



*A Dynamic Environment for
Business and Research*

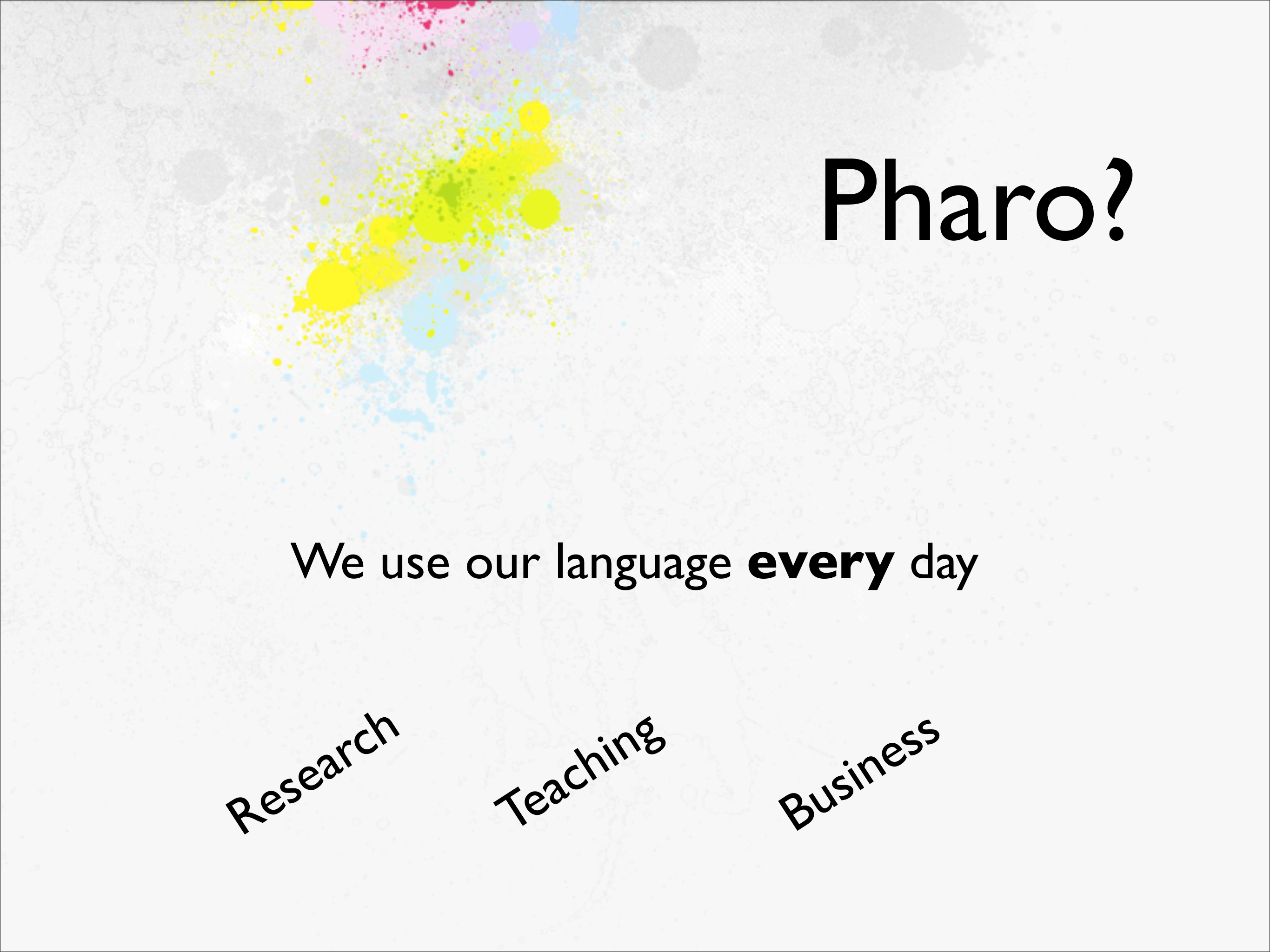
<http://www.pharo-project.org>

Marcus Denker

The background of the slide is a light gray with a faint, textured world map. Overlaid on the map are numerous colorful splatters and dots in shades of yellow, blue, pink, and purple, primarily concentrated in the upper left quadrant.

Pharo?

We use our language **every** day



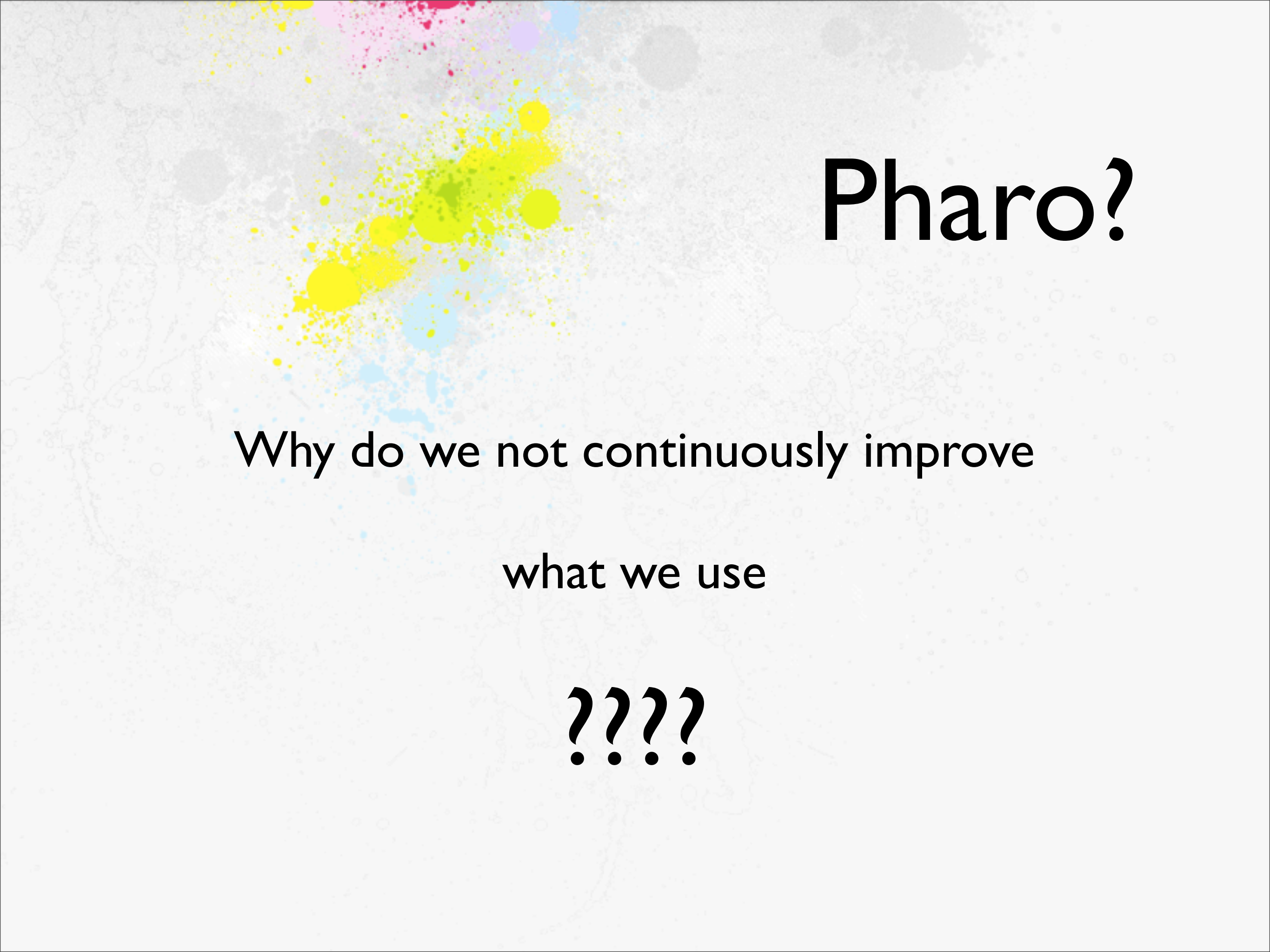
Pharo?

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

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Pharo!

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

Let's make it great!

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Pharo

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

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Pharo

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



Conflict?

Robustness vs. ***Innovation***

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Conflict?

Business

vs.

Research



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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.monkeysntchbanana.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

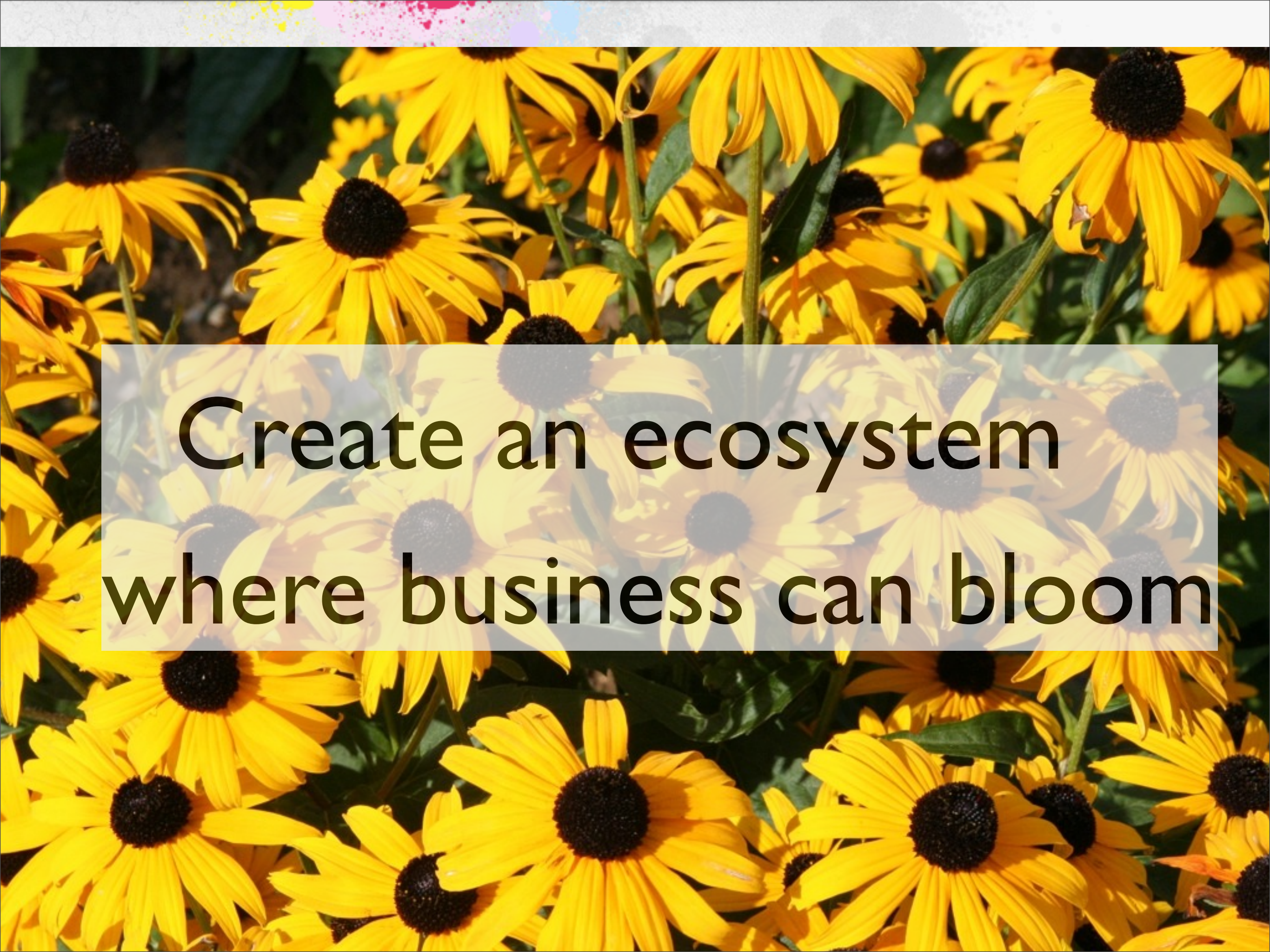
www.sw-eng.ch

www.trantaria.com

A Hotspot



Universidad Nacional de La Plata
Facultad de Ciencias Exactas



Create an ecosystem
where business can bloom



Showcase

Business



1P



http://www.seaside.st/



Google



Alltop

postini

squeaknewcompiler

iPhone Dev Center

4-Seasons.TV

seaside.st: Home



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](#)

download



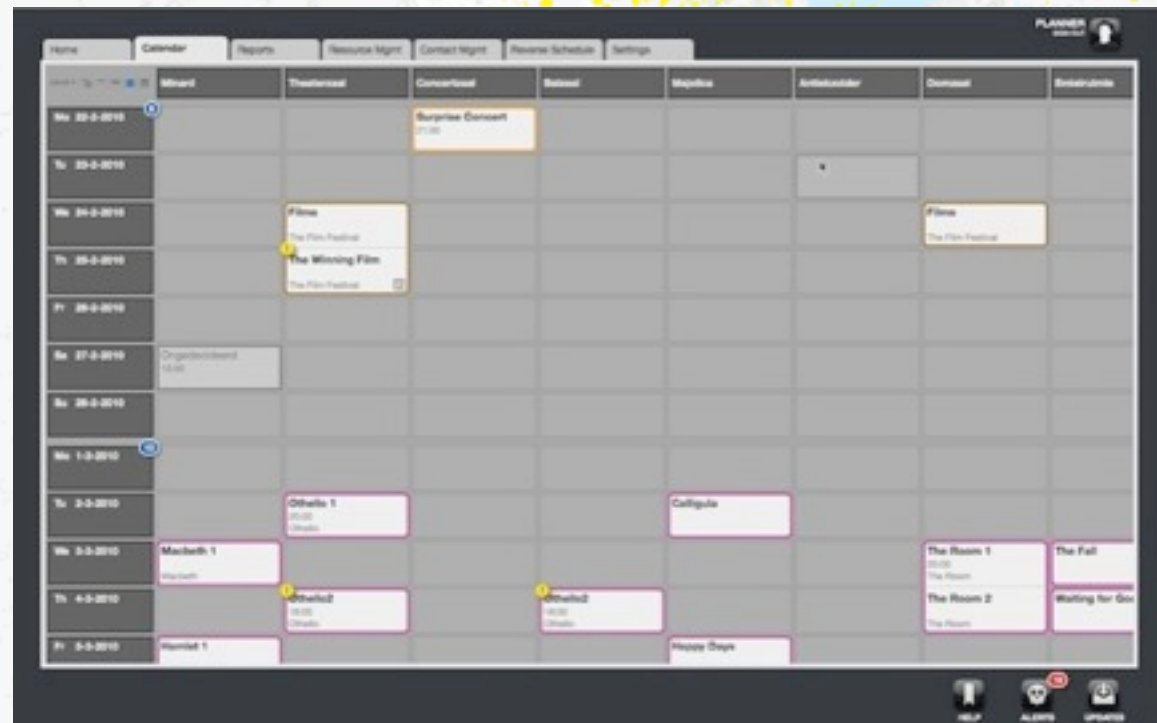
Seaside is a free and [Open Source™](#) web application framework distributed under the [MIT License](#).

Seaside is available on the following Smalltalk platforms:

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

[more](#)

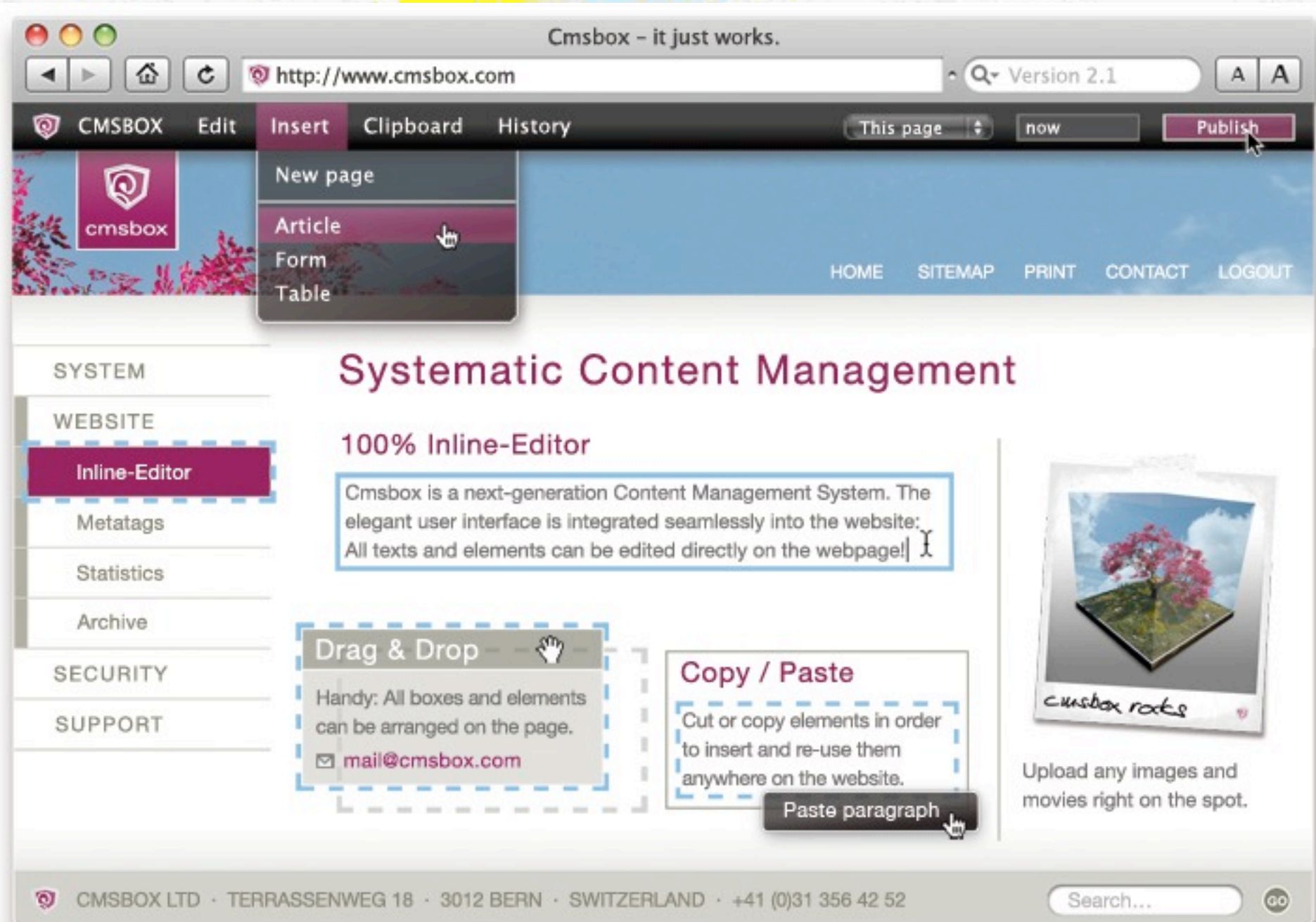

Inceptive



ENTERPRISE RESOURCE PLANNING



CMSBox



cmsbox

Pinesoft MBagger





GEMSTONE

Seaside under GLASS

GemStone • Linux • Apache • Seaside • Smalltalk

Smalltalk with OO-Database

Pharo is the IDE



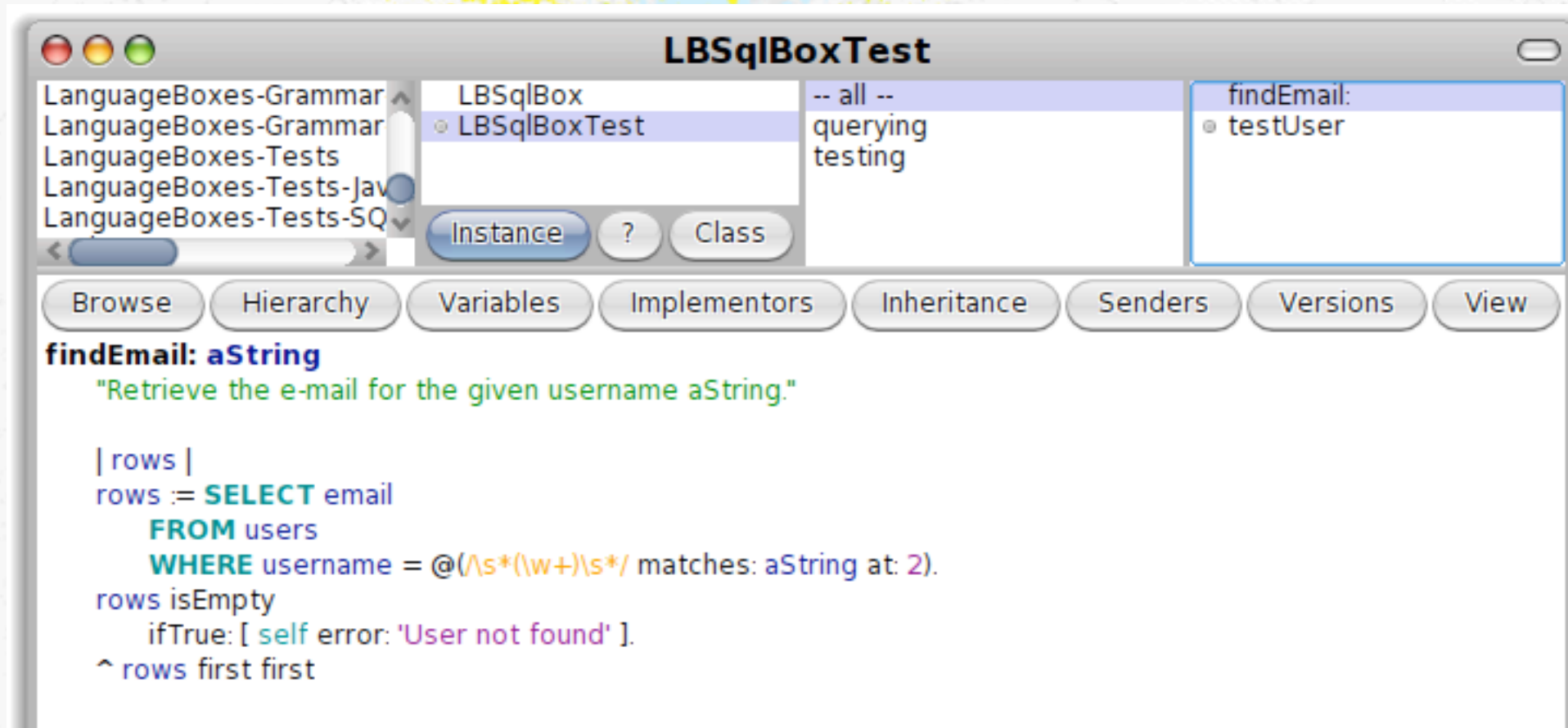


Showcase

Research

Helvetia

Embedding
Languages.

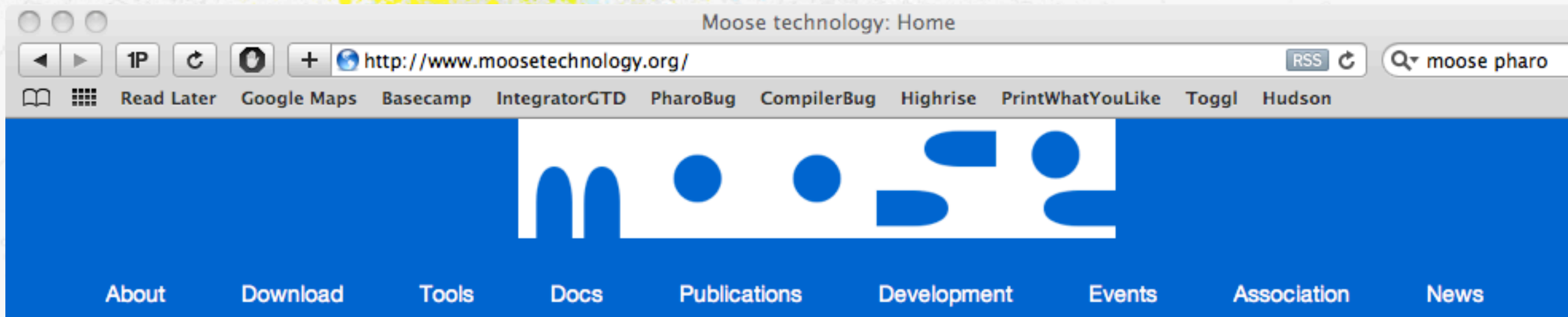


<http://scg.unibe.ch>

[Lukas Renggli](#)



Moose



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.

Moose and the story of an analysis

The Moose logo, featuring the word 'Moose' in a blue, sans-serif font, is displayed on a white rectangular background.

New tutorials for Orion and Torch

23 August 2010

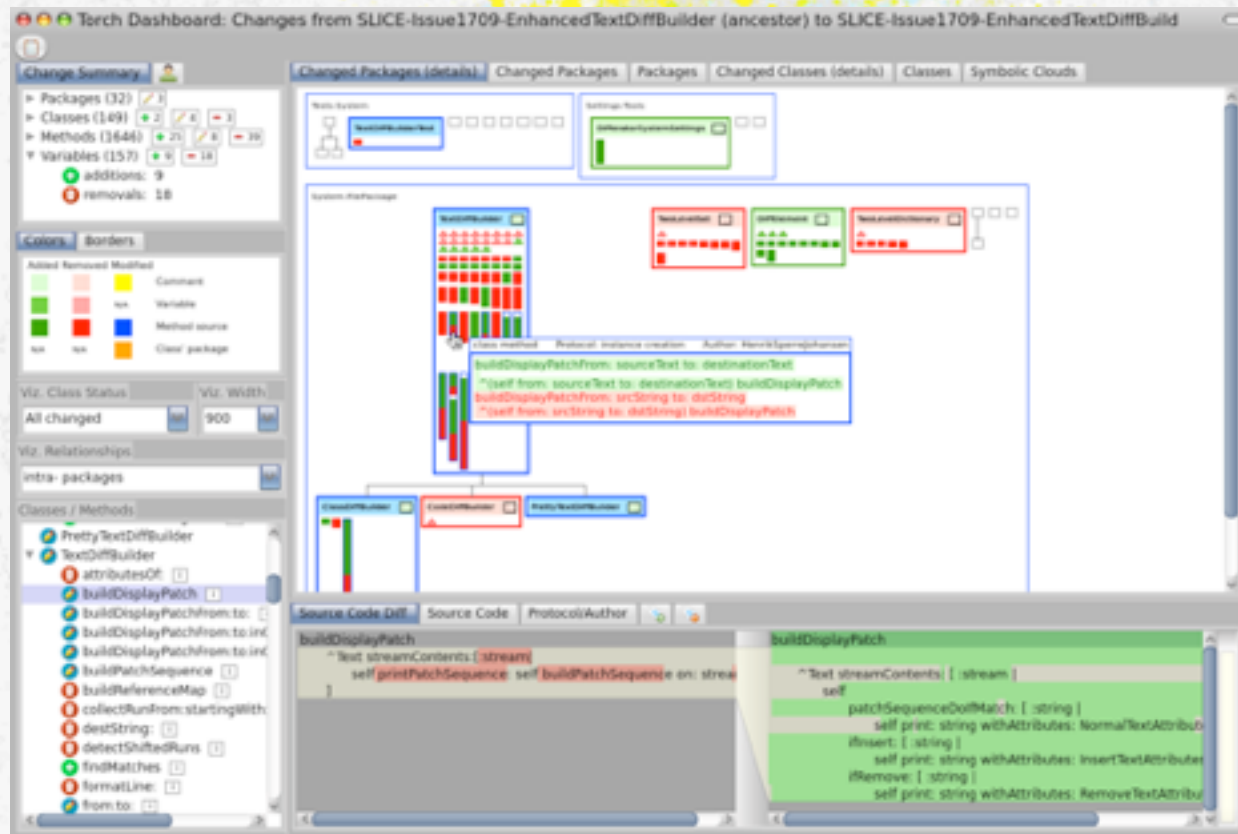
Orion is a reengineering tool which can simulate changes and compare their impact on multiple versions...

Moose nominated for the CH Open Source Awards

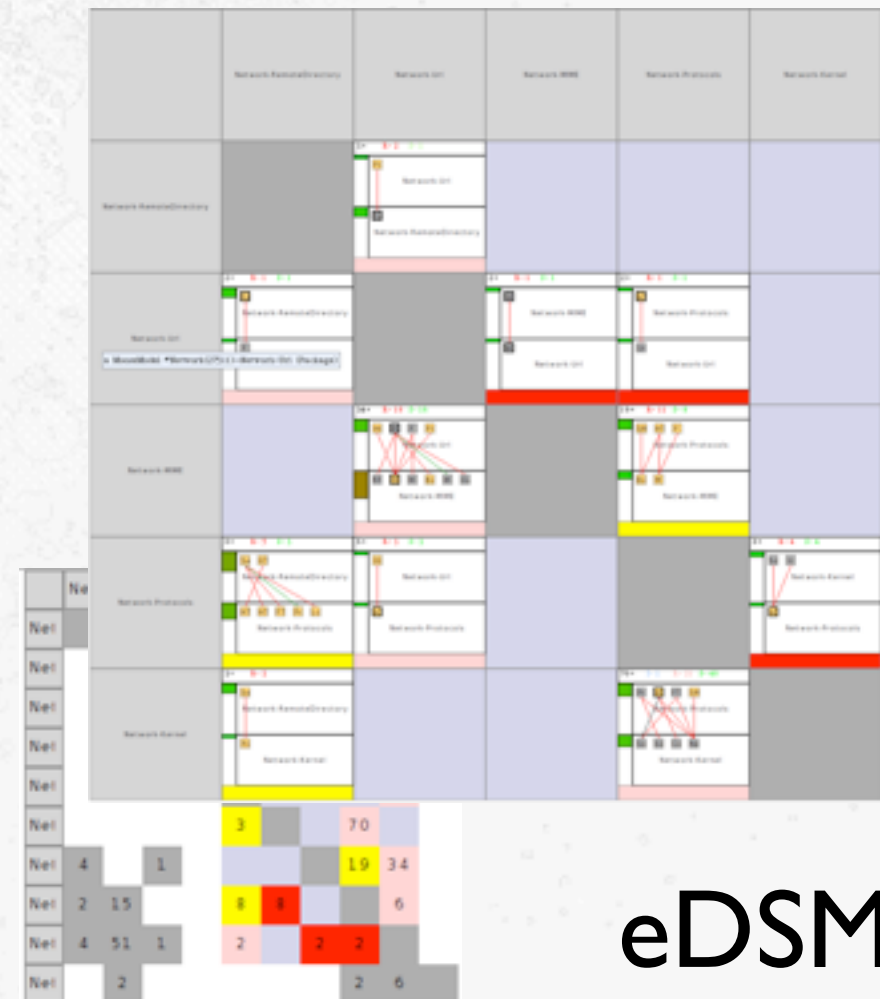
9 August 2010

Moose was nominated for the CH Open Source

Moose Examples



Torch
Veronica Uquillaz-Gomez



More on <http://moosetechnology.org>



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*

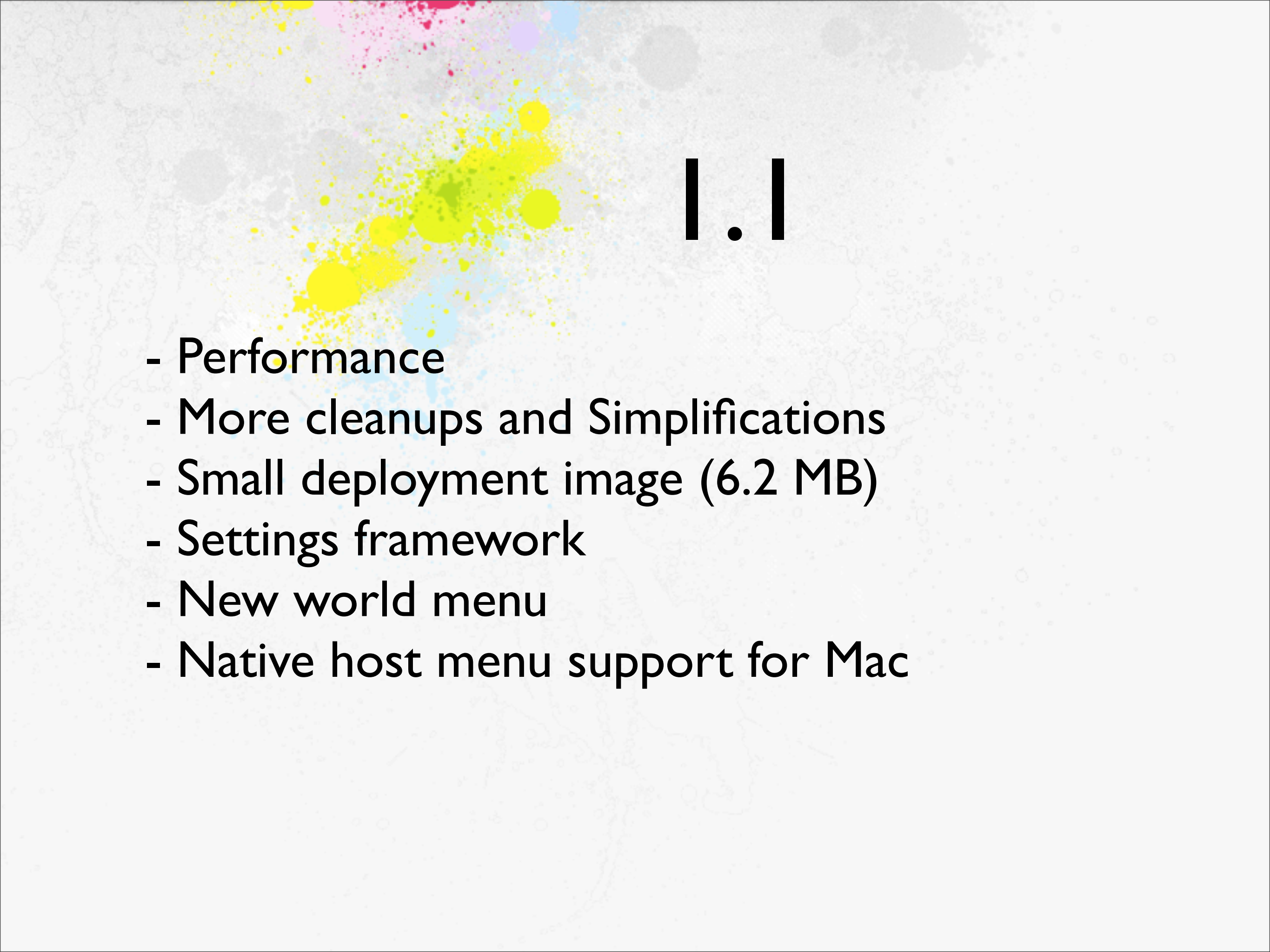


Update ~1200 Bug-reports closed

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



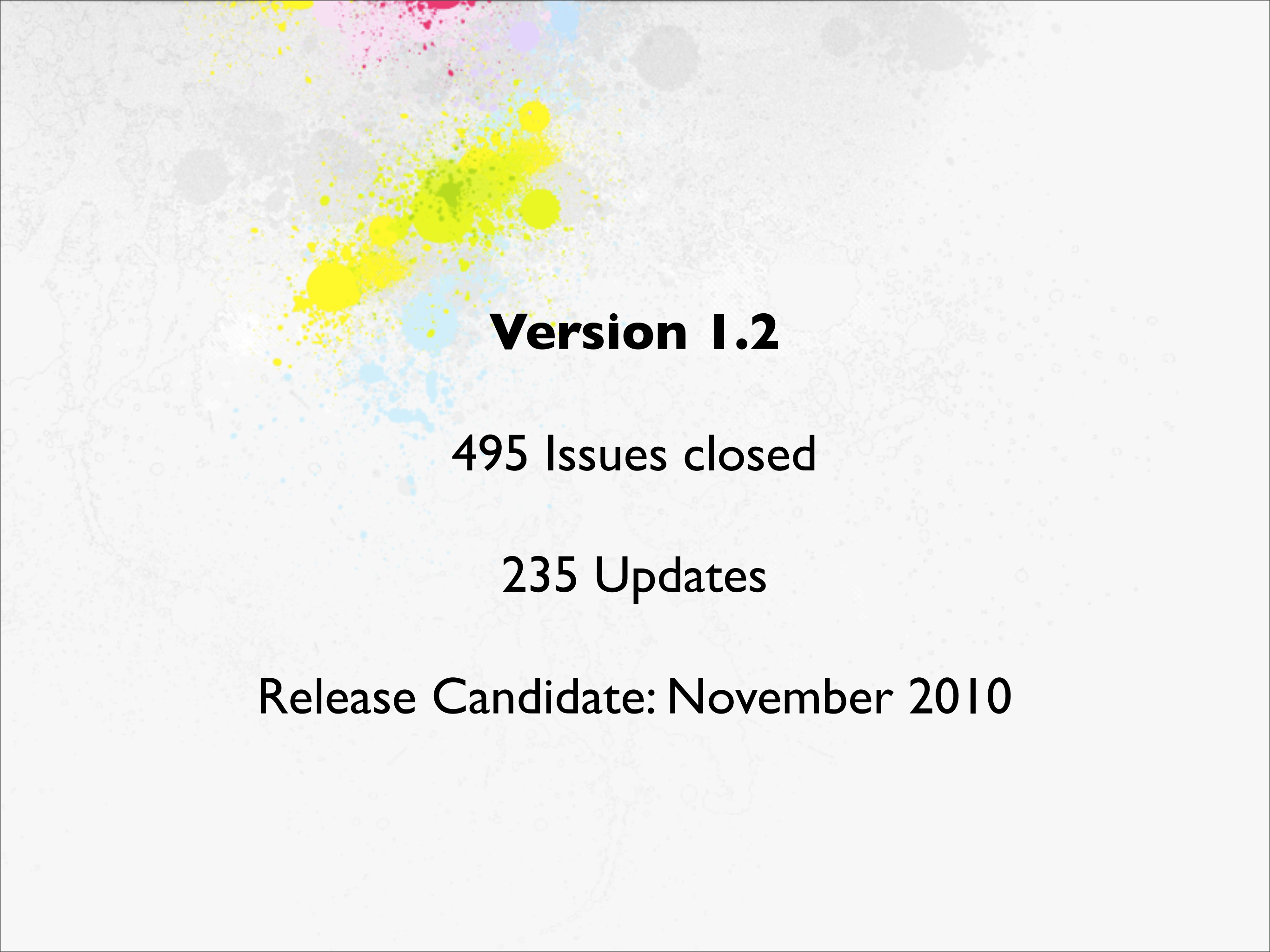
Update 883 Bug-reports closed

410 Updates

Released: July, 26, 2010

The background of the slide is a complex, abstract composition. It features a light gray, marbled texture that resembles stone or watercolor. Overlaid on this are numerous colorful splatters and dots in shades of yellow, blue, pink, and purple. These splatters are most concentrated in the upper left quadrant, where they form a dense, vibrant cluster. The overall effect is one of artistic, organic movement and energy.

The Present

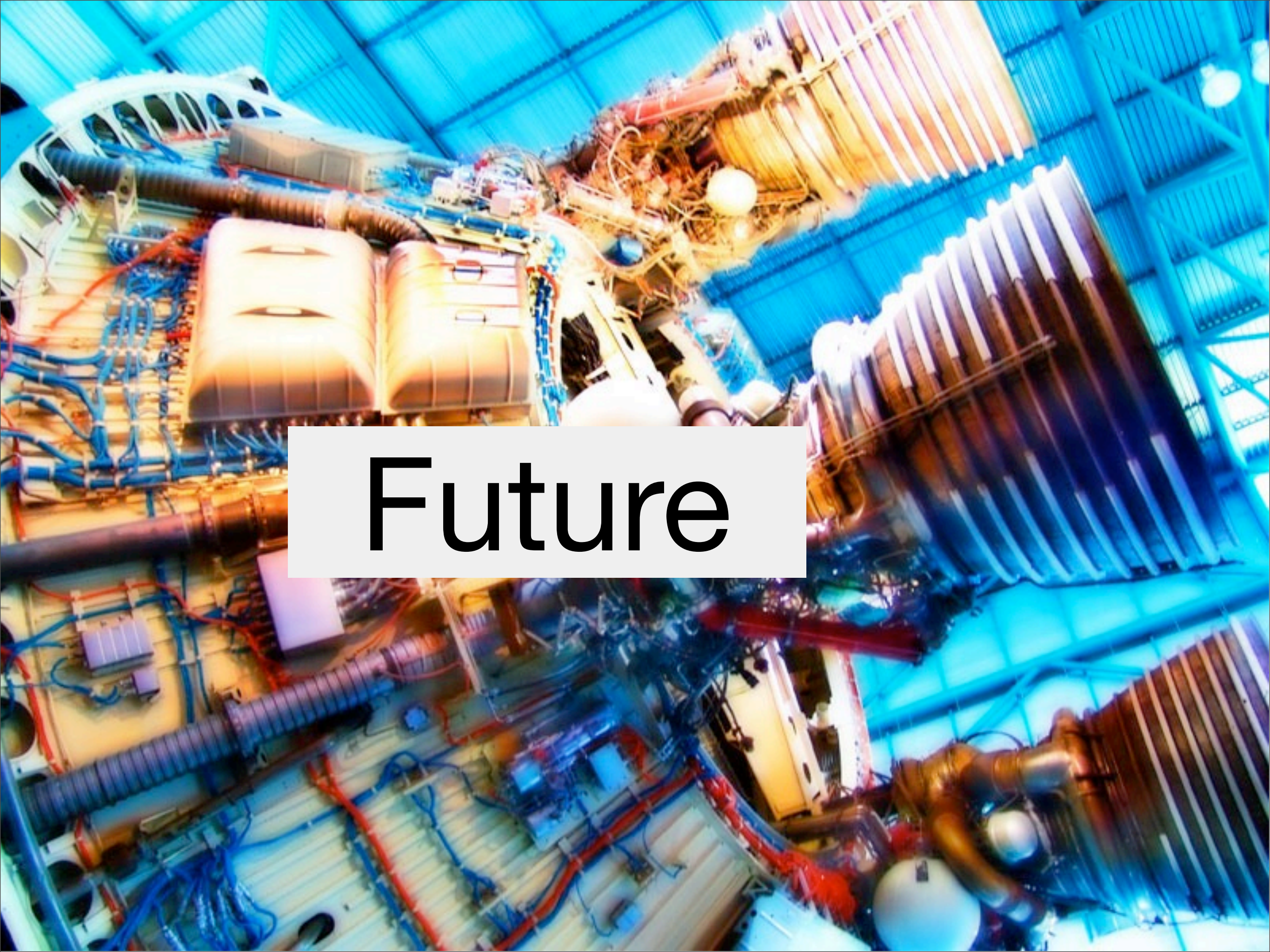


Version 1.2

495 Issues closed

235 Updates

Release Candidate: November 2010



Future

The background features a light gray marbled texture. In the upper left quadrant, there is a cluster of colorful splatters in shades of yellow, blue, pink, and purple. The text is centered in the lower half of the image.

**The Future is what
we do**

Problem

Stable is good
(even research needs a base)

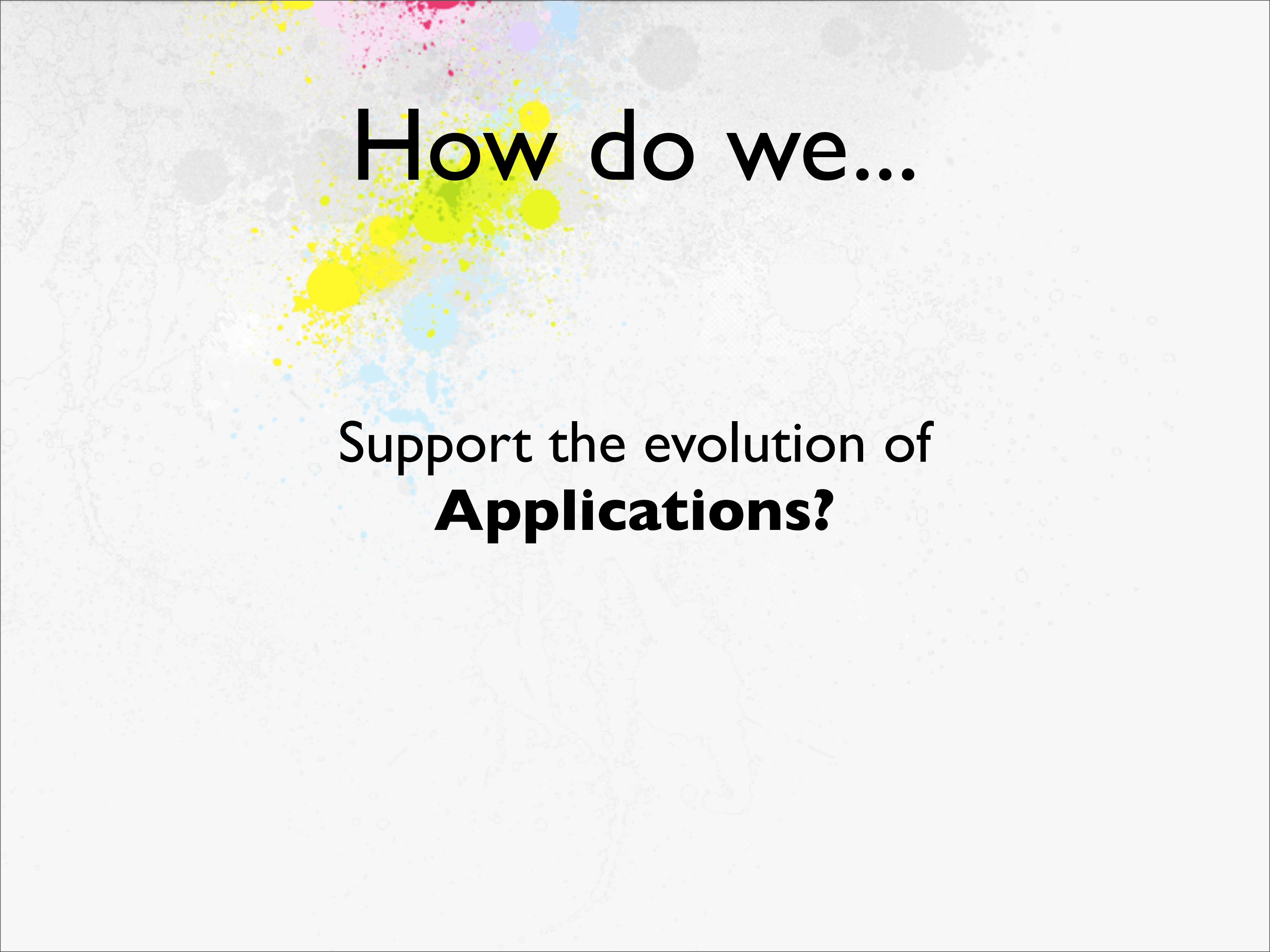
But we want to innovate
nevertheless

Challenge

How to support

Evolution?





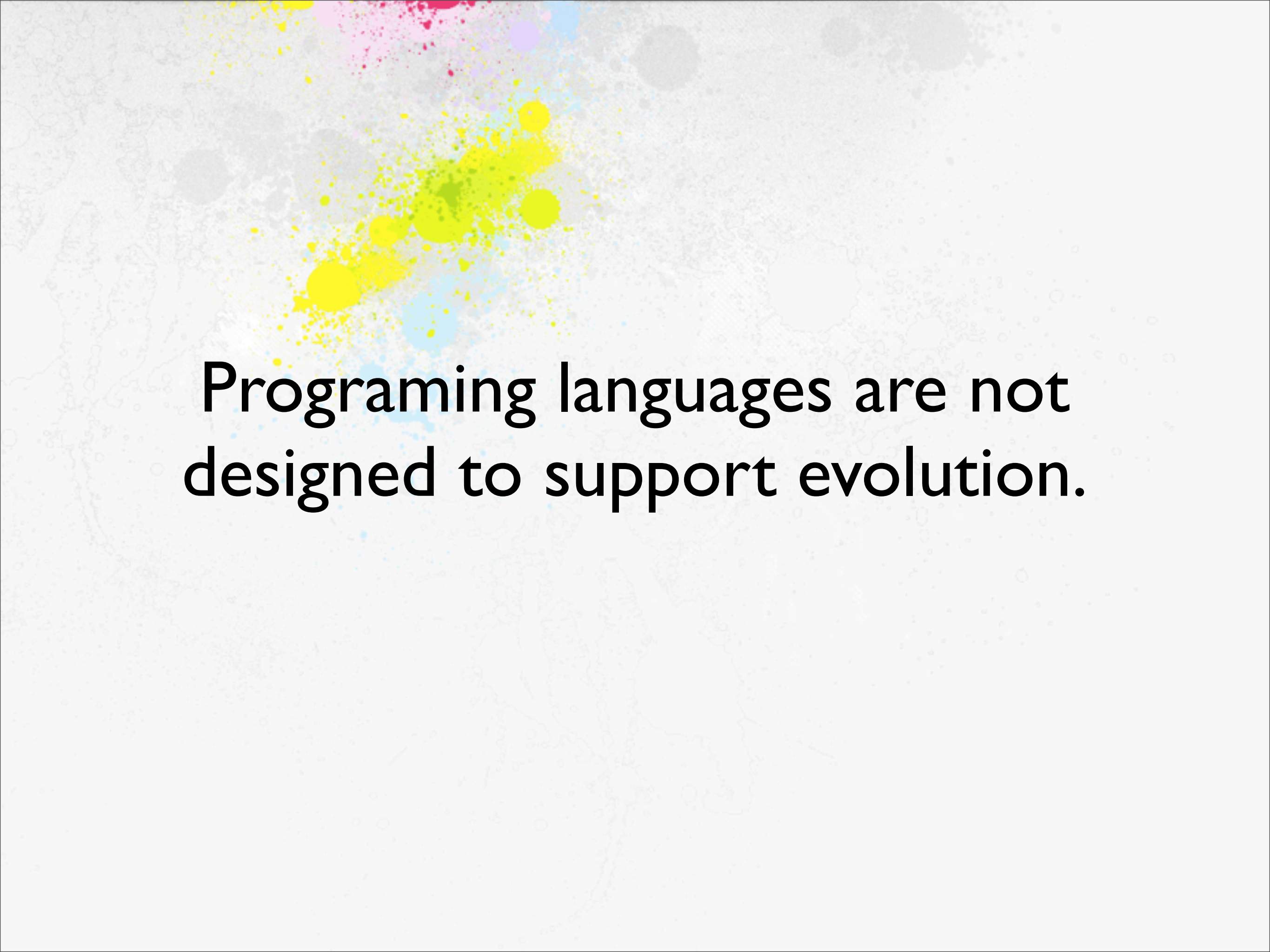
How do we...

Support the evolution of
Applications?

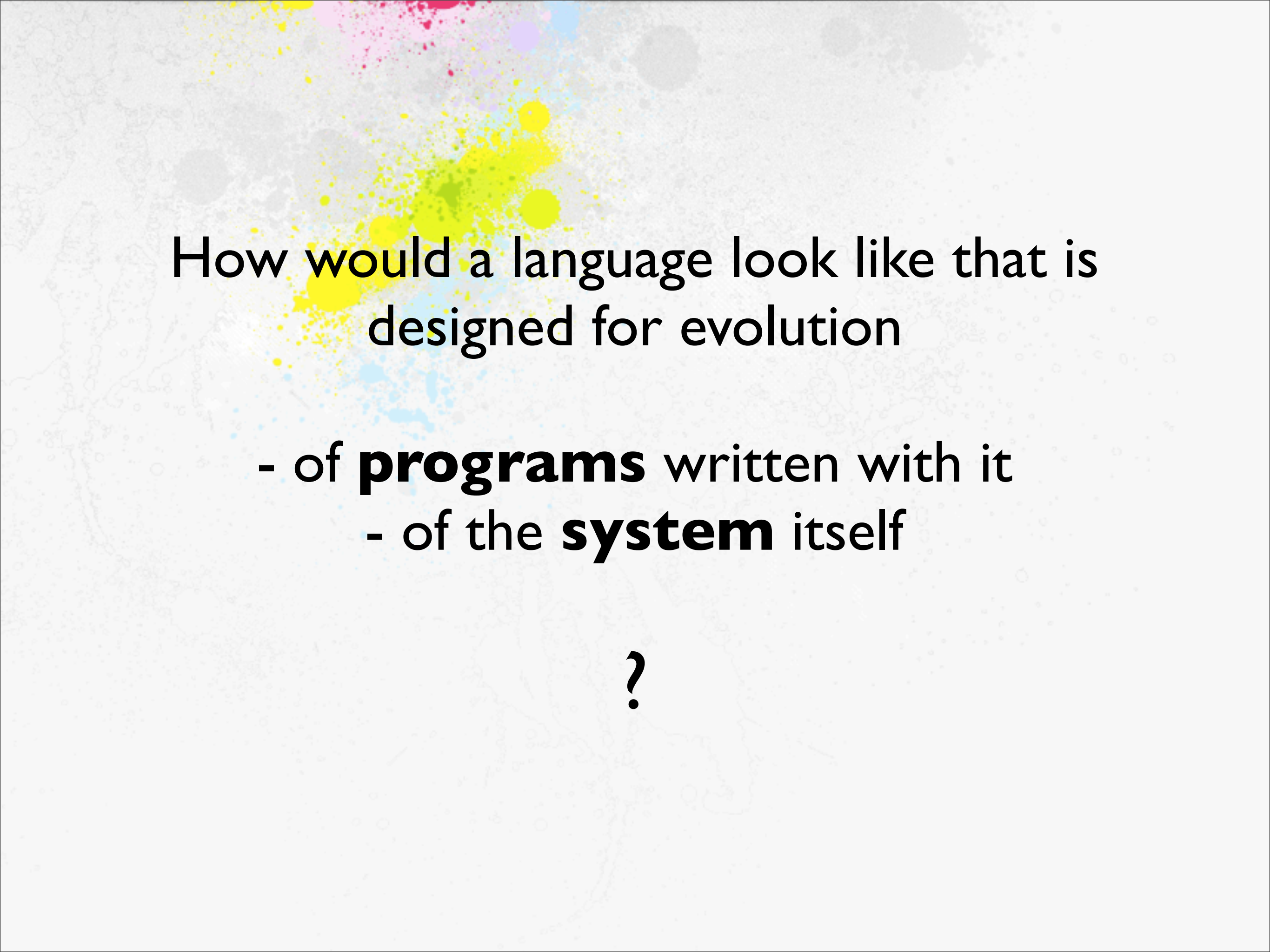


How do we...

Support the evolution of the
Language?

The background of the slide is a light gray with a subtle, faint world map pattern. Overlaid on this are numerous colorful splatters and dots in shades of yellow, pink, blue, and gray, primarily concentrated in the upper left quadrant.

**Programing languages are not
designed to support evolution.**



How would a language look like that is
designed for evolution

- of **programs** written with it
- of the **system** itself

?



Pharo has some good foundations

Dynamic Language

Reflection

Written in itself

Meta-programming

IDE implemented in itself

Everybody can help

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

Book

Pharo by example I

is available

Pharo by example II

in preparation



Andrew P. Black, Stéphane Ducasse, Oscar Nierstrasz, Damien Pollet
with Damien Cassou and Marcus Denker

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

November 2010 Buenos Aires



Thanks

Chis Vasile Andrei
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Mariano Abel Coca
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Gabriela Arevalo
German Arduino
Hans Beck
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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>