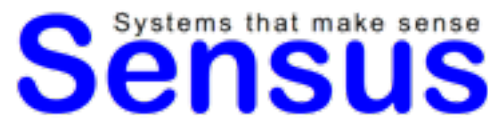


Pharo: a powerful community @ work

S. Ducasse and M. Denker

<http://www.pharo.org>




It feels like...





A powerful engine
to invent our future

Our goal...



**Create an ecosystem
where business/innovation
can bloom**

We want that ****you**** can make money with Pharo. We want to be able to invent solutions to existing problems.

We want a powerful **innovative dynamic** language where we can build **our** future.

Some Pharo's success stories

- ✦ **Yesplan.be, netstyle.ch, romax.com, www.spesenfuchs.de,**
- ✦ **Cmsbox.ch, objectFusion,**
- ✦ **T3 Easy from beta9.be,**
- ✦ **moosetechnology.org, pinesoft.co.uk,**
- ✦ **Airflowing, synectique, miriamTech, 2denker...**
- ✦ **Pier, DrGeo, Seaside.st, SmalltalkHub,**

We want more
success stories!

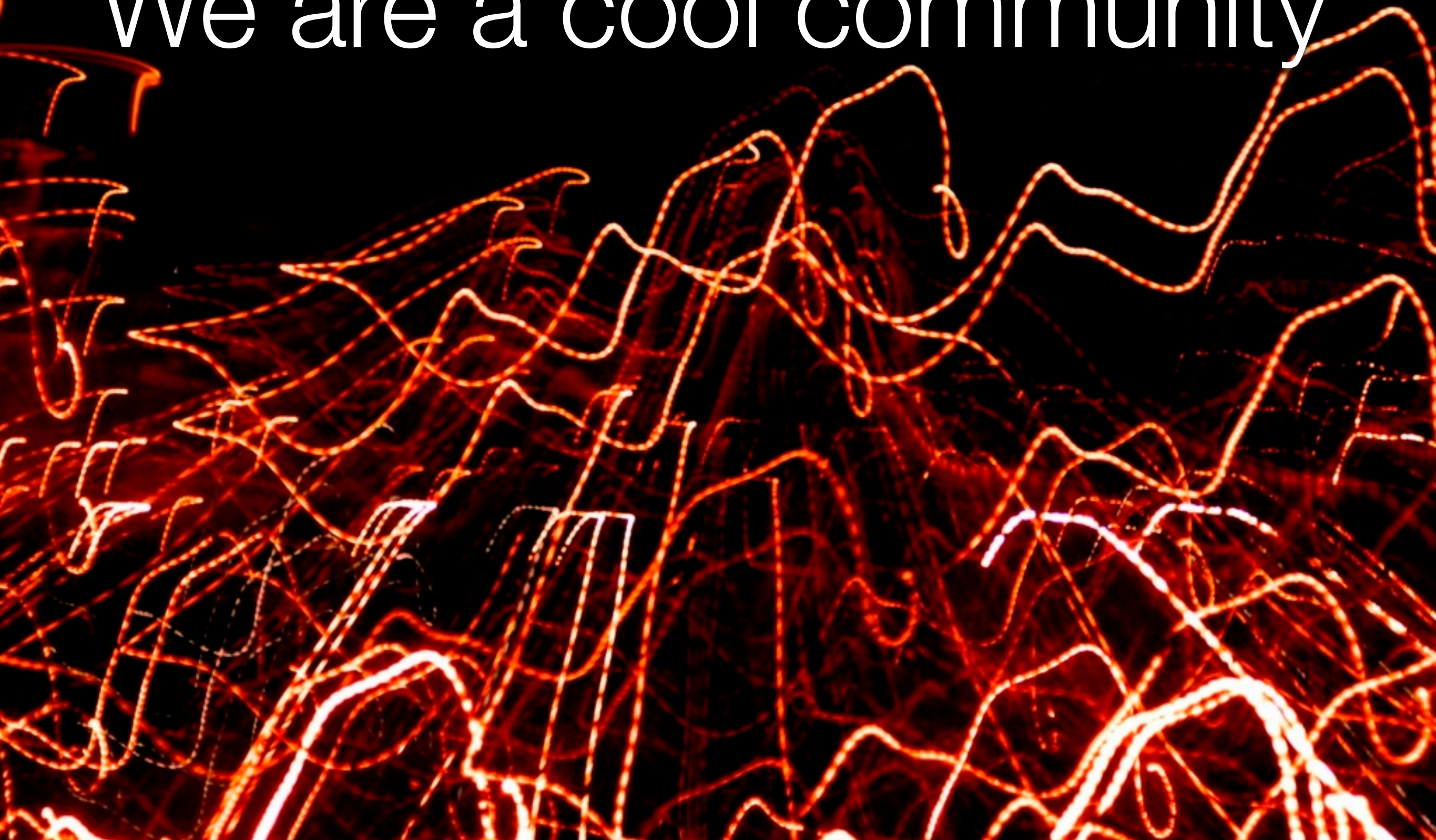
An extremely important
point.....



Pharo is

yours

We are a cool community



Companies

www.10pines.com

www.2denker.de

www.agilitic.com

www.airflowing.com

www.anymorphic.com

www.ardishealth.com

www.beta9.be

www.bombardier.com

www.cmsbox.com

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.myneat.org

www.netstyle.ch

www.objectfusion.fr

www.panasoft.com

www.pinesoft.co.uk

www.promedmedical.net

www.sharedlogic.ca

www.smallworks.com.ar

www.trantaria.com

www.square-i.net

yesplan.be

Teachers

University of Buenos Aires, University of Quilmes

University of Bern

University Tecnologica Nacional

Ecole des mines de Douai

Université de Savoie

University of Lviv

University of Prague

Northen Michigan University

University Catholic of Argentina

University of Santiago

Universitat Policnica de Catalunya

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)

If you know some we forget,
please tell us :)

Pharo 2.0 -

Apr 2013

(593 updates)

A massive amount of improvements

Since may 2008

- ✦ ***Pharo 2.0 - Apr 2013 (593 updates)***
- ✦ Pharo 1.4 - Apr 2012 (860 updates)
- ✦ Pharo 1.3 (700 updates)
- ✦ Pharo 1.2 - mar 2011 (500 updates)
- ✦ Pharo 1.1 - jul 2010 (410 updates)
- ✦ Pharo 1.0 - oct 2009 (470 updates)

2.0: UI

- ✦ Spec: a new way to build UI (chapter under way)
- ✦ Widget enhancements. Revamp progress bar
- ✦ Layout improvements/cleanups.
- ✦ Keybindings
- ✦ New icons (famfam). "Growl" style notifications.
- ✦ Rectangle intersection improvements.

2.0: Developer tools

- ✦ Nautilus Browser: groups, hierarchy, icon navigation
- ✦ Critics Browser (to manage false positive)
- ✦ Interactive navigation (cmd+click on class-selector)
- ✦ Spotlight (shift+enter)
- ✦ Diff tools enhancements
- ✦ Unify/clean Smartcharacters and completion
- ✦ Shout themes
- ✦ Andreas's Profiler

2.0: Compiler

- ✦ RB AST
- ✦ Error Node
- ✦ the foundation for the AST interpreter in 3.0

Networking

- ✦ New version of Zinc
- ✦ Zodiac SSL

2.0: System

- ✦ SystemAnnouncer (first class events no symbol)
- ✦ RPackage (just plain real object)
- ✦ Manifest (Package meta-data)
- ✦ Extensible Command-line
- ✦ NativeBoost
- ✦ Ring Meta Model

2.0: System (2)

- ✦ Fuel instead of 'smart' ref streams
- ✦ FreeType fonts better handling (resources)
- ✦ Session-aware code
- ✦ Metacello
- ✦ FileSystem
- ✦ DateAndTime refactoring (UTC internally)

2.0: VM

- ✦ Latests cog builds
- ✦ Branding
- ✦ SSLPlugin
- ✦ FilePlugin enhancements
- ✦ SocketPlugin fixes
- ✦ Included libraries: freetype2, cairo

2.0: Cleanups

- ✦ Removal of FileDirectory
- ✦ Removal of ReferenceStream and bros

2.0: Infrastructure

- ✦ ZeroConf script (chapter)
- ✦ Continuous integration for everything
 - ✦ pharo/core
 - ✦ pharo/contributions (ask if you need)
- ✦ SmalltalkHub

Vision Document around 2.0

- ✦ <https://gforge.inria.fr/frs/download.php/30434/PharoVision.pdf>

3.1 Towards a small kernel [we have it now we should think about migration]

3.2 Towards a verified package catalog [On the way]

4.1 A Robust and Extensible System Events [Beta and should be in 3.0]

4.2 Rewrite of Filesystem/Streams [DONE for Files]

4.3 Announcements and Ephemerals [Announcements Done. More Enh for 3.0]

4.4 UI Canvas for Zoomable Interface [Waiting for TextModel and 3.0]

4.5 Bootstrap of the Core [Done should be integrated in 3.0]

4.6 Fully parametrized compiler tool chain [Start with Opal in 3.0]

4.7 Packages as real objects [in 2.0 and will improve in 3.0]

4.8 Package Meta-Data [Done]

4.9 Less Model Clutter and Duplication [Started in 2.0 will be accentuated in 3.0]

4.10 Building and Reusing UI Logic [First cut in 2.0 UIPainter for 3.0]

4.11 New Network Layer [Nothing]

4.12 Serializers [Done]

4.13 SystemChangeNotifier replacement [Done]

4.14 Cleaning Morphic [To be continued in 3.0]

5.2 VMs identification and regression testing [On the way]

5.3 One Unified FFI framework [before June]

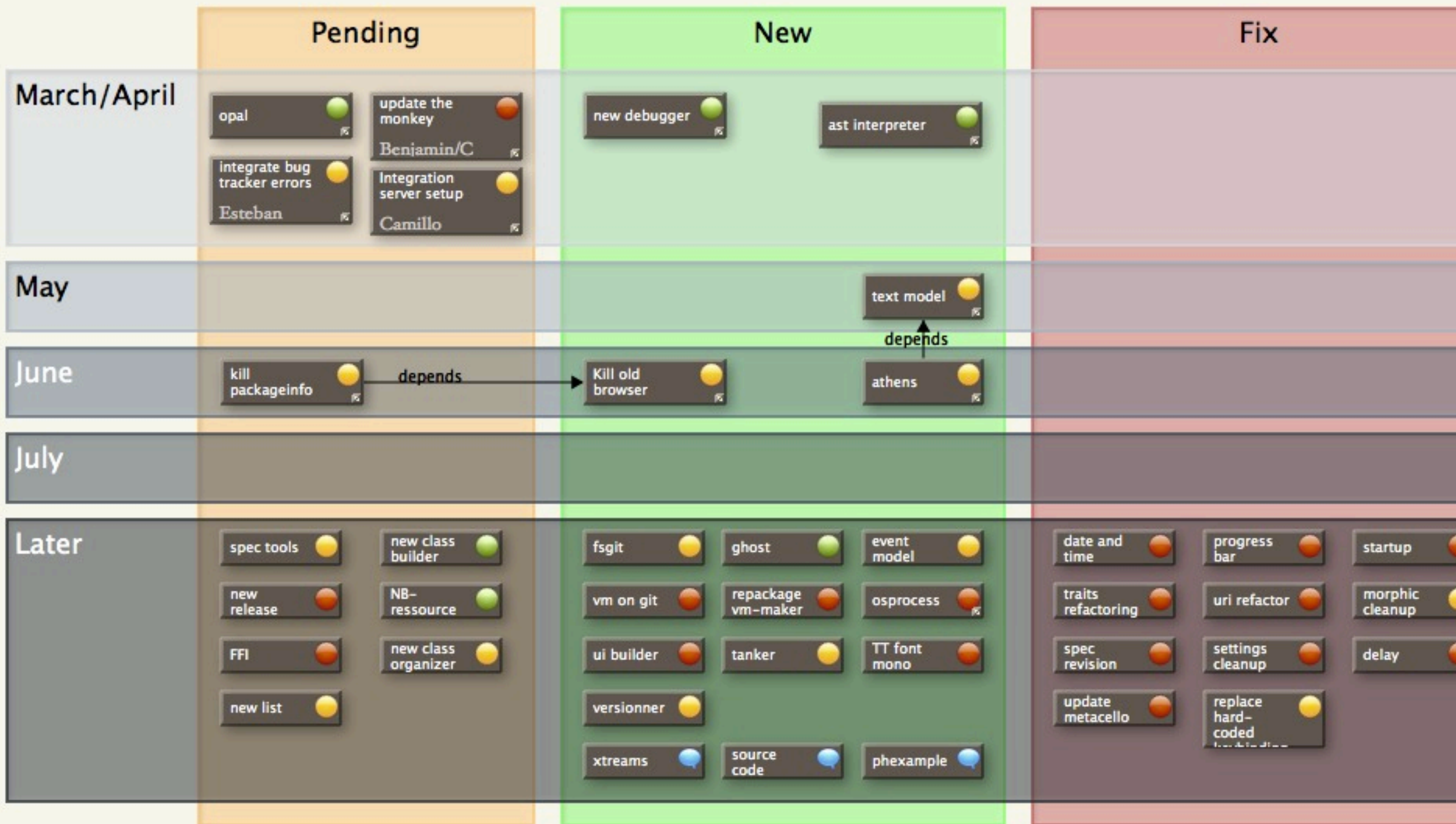
We will improve the
complete system!

Of course not everything is
perfect :)

Monthly retrospective
analysis to make progress

New Process

- ✦ To dynamize and stabilize a long cycle
- ✦ Chunked per month
- ✦ Retrospective analysis
- ✦ Continue to have a Summer release and an alpha



We believe in non linear
growth

Community Ongoing Work

- Better widgets, UI Builder (A. Plantec, G. Chambers, B. van Ryseghem)
- Better browsers (B. van Ryseghem, C. Bruni)
- Proxy (M. Martinez-Peck)
- New compiler (J. Ressia/M. Denker/JB Arnaud/)
- Vectorial canvas (I. Stasenko)
- Better FFI (I. Stasenko, E. Lorenzano)
- Bootstrap (G. Polito/S. Ducasse/N. Bouraqadi/L. Fabresse)
- Package distribution infrastructure (D. Henrichs)
- PDF generation (O. Auverlot, G. Larcheveque)
- Network (Zinc, Zodiac S. van Caekenberghe)
- Remote Smalltalk (N. Papoulias, N. Bouraqadi)

I thought Pharo 2.0 was
exciting and

3.0 started ;)

Glimpse at 3.0

- ✦ OPAL for real
- ✦ Athens
- ✦ Integration process using metacello!
- ✦ Remove PackageInfo for real
- ✦ Many many and even more enhancements

Pharo books

- ✦ Pharo by example
 - ✦ translated to french, merci!
 - ✦ translated to spanish, gracias!
 - ✦ japanese, german started

DEEP INTO Phar

ALEXANDRE BERGEL - DAMIEN CASSOU - STÉPHANE DUCASSE - JANNIK LAVAL



ALEXANDRE BERGEL - DAMIEN CASSOU
STÉPHANE DUCASSE - JANNIK LAVAL

ESUG 2013 Edition

Other books will come...

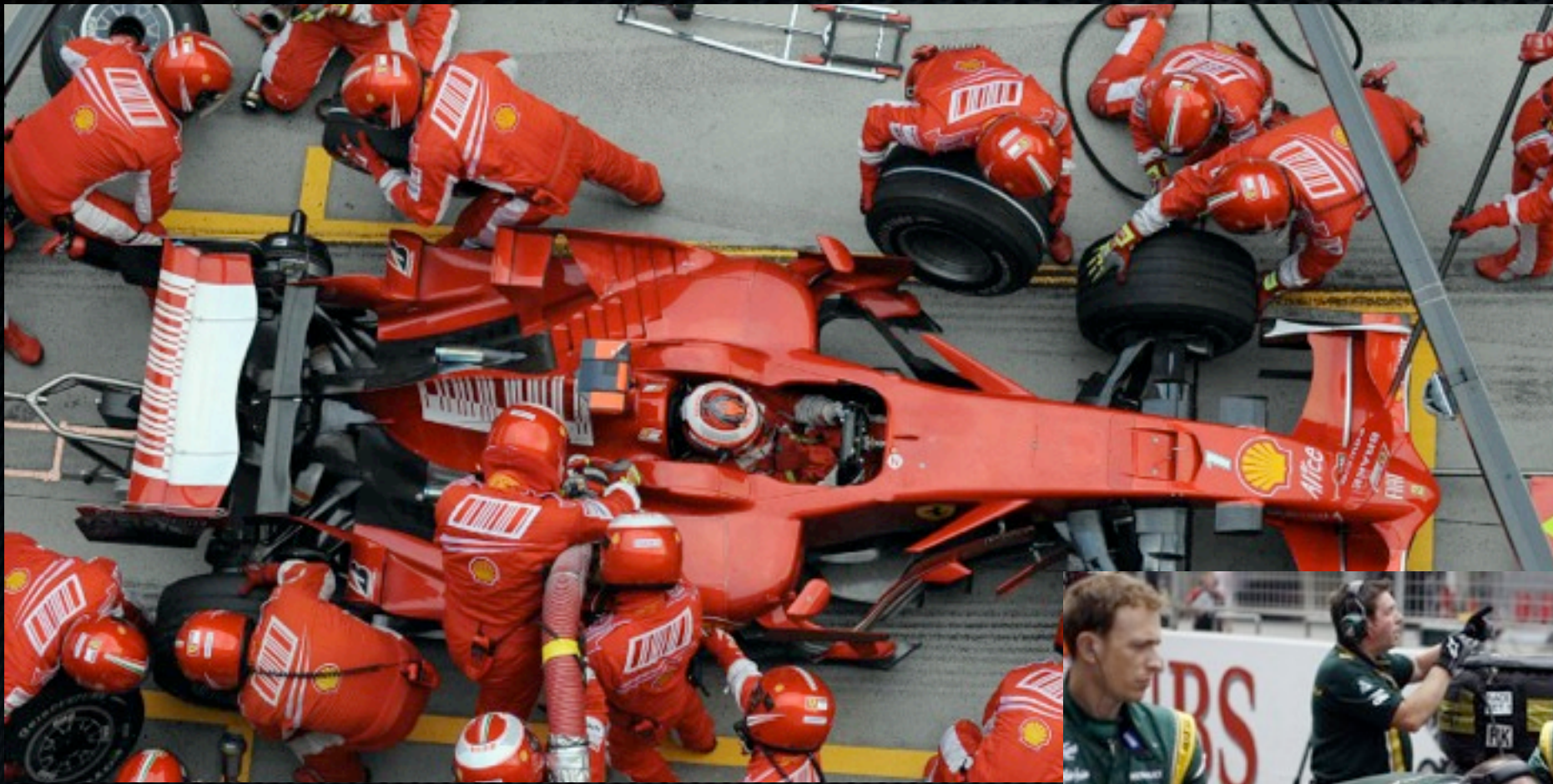
- ✦ Pharo for the Entreprise
- ✦ Fun with Pharo (aka hacking fun stuff)
 - ✦ If you want to contribute...

Let us step back a bit





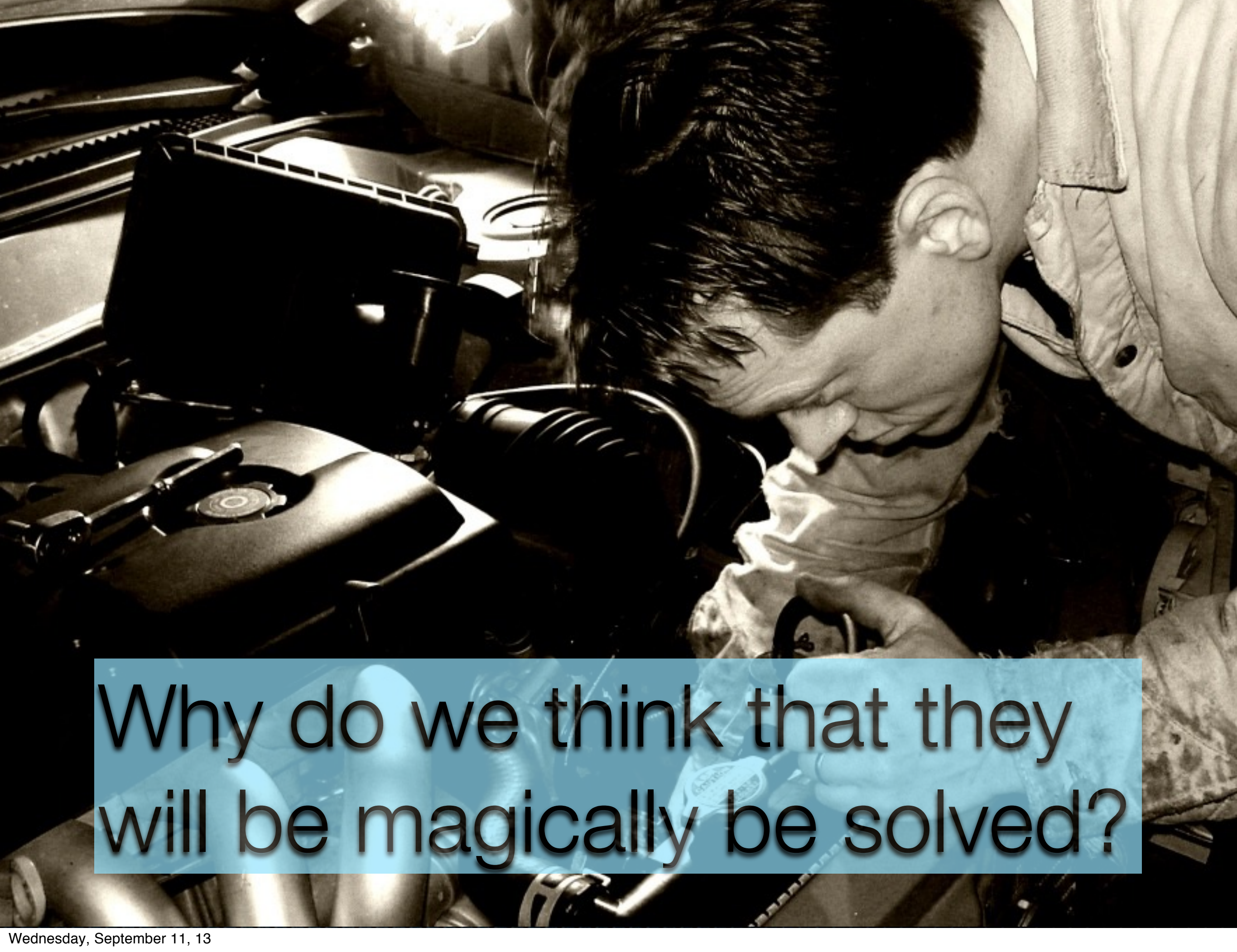
Do we expect him to be alone?
Do they win by luck?



Certainly not!
Why would it be any
different for Pharo?



Software development is
tedious, full of stupid and
boring tasks



Why do we think that they will be magically be solved?

May be you will be able to compile your own vms?

May be or may be not

May be you will be able to get a better widget sets?

May be you will be able to get a vector graphic engine?

May be you will be able to implement event touch?

May be you will get 64 bits support?

Why do we rely on free time
of smart engineers?

We built legal tools
Use them
We set them for you!

Sustaining Pharo

- ✦ How to sustain Pharo?
- ✦ How to structure the community?
- ✦ Lot of small companies can get an impact
- ✦ Lot of individual can get an impact



Pharo consortium portal

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

Broadcast news

Create Bindings with TalkFFI

On 5 September 2013 8:36 am by Pharo News

Rocio Amaya explains how to use TalkFFI: "TalkFFI enables automatic FFI (Foreign Function Interface) generation for Smalltalk

[See full entry](#)

Mario Bros running on Pharo

On 4 September 2013 3:14:16 pm by Pharo News

NES emulator, running MarioBros
[See full entry](#)

Deadline Soon!! ESUG 2013 Innovation Awards

On 3 September 2013 10:56:33 am by Pharo News

Have you written innovative Smalltalk? The developers of any Smalltalk-based software can enter by submitting a 3-5min video of their software

[See full entry](#)

[See archive](#)

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](#).

Industrial members



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.

FYI

- ✦ Started discussions with INRIA in 2009
- ✦ Inria put 4 years of salary (Igor, Esteban)
- ✦ RMoD put money on the table
- ✦ Join!

Consortium FAQ

- ✦ Pharo will stay free!
- ✦ No negative impact: just a better Pharo
- ✦ Companies participate to the consortium
- ✦ Individuals participate to the association

Pharo User Association



This is the **Pharo** users association site

Pharo is a clean, innovative, open-source Smalltalk-inspired environment.

[Home](#)

[Members](#)

[News](#)

[About](#)

Pharo User Association

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

We all have different
agendas but why not getting
an impact?



Advertize your cool projects

Write/Participate to a book
chapter!

Get exposure!



Share & confront your ideas

Blog, tweet...

Each time Pharo gets better
we all get better and
cooler ;)

The future is what we do!

Every **single** contribution is
important

You can get an
impact ...

even with 30 min
a week



Pharo is

yours

Thanks RMoDers



- ✦ Thank all the contributors, we know who you are :)
- ✦ Thanks Inria for the continuous support



