundamental level. ... it seems to have gone reasonably smoothly. That sense of mastery is seductive.” Ben Coman



# Turtles all the way down

---

A. Bryant knew ruby, python, scheme, C, objective-C,...  
but he developed Seaside in Pharo's ancestor because he  
could manipulate the stack behind the back of developers

Seaside (<http://www.seaside.st>) is based on on-demand  
stack reification



# Mid-Term Vision

---

- \* Bootstrapped core
- \* High integration with OSes and C
- \* Modular and validated distributions
- \* Powerful tools all the way
- \* Versatile system: from coffee machines to the cloud





# Industrial Consortium

home about membership reports news pharopro

## Pharo consortium portal

A clean, innovative, open-source, Smalltalk-inspired environment.

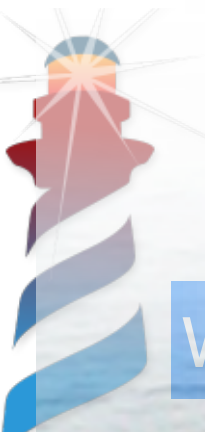
- \* <http://consortium.pharo.org>
- \* Promote Pharo
- \* Sustain Pharo development
- \* Provide trustable visibility
- \* Provide support

The

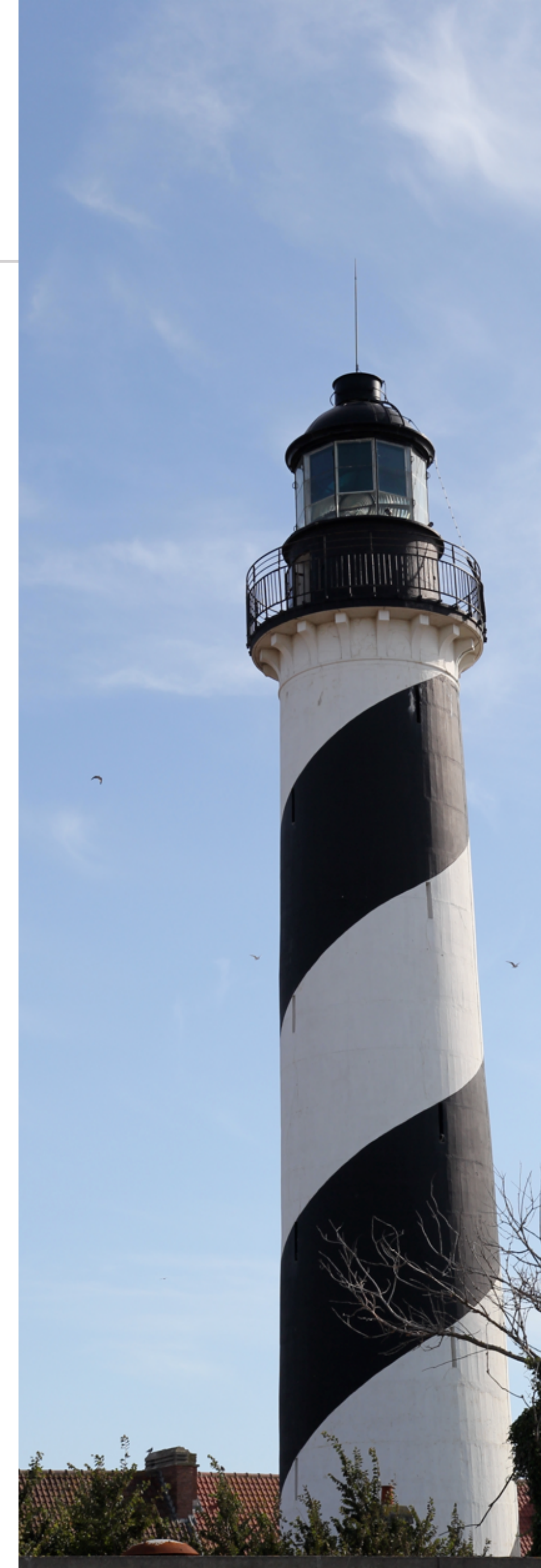
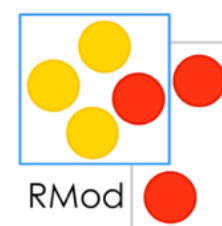
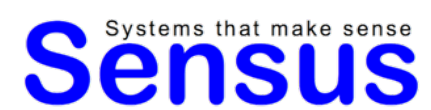
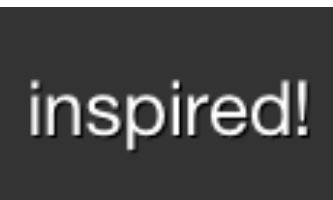
Pharo Consortium

The goal of the consortium is to structure and build an umbrella to foster business around Pharo and to promote Pharo. There are several goals for the consortium.

- **Promote.** The consortium will promote Pharo by supporting conferences, books, videos, exhibitions, and conference participation. It will improve Pharo visibility and support the expansion of its community.
- **Give the direction of Pharo.** The role of the consortium is also to help deciding the future development of Pharo. The consortium will gather input from its members from a business perspective.
- **Support the day to day development of Pharo.** The consortium will collect funds. The consortium will structure the development of Pharo. It will pay engineering tasks to be performed such as improving the virtual machine, network libraries, better JIT support or any other tasks decided by the Pharo Steering



# Industrial Members



<http://www.pharo.org>

---

Pure & elegant  
Fun, simple  
Highly productive  
Excellent for  
teaching  
Empowering  
Full access



A course by



and



in collaboration with



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