



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

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



# What?

A progressive, open-source Smalltalk platform  
for *professional* use.

Stable

Bugs fixed fast

***But innovative***



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

# What?

A flexible environment to support the research  
of new language concepts.

Stable

Bugs fixed fast

***But innovative***



pharo0.1-10373dev09.07.2.image

OB Package Browser: AutomaticMethodCategorizerApplier

C... (class search), i... (implementor search), #C... (class ref search), #... (method search)

<< hist. >>

**- Recently Modified**

- ImageForDevelopment
- AutomaticMethodCategorizerApplier
- AutomaticMethodCategorizerApplier
- Model
- Tests

pkgs hier. groups instance ? class

AutomaticMethodCategorizerApplier

- all --
- event handling
- event handling - private
- initialization
- testing
- local (7) --
- required (?) --
- long (1) --

initializeUsing:onCharacteristics

registerForNotifications

DF 3/20/2006 21:15 - AutomaticMethodCategorizerApplier - initialization - 4

registerForNotifications

changeNotifier

notify: self

ofSystemChangesOfItem: AbstractEvent methodKind

change: AddedEvent changeKind using: #methodAdditionNotifiedWith;

notify: self

ofSystemChangesOfItem: AbstractEvent methodKind

change: ModifiedEvent changeKind using: #methodModificationNotifiedWith;

World

- Class Browser
- Workspace
- Test Runner
- Monticello Browser
- Tools
- Windows
- Debug
- System
- Save
- Save As...
- Save and quit
- Quit





**Update ~750 Bug-reports closed**

**377 Updates**

**Release Planned: August 2009 ;)**

# Current Actions

Based on Squeak Smalltalk

- + **Major** Cleanups (MVC, eToys)
- + New UI Look / TrueType
- + Tools
- + **Block Closures**
- + **Lots** of bugfixes and small improvements
- + Preferences clean up
- + **MIT license clean**



# What we dream about

## Better tools

next generation refactoring

SmallLint ++

## Other MOPs

First class slots

## Better infrastructure

Announcements

New compilers

First class packages

Minimal core

“Metacello”

Logging

Integration Server....

That people can build  
their future



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



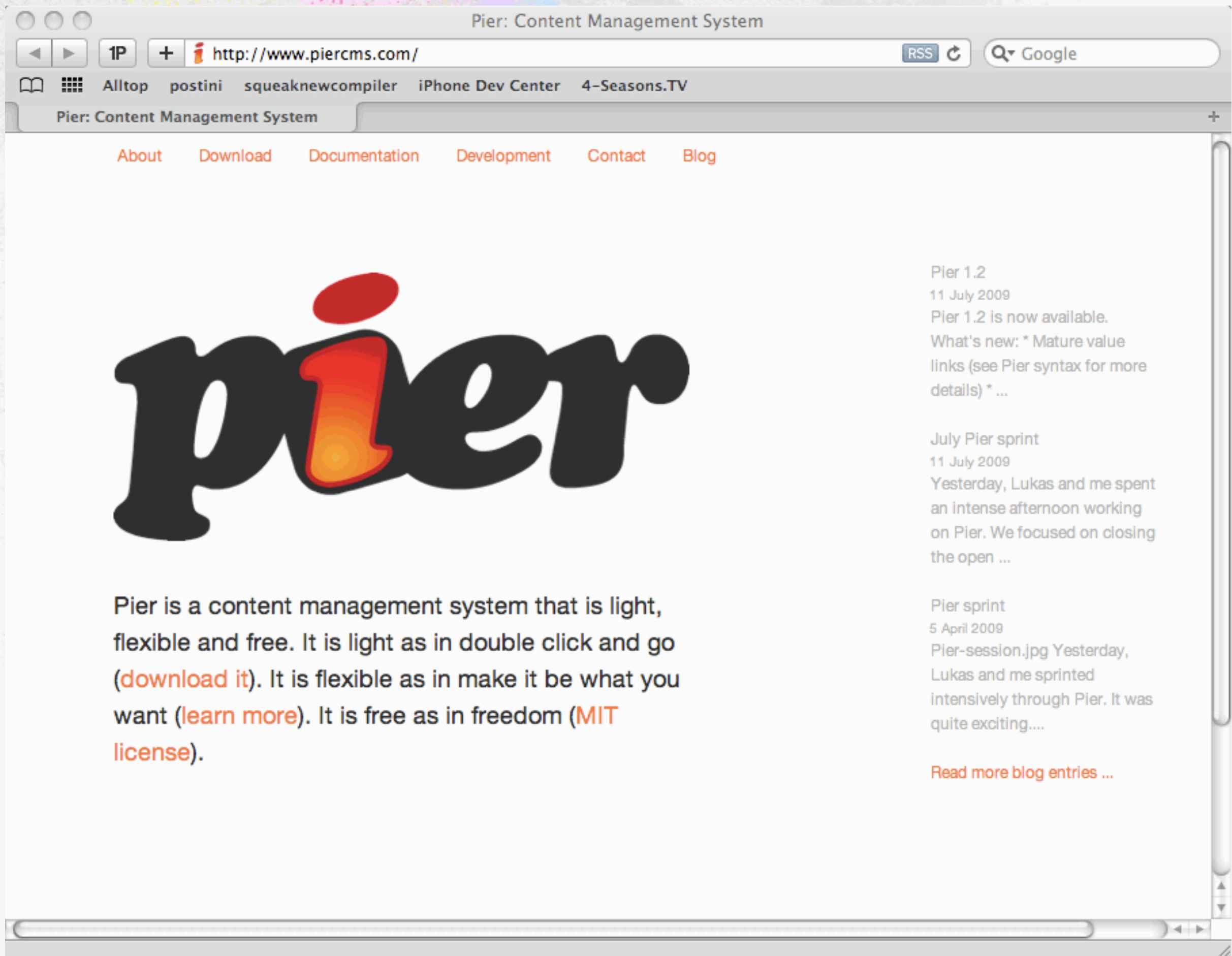
Seaside is a free and [Open Source™](#) web application framework distributed under the [MIT License](#).

Seaside is available on the following Smalltalk platforms:

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

[more](#)





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 ...](#)

# iPhone







# GEMSTONE

## Seaside under GLASS

GemStone • Linux • Apache • Seaside • Smalltalk

# Smalltalk with OO-Database

## Pharo is the IDE

# Companies

netstyle.ch

GemStone

cmsbox

...

Pinesoft

Smallworks

Agilitic.be

Inceptive.be



# Universities

Annecy

Bruxelles

Lugano

...

Bern

Douai

Lille

Santiago

# (Why? The little history)

1996: discover Smalltalk

1998: discover Squeak

~2000: harvesters 3.xx, 3.6, 3.7, started to clean

Responsible for Squeak3.9

Tried to **clean** without **breaking unmaintained** code

Called “**random refactorer**”, got bashed...

Marcus got burnt, Stef wanted to look at Python, Ruby...

Saw lot of people turn off by Squeak lack of consideration for good code

Pharo is keeping our smalltalk inside flame burning



The background of the image is a complex, abstract composition. It features a light gray, marbled texture that resembles stone or paper. Overlaid on this are numerous colorful splatters and dots in shades of yellow, blue, pink, and purple. These splatters are concentrated in the upper left quadrant, creating a vibrant, energetic focal point. The overall effect is one of artistic spontaneity and modern design.

# Future

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.

**...cleaner**

**started to run SmallLint... and fix**



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.

**...smaller**

**Pavel's image is 2 Mb**

The background features a complex, abstract design. It includes a dense pattern of small, light-colored circles and lines, resembling a marbled or cellular structure. Overlaid on this are several large, vibrant splatters of color, primarily in shades of yellow, blue, and pink, with some grey and white areas. The overall effect is a dynamic and textured visual field.

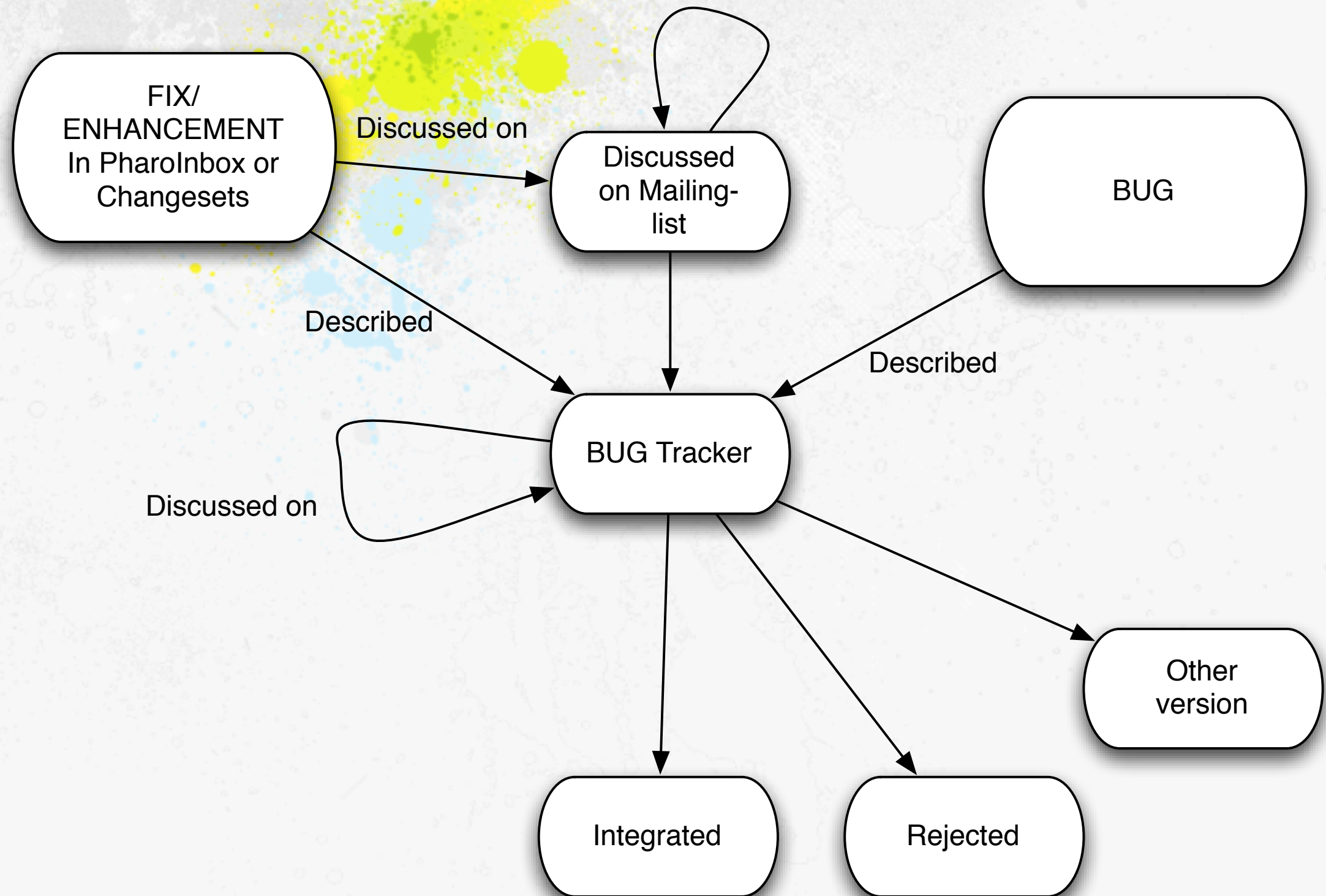
**...faster**

# Everybody can help

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



# Process



# Pharo Sprints

May 2008 Bern

July 2009 Bern

October 2009 Lille

November 2009 Buenos Aires

Free access

Possible funding support for October  
2009



# Books

Pharo by example is  
out

Pharo by example  
vol. 2 on preparation



# Thanks

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Yann Monclair  
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Francois Stephany  
Serge Stinckwich  
Mathieu Suen  
Lawrence Trutter  
Andrew Tween  
martin von loewis  
Juan Vuletich  
Steven Wirts  
Hernan Wilkinson



# Join Us!

Creating good energy, software quality,  
learning and having fun

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