A Dynamic Environment for Business and Research

http://www.pharo-project.org

Marcus Denker
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
Business vs. Research

Conflict?
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
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A Hotspot
Create an ecosystem where business can bloom.
seaside The fast lane to HTTP

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- Merchandise

Documentation
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- Tutorials
- Migration
- Videos

Community
- Weblogs
- Mailing Lists
- Development
- Contribute
- Merchandise
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Seaside 2.8

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 ...

Seaside is available on the following Smalltalk platforms:
- Pharo Smalltalk (download)
- Cincom Smalltalk
- Dolphin Smalltalk
- GemStone Smalltalk
- GNU Smalltalk
- VA Smalltalk

Seaside is a free and Open Source™ web application framework distributed under the MIT License.

Seaside is developped by the European Smalltalk User Group

Esug www.esug.org
Inceptive

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Pinesoft MBagger
Smalltalk with OO-Database

Pharo is the IDE
Showcase Research
Embedding Languages.
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 Examples

Torch
Veronica Uquillaz-Gomez

eDSM
Jannik Laval

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 Present
Version 1.2

495 Issues closed

235 Updates

Release Candidate: November 2010
Future
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?
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
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
Join us!

Creating good energy, software quality, learning and having fun

http://pharo-project.org