



"I do enjoy Pharo" Kent Beck

A clean, innovative, open-source Smalltalk

<http://www.pharo-project.org>



Pharo?

We use our language **every** day



Pharo?

We use our language **every** day

Research

Teaching

Business



Pharo?

Why do we not continuously improve

what we use

????



Pharo?

Small simple fixes

One step at a time

Even do the **imperfect** next step

Compound Interest

Every improvement has an effect

Example: Refactoring Browser



Pharo!

We will use **this** system in 10 years

Let's make it great!



Pharo

A ***flexible*** environment to support the
innovation in/of Smalltalk.



Pharo

A **robust** environment to support doing
business in Smalltalk.



Conflict?

Robustness vs. ***Innovation***

The background features a light gray world map with a grid of latitude and longitude lines. Overlaid on the map are several colorful splatters in shades of yellow, blue, pink, and purple, primarily concentrated in the upper left quadrant.

Conflict?

Business

vs.

Research



The background features a light gray, textured surface with various colorful splatters in shades of yellow, blue, pink, and purple. A faint, light gray map of the African continent is visible in the lower half of the image.

Base Camp

Research is like an expedition

We need a stable base!

Research / Teaching

Teaching

materias.fi.uba.ar/...
scg.unibe.ch
soft.vub.ac.be/soft/
www.ensm-douai.fr
www.imus.univ-savoie.fr
www.inria.fr
materias.fi.uba.ar/7507/
www.nmu.edu
www.uca.edu.ar
www.uchile.cl
www.upc.edu

Research

- SCG, University of Bern
- SLL, Vrije Universiteit Brussel
- RMOD, INRIA
- Ecole d'Ing. d. Mines de Douai
- REVEAL, University of Lugano
- PLEIAD/DCC, Univ. of Chile
- University Louvain la Neuve
- Universidad de Buenos Aires
- LISyC
- UMMISCO

Companies

www.l0pines.com

www.2denker.de

www.agilitic.com

www.airflowing.com

www.anymorphic.com

www.ardishealth.com

www.arduinosoftware.com

www.beta9.be

www.bombardier.com

www.cmsbox.com

www.doslovno.info

www.finworks.biz

seaside.gemstone.com

www.ibizlog.com

www.inceptive.be

www.jooshr.com

www.majcon.de

www.mindclue.ch

www.miriamtech.com

www.monkeysnatchbanana.com

www.myneat.org

www.netstyle.ch

www.nidea.eu

www.panasoft.com

www.pinesoft.co.uk

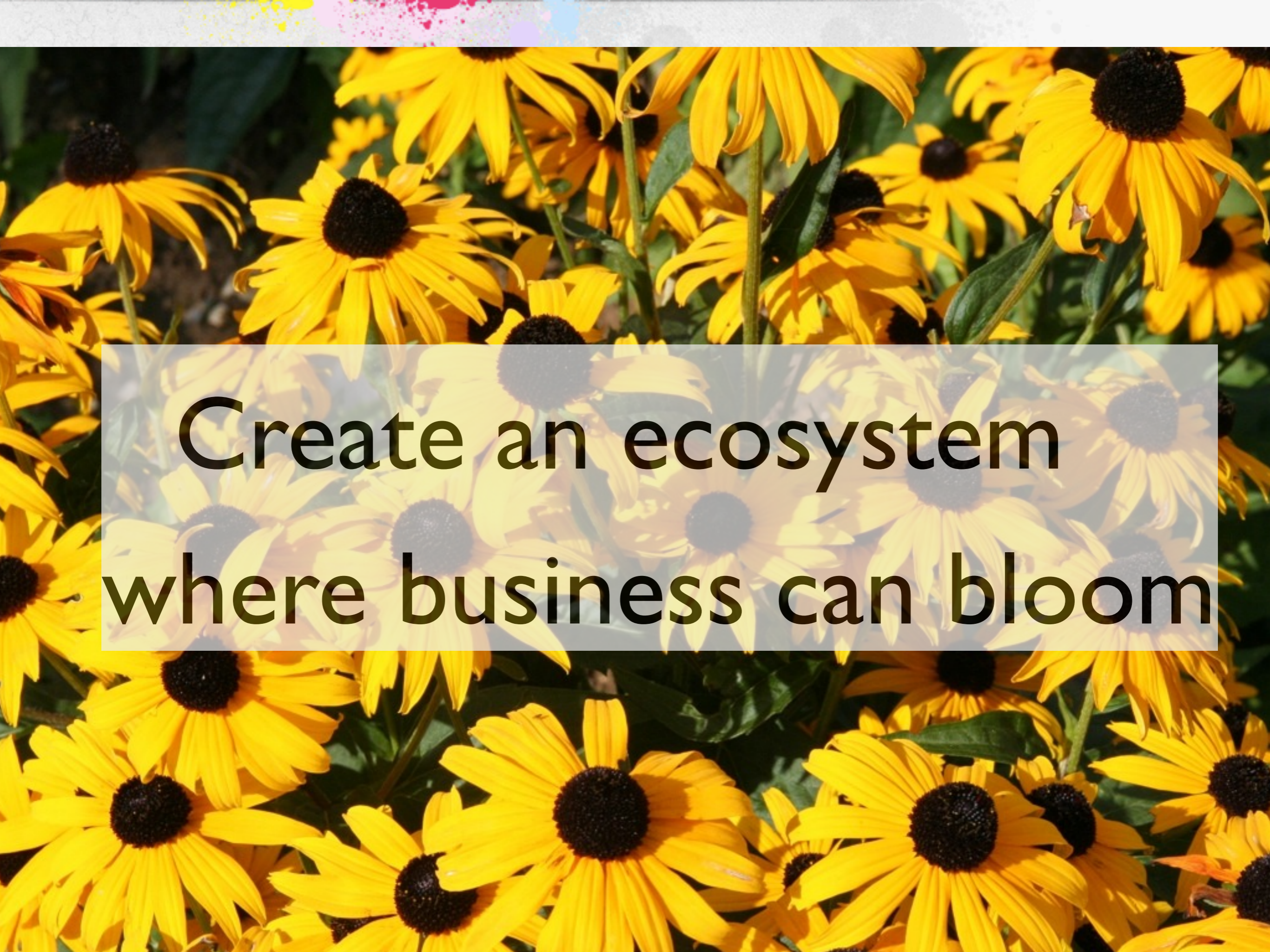
www.promedmedical.net

www.sharedlogic.ca

www.smallworks.com.ar

www.sw-eng.ch

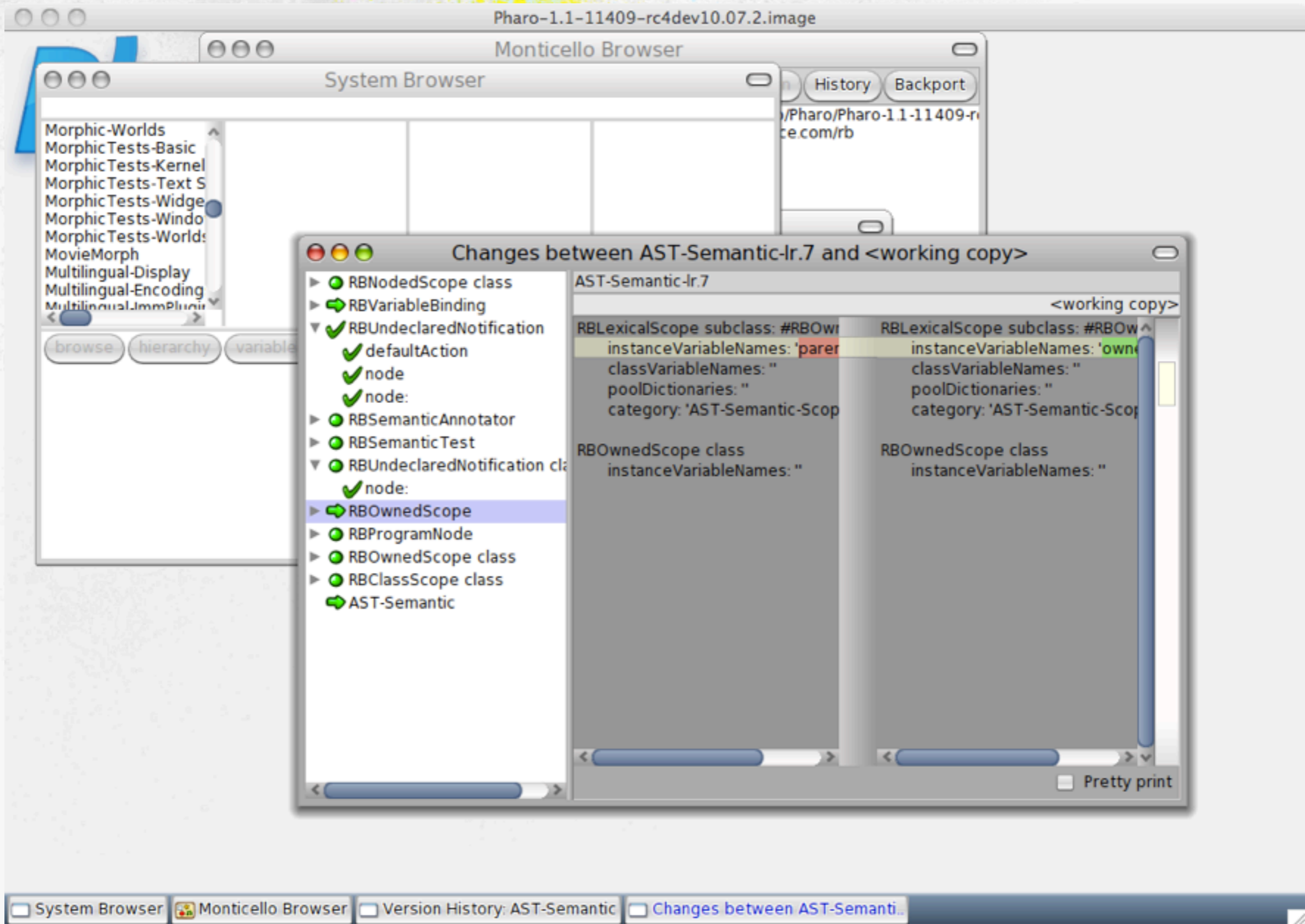
www.trantaria.com



**Create an ecosystem
where business can bloom**

The background features a light gray, textured surface with a faint, large-scale map of the African continent. Overlaid on this are various colorful splatters and spots in shades of yellow, green, blue, pink, and purple, primarily concentrated in the upper-left quadrant. The word "Showcase" is centered in a bold, black, sans-serif font.

Showcase



Search the Seaside

seaside The fast lane to HTTP

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Seaside 2.8

Memory Requirements



News

[\[Smalltalk Tidbits, Industry Rants\] Industry Misinterpretations 144: Children of Smalltalk](#) 12 July 2009

You'll have to listen to the entire podcast to understand where the title comes from :) This week ...

[London Geek Night](#) 10 July 2009

I have some pictures to share for people that missed the London Geek Nights with the title Seaside: ...

[Web Velocity released](#) 29 June 2009

Big news from Cincom on the Seaside mailing list today: they've made an evaluation version of their ...

[London](#) 23 June 2009

I'll be in London (UK) on Wednesday June 24 for 10 days or so. If anyone around there wants to meet ...

[Seaside 2.8.4 and Pharo](#) 5 June 2009

We just announced Seaside 2.8.4, the fourth maintenance release for Seaside 2.8. Again this release ...

[more](#)



Seaside is a free and [Open Source™](#) web application framework distributed under the [MIT License](#).

Seaside is available on the following Smalltalk platforms:

- [Pharo Smalltalk \(download\)](#)
- [Cincom Smalltalk](#)
- [Dolphin Smalltalk](#)
- [GemStone Smalltalk](#)
- [GNU Smalltalk](#)
- [VA Smalltalk](#)

[more](#)



pier

Pier is a content management system that is light, flexible and free. It is light as in double click and go ([download it](#)). It is flexible as in make it be what you want ([learn more](#)). It is free as in freedom ([MIT license](#)).

Pier 1.2

11 July 2009

Pier 1.2 is now available.

What's new: * Mature value links (see Pier syntax for more details) * ...

July Pier sprint

11 July 2009

Yesterday, Lukas and me spent an intense afternoon working on Pier. We focused on closing the open ...

Pier sprint

5 April 2009

Pier-session.jpg Yesterday, Lukas and me sprinted intensively through Pier. It was quite exciting....

[Read more blog entries ...](#)



GEMSTONE

Seaside under GLASS

GemStone • Linux • Apache • Seaside • Smalltalk

Smalltalk with OO-Database

Pharo is the IDE

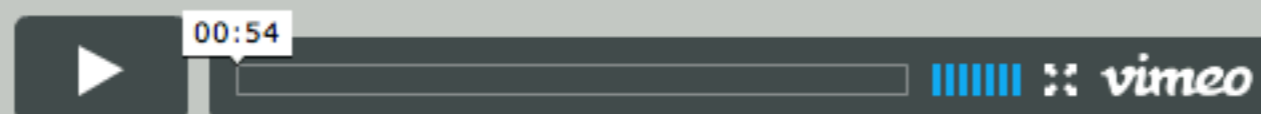

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Moose is a platform for software and data analysis.

It is an open source project since 1996. It is supported by several research groups around the world, and it is increasingly adopted in industrial projects.

[Download 4.0](#)
[The Moose Book](#)

Moose and the story of an analysis



[New tutorials for Orion and Torch](#)

23 August 2010

Orion is a reengineering tool which can simulate changes and compare their impact on multiple versio...

[Moose nominated for the CH Open Souce Awards](#)

9 August 2010

Moose was nominated for the CH Open Source Awards.

[TextLint](#)

29 July 2010

TextLint is a tool to define rules and to check for common style errors in natural language.

TextLint

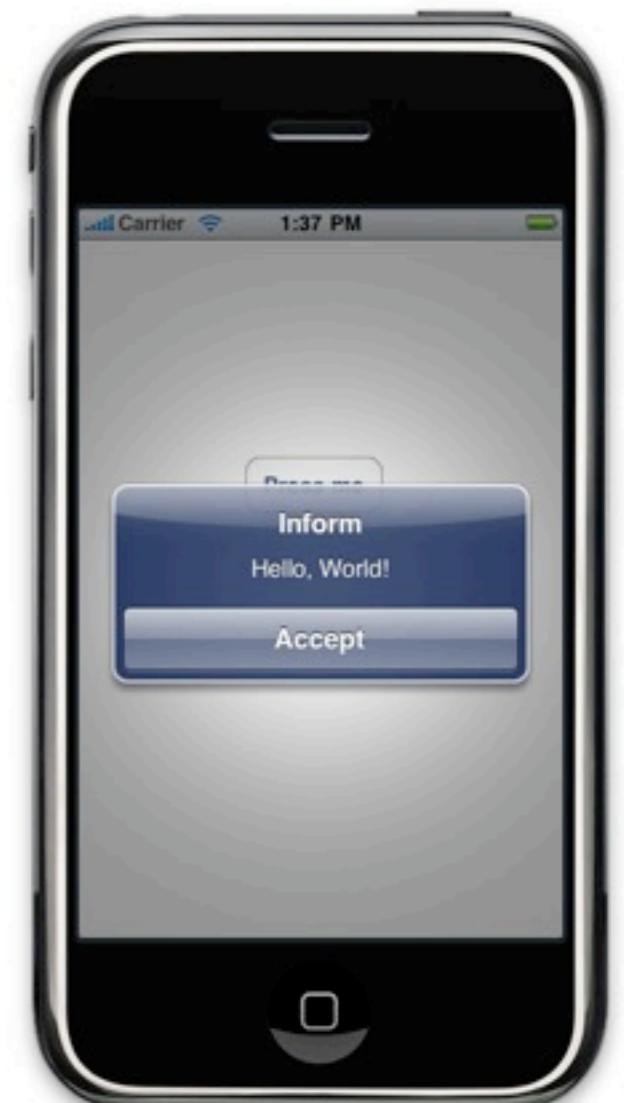
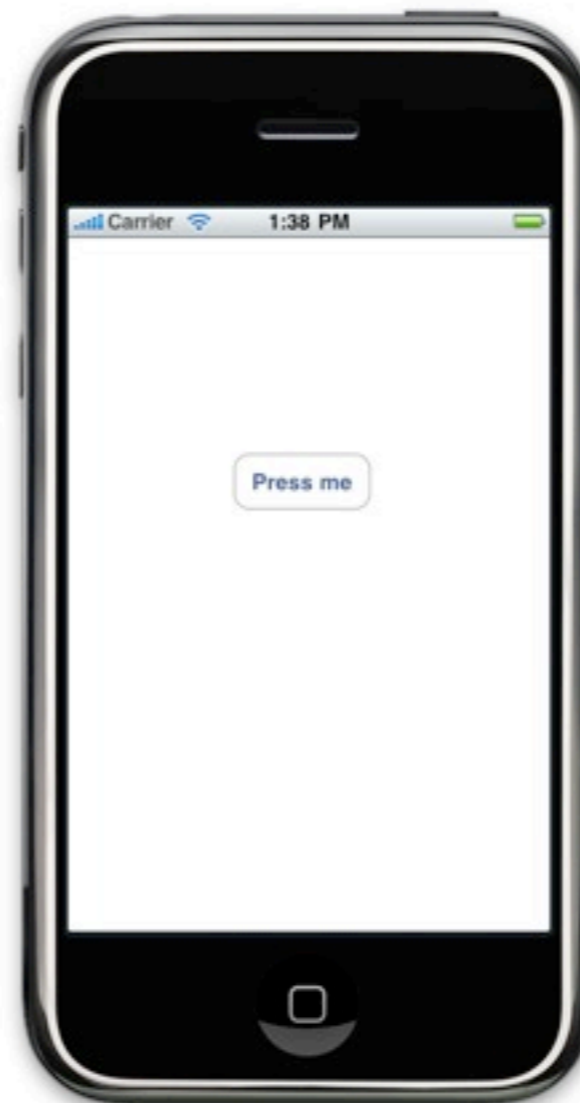
Pinesoft MBagger

The screenshot displays the Pinesoft MBagger software interface. At the top left is the Pinesoft logo with the tagline "agile answers". The main area shows a printed label with the following text: "Pinesoft Warranty Parts", a barcode, the number "22489839", "Depot 1 DTR3 Col/Ret", and "A N Other Nails". Above the label are two horizontal sliders with numerical values "14" and "21". To the right of the label is a control panel with buttons for "Sharpen", "Low/Fine", "Mixed", "High/Bold", "Custom 1", "Custom 2", and "Custom 3". Below these is a printer icon and the text "4\"x3\"", and at the bottom right is an "Auto Print" button. At the bottom left, there is a "Name: Custom 1" field, a keyboard icon, and a "Back" button.

iPhone

Mars +
Deimos

Esteban
Lorenzano



The background features a light gray, textured surface with a faint, circular map of the African continent. Overlaid on this are various colorful splatters and dots in shades of yellow, green, blue, pink, and purple, primarily concentrated in the upper-left quadrant. The text 'The Past' is centered in a bold, black, sans-serif font.

The Past

1.0

Started with Squeak 3.9 (2008)

Major Cleanups (MVC, eToys)

+ New UI Look / TrueType

+ Tools

+ **Block Closures** (*thanks Eliot*)

+ **Lots** of bugfixes and small improvements

+ Preferences clean up

+ *MIT license clean*



Update ~1200 Bug-reports closed


470 Updates

Release Candidate: October 2009

Release: April 2010

1.1

- Performance
- More cleanups and Simplifications
- Small deployment image (6.2 MB)
- Settings framework
- New world menu
- Native host menu support for Mac



Update 883 Bug-reports closed

410 Updates

Released: July, 26, 2010

The background features a light gray, textured surface with a faint, stylized map of the African continent. Overlaid on this are various colorful splatters and dots in shades of yellow, green, blue, pink, and purple, primarily concentrated in the upper left quadrant.

The Present



Update ~300 Bug-reports closed

141 Updates

Release Candidate: October 2010



Future



**The Future is what
we do**

Build Server

OpalCompiler [Hudson]

http://hudson.lukas-renggli.ch/job/OpalCompiler/

Read Later Google Maps Basecamp IntegratorGTD PharoBug CompilerBug Highrise PrintWhatYouLike Toggl Hudson

Hudson

Hudson » OpalCompiler

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[Coverage Trend](#)

Project OpalCompiler

The Opal Compiler

[Last Successful Artifacts](#)

- [opal.changes](#)
- [opal.image](#)
- [opal-tests.changes](#)
- [opal-tests.image](#)

[Recent Changes](#)

[Latest Test Result \(57 failures / ±0\)](#)

Build History (trend)

#77	Sep 13, 2010 2:21:04 PM
#76	Sep 11, 2010 8:44:06 AM
#75	Sep 11, 2010 8:07:10 AM
#74	Sep 10, 2010 10:31:22 PM
#73	Sep 10, 2010 8:03:56 PM
#72	Sep 10, 2010 7:57:56 PM
#71	Sep 10, 2010 6:49:14 PM
#70	Sep 10, 2010 3:26:55 PM
#69	Sep 10, 2010 11:21:47 AM
#68	Sep 10, 2010 9:19:13 AM

[for all](#) [for failures](#)

Upstream Projects

- Development

Permalinks

- [Last build \(#77\), 18 hr ago](#)
- [Last successful build \(#77\), 18 hr ago](#)
- [Last unstable build \(#77\), 18 hr ago](#)
- [Last unsuccessful build \(#77\), 18 hr ago](#)

Checkstyle Trend

Build	Count
#68	250
#69	250
#70	250
#71	250
#72	250
#73	250
#74	250
#75	250
#76	250

Test Result Trend

Build	Count
#68	400
#69	400
#70	400
#71	400
#72	400
#73	400
#74	400
#75	400
#76	400

Opal

Based on “new compiler”

Uses RB AST

Intermediate Representation of Byte-code

Bytecode Transformations

Plugin Architecture

Everybody can help

Reporting bugs
Confirming bugs
Writing tests
Writing examples
Writing comments
Simple contributing fixes
Deep discussion...

Open Pharo Sprints

May 2008 Bern

July 2009 Bern

October 2009 Lille

November 2009 Buenos Aires

March 2010 Bern

May 2010 Buenos Aires

June 2010 Bern

June 2010 Bruxelles

July 2010 London

September 2010 Barcelona

September 2010 Lille



Books

Pharo by example
vol. 1 is out

Pharo by example
vol. 2 is on
preparation

Thanks



Chis Vasile Andrei
Diego Geffner
Gloria Bianchi
Gabriel Calero
Andres Valloud
Jose Mettini
Pablo Gancharov
Nick Ager
Bart Veenstra
Sean DeNigris?
Tim Mackinnon
Nial Ross
Boris Popov
Mariano Abel Coca
Jean-Baptiste Arnaud
Gabriela Arevalo
German Arduino
Hans Beck
Alexandre Bergel
Cedric Beler
Patrick Barroca
Adrian Barreau
Torsten Bergmann
Matthias Berth
Andrew Black
Ralph Boland
Noury Bouraqadi
Tristan Bourgois
Johan Brichau
Brian Brown
Camillo Bruni
Sven vanCaekenberghe
Gwenael Casaccio
Damien Cassou
Nicolas Cellier
Gary Chambers
Danny Chan
Yanni Chiu
Miguel Coba

Juan Pablo Cook
Gabriel Cotelli
Giovanni Corrigan
Carlos Crosetti
Cyrille Delaunay
Sergio DelFranco?
Simon Denier
Marcus Denker
Ramiro Diaz Trepas
Ken Dickey
Stephane Ducasse
Stephan Eggermont
Luc Fabresse
Matthew Fulmer
Hilaire Fernandes
Julian Fitzell
James Foster
Bart Gauquie
Tudor Girba
Sean Glazier
Darin Greaham
Carla Griggio
Norbert Hartl
Dale Henrichs
George Herolyants
Reinout Heeck
Eric Hochmeister
Peter Hugosson-Miller
Henrik Sperre Johansen
Stefan Kapusnik
Andy Kellens
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Adrian Lienhard
Andreas Leidig
German Leiva
Michael Lucas-Smith
Esteban Lorenzano
Francisco Ortiz Peñaloza

Mariano Martinez Peck
Philipp Marshall
Dave Mason
John McIntosh
Martin McClure
Johnaton Meichtry
Jannick Menanteau
Eliot Miranda
Yann Monclair
Hernan Morales Durand
Diogenes Moreira
Mike Muller
Oscar Nierstrasz
David J Pennell
Joseph Pelrine
Bernardt Pieber
Alain Plantec
Damien Pollet
Guillermo Polito
Lukas Renggli
Jorge Ressia
Mike Roberts
Robert Rothwell
David Rotlisberger
Michael Rueger
Rabak Scarpini
Alex Schenkman
Bill Schwab
Niko Schwarz
Stan Sheperd
Igor Stasenko
Francois Stephany
Serge Stinckwich
Mathieu Suen
Lawrence Trutter
Andrew Tween
Carlo Teixeira
Veronica Uquillaz-Gomez
Toon Verwaest
Martin von Loewis
Juan Vuletich
Steven Wirts
Hernan Wilkinson

Join us!

Creating good energy,
software quality,
learning and having fun

<http://pharo-project.org>