# Why do ***you*** need a strong open-source Smalltalk!

S. Ducasse

http://www.pharo.org

vmware

esug
EUROPEAN SMALLTALK USER GROUP

Inria
INVENTEURS DU MONDE NUMÉRIQUE

Lam RESEARCH

netstyle.ch

HRworks

Yesplan
Let's make it happen

debris publishing

2denker

Systems that make sense
Sensus

BetaNine
software engineering

MAD
ENVIRONNEMENT

TA MÈRE SCRL
BADASS MOBILE DEVELOPMENT

OBJECT PROFILE

CæsarSystems
Accelerate Confidently

Pleiad

Ecole d'Ingénieurs
Centre de Recherche
Mines de Douai
LILLE EURORÉGION

project
uqbar

UNIVERSITÄT BERN

RMod

lifl
Laboratoire d'Informatique Fondamentale de Lille

# Pharo

- MIT license
- Pure object language
- Great community of active doers
- Powerful
- Elegant and fun to program
- Living system under your fingers
- Mac, Linux, Android, iOS, Windows

# Some projects

Web frameworks - Seaside, iliad, HTTP2, Tide, Aida, Mustache, Oauth, WebSocket CSS styling Format parsers - XML, HTML, NeoJSON, NeoCSV. Application Security, Graphics frameworks - Roassal, Mondrian, EyeSee, GraphET, Tool builders - Glamour, Spec, XUL, MacNative, Databases - DBXTalk, Mongo, Riak, CouchDB, MySql, PunQLite. Object-Oriented databases - Magma, Goods. Database abstraction - Voyage, ROE MetaCompiler - Petit Parser, SmaCC - Proxy, Logging - SystemLogger, Toothpick, SimpleLogger Units: Aconcagua, Units Time - Chronos Calendars, Timezones Productivity Tools - Codecritics, Refactorings, Cherry picking merge tools: merge tool, Komitter Versionner, Mock frameworks (baby mock), PDFgeneration - Artefact, Testing frameworks - PhExample, SUnit Assembly generation: ASMJIT, Integration Tools: Hudson, Alternate window manager, Games: Tetris, Sokoban, Miner, Chess, CrossWords MetaModeling Frameworks - Magritte, Platypus, Cloud deployement - cloudfork cloudPharo, 3D: Roassal3d, NBOpenGL, JVM connection Bio informatics, ODE solvers, Interactive Geometry - DrGeo…

# Pharo in numbers

- 282 000 downloads on the Inria gforge
- 40-60 active commiters
- > 600 mailing-list members
- 200 license agreements
- 60 association members
- 11 industrial consortium members
- around 400 external projects or more

# Welcome to SmalltalkHub

The free, opensource, Smalltalk projects management application

**No account yet? Register!**

WARNING The following is a preview of the exploration features of SmalltalkHub. More to come!

**1708** repositories, **1390** users registered and **133313** packages uploaded.

## Recently registered users

- JuanIgnacioVaccarezza (JuanIgnacioVaccarezza)
- AmulyRaj (AmulyRaj)
- MoneyBoy (MoneyBoy)
- mattgoodwin (mattgoodwin)
- bmathias (bmathias)
- arkbar (arkbar)
- eftanga (eftanga)
- lkloster (lkloster)
- iantor (iantor)
- dposture (dposture)
- gtesta (gtesta)
- username (username)

## Recently created projects

- SpecUIAddOns (created the Mon Jul 28 2014)
- Rockola (created the Sun Jul 27 2014)
- LightsOutgame (created the Sat Jul 26 2014)
- Teapot (created the Fri Jul 25 2014)
- GeneticAlgo (created the Fri Jul 25 2014)
- ATHENA (created the Fri Jul 25 2014)
- ShcTestProject1 (created the Fri Jul 25 2014)
- FamixSQL (created the Thu Jul 24 2014)
- DeployUtils (created the Thu Jul 24 2014)
- Deprecator (created the Thu Jul 24 2014)
- WindowsPharoDeveloper (created the Thu Jul 24 2014)
- DynaCASE (created the Wed Jul 23 2014)
- argumentAnalysisPublic (created the Wed Jul 23 2014)

# We are a cool and growing community

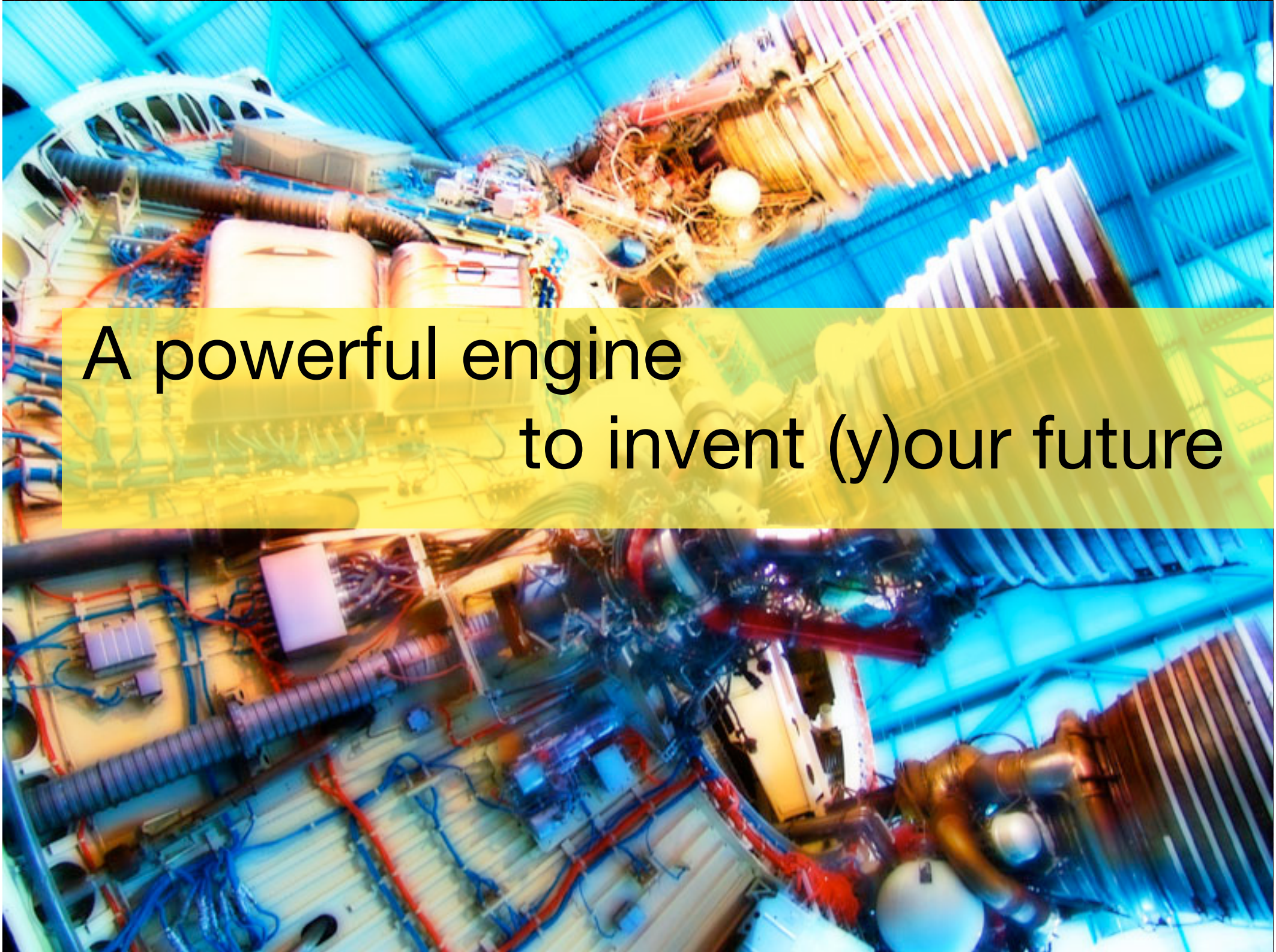
# Tweets, blogs, buzz

- Pharo 3,065 tweets / 1018 followers
- S. Ducasse tweets 513/ 735 followers
- S. Stinckwich 8712 / 1006 followers
- Moose 502 tweets/ 255 followers
- Youtube Pharo smalltalk: about 1540 videos!

# Blogs

- http://pharo.org/blogs
- http://astares.blogspot.co.uk
- http://clementbera.wordpress.com
- http://pharoweekly.wordpress.com
  - Guille Polito, Playing with Objects
  - Mariano Martinez Peck, Sending messages
  - Igor Stasenko, Computer Adventures
  - Laurent Laffont, MaGaLoMa
  - Esteban Lorenzano, The Martian Chronicles
  - Tudor Girba, Humane assessment
  - Philippe Back, The Philippe Back Report
  - Yuriy Tymchuk, Uko on Code and Sleepy Coders

where business/innovation
can bloom


A powerful engine
to invent (y)our future

# Since may 2008

- Pharo 3.0 - Apr 2014 ( around 2600 closed cases)
- Pharo 2.0 - Apr 2013 (1657 closed cases)
- Pharo 1.4 - Apr 2012 (988 closed cases)
- Pharo 1.3 (736 closed cases)
- Pharo 1.2 - mar 2011 (691 closed cases)
- Pharo 1.1 - jul 2010 (918 closed cases)
- Pharo 1.0 - oct 2009 (307 closed cases)

Why do you have interest in a strong open-source smalltalk?

We produce smart engineers!

Do you think they should be smart Python, Ruby, Scala, Javascript engineers only?

# Pharo's Teachers

• Uni. of Buenos Aires • Uni. of Bern • Uni. of Maroua • Uni. of Brussels • Ecole des Mines de Douai • Uni. de 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. of Saarland
• Uni. de Bretagne Occidentale • Uni. of Tomsk

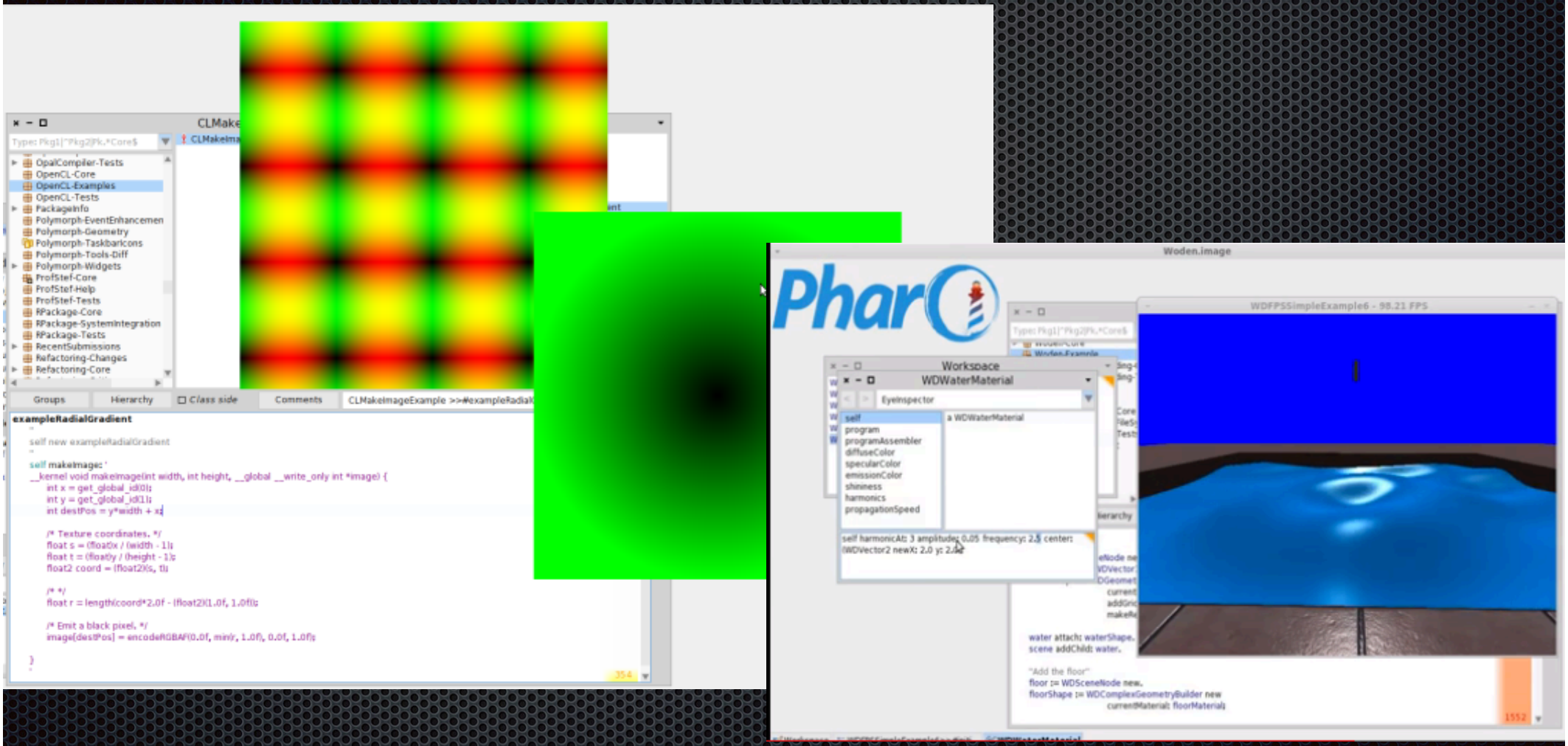
# Research Groups

Lafhis (AR)
Software Composition Group (CH)
CAR (FR)
RMOD (FR)
Ummisco (IRD)
Reveal (CH)
Lysic (FR)
Pleiad (CL)
CEA-List (FR)
Uqbar (AR)

# Design ideas

Object-centric debugging
First-class slots
Bootstrapping a Smalltalk
Vector graphic core
New modules
New frameworks
    STON, Tide, Voyage, Babymock, Mocketry…

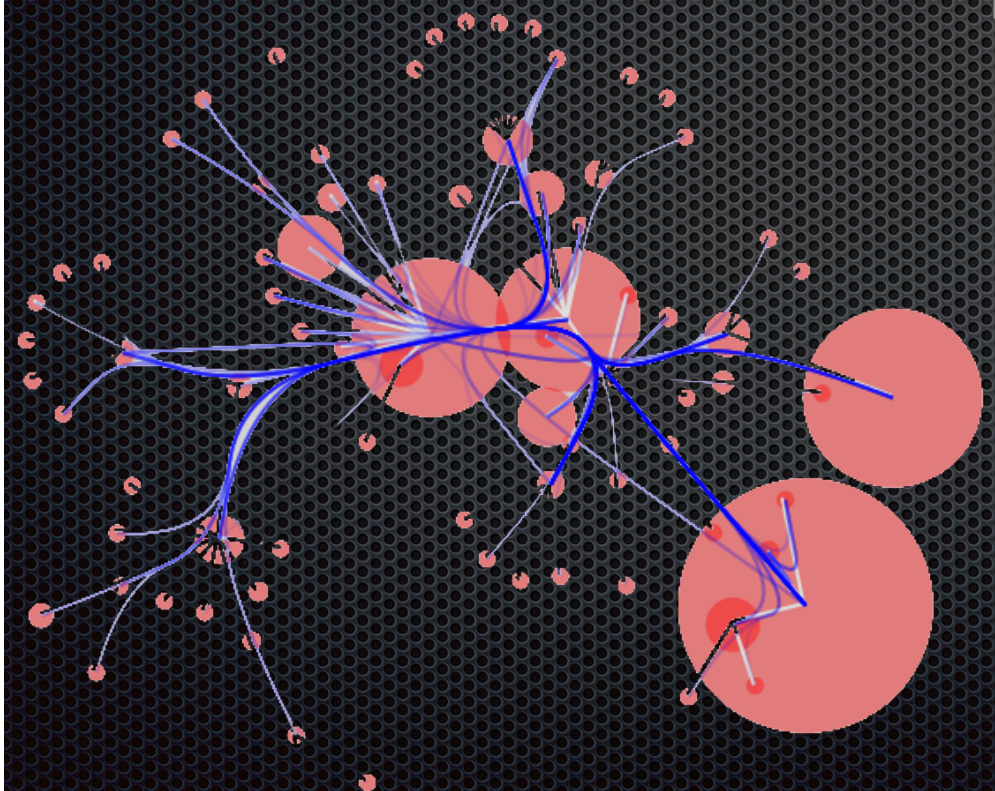
# Example: OpenCL in Pharo

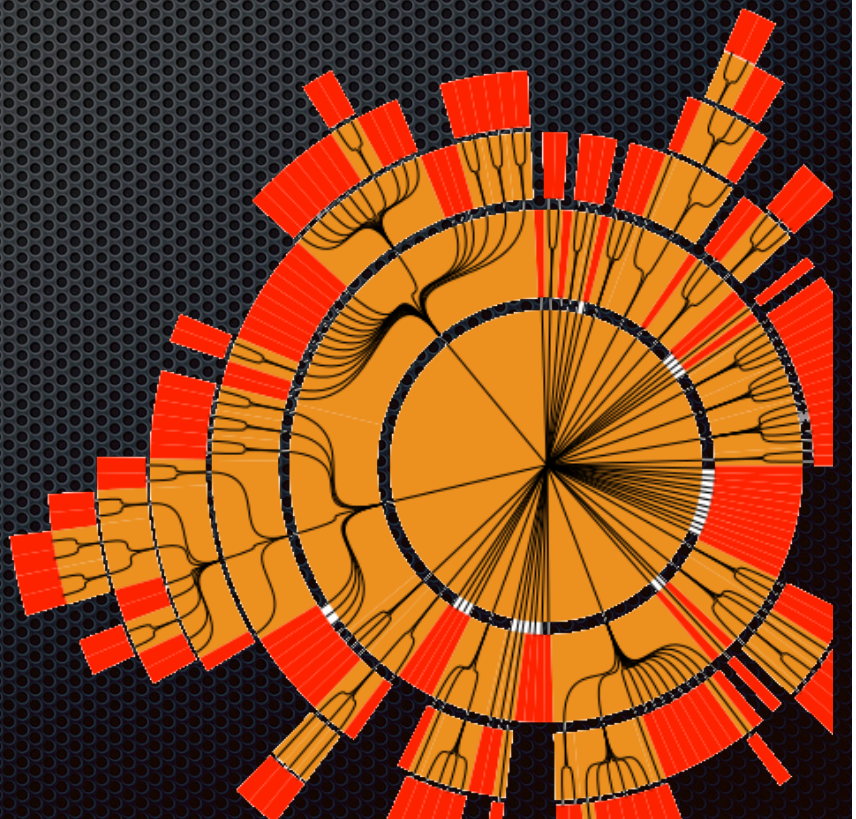



- http://youtu.be/-2ida5Q1mbg

# Proven Innovation!

# Proven Innovation!





# all MIT!

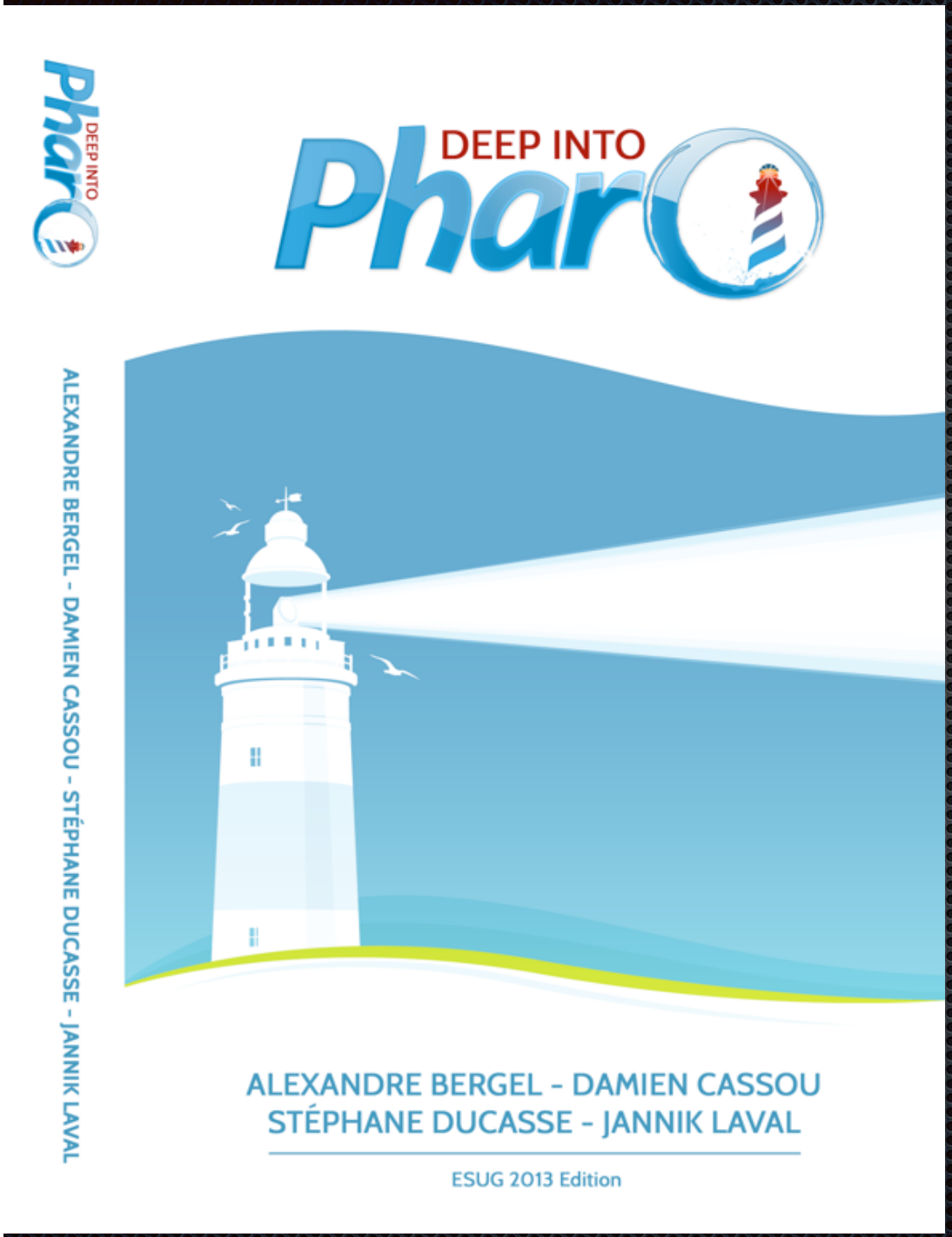
- GraphET, EyeSee
- Tide (Amber/Pharo)
- Voyage (NoSQL)
- Zinc
- WebSocket, Oauth, Riak, MongoDB, couchDB, mustache, PunQlite
- ...

# Be with the buzz
# Market it

- New frameworks
- New books!
- Activity

# International books

- Pharo by example
  - translated to french, merci!
  - translated to spanish, gracias!
  - translated to japanese, ありがとう!




- Pharo for the Entreprise
- Pharo web stack
- Fun with Pharo
  - If you want to contribute...

# They understand their benefits

GemTalk

**Systems**

LAMRC

**Back-End Wafer-Level Packaging**

MadEnvironment

HRWorks

# Pharo consortium portal

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

Pharo is a clean, innovative, open-source Smalltalk-inspired environment. Pharo's goal is to deliver a clean, innovative, free open-source Smalltalk-inspired environment. By providing a stable and small core system, excellent dev tools, and maintained releases, Pharo is an attractive platform to build and deploy mission critical Smalltalk applications. The license of Pharo is MIT with some original parts remaining under the Apache License. All contributors are required to sign our license agreement.

The consortium is for legal entities, if you are an individual that wants to support Pharo participate to the Pharo association.

## What's new (See all)

A new age for Pharo

*1 March 20135:37:47 pm by Stéphane Ducasse*

After some efforts, we are proud to announce the consortium around Pharo. With such consortium companies and academic partners will be able to collaborate and sustain the development of the Pharo envi...

Entries (RSS) and Comments (RSS)

## Industrial members

Golden

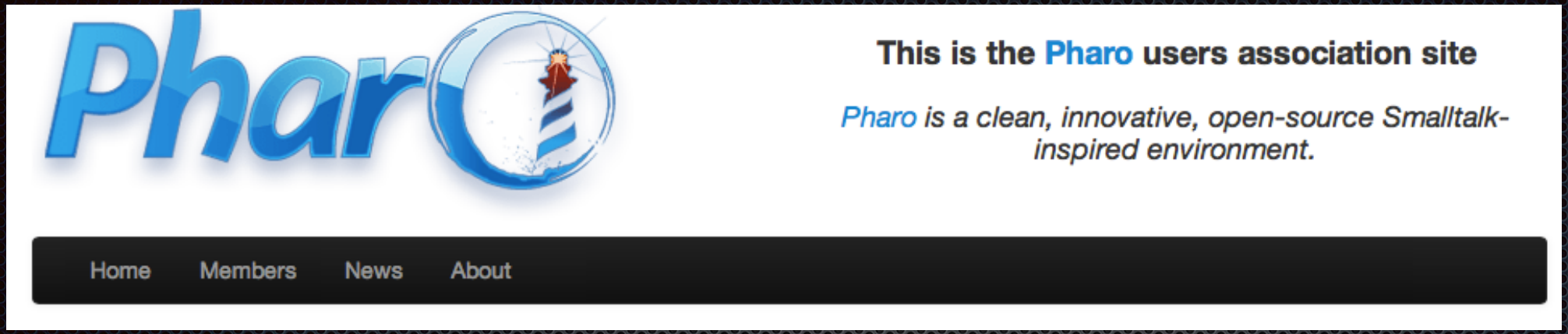
# Consortium Members

- Managed by Inria for now
- Who: companies, institutions, user groups
- Privileged access to the core development team
- Influence priorities of the next development
- Engineering support time
- Job posts
- Training/Conferences special prices

# Fees

- Gold 4000
  - 4 days of engineering time + multiple job descriptions for job dashboard + diamond sponsor.
- Silver 2000
  - two days of engineering time + one job description + diamond sponsor.
- Bronze 1000
  - one day of engineering time + diamond sponsor.

25 * 2K = 50 * 1K
= 1 full engineer for Pharo




- Managed by the Pharo Association
- Individuals
  - Premium (99 Euros)
  - Normal (40 Euros)
- Join and participate what we do!

# Join Us

Creating good energy,
software quality,
learning and having fun

http://pharo.org

where business/innovation
can bloom