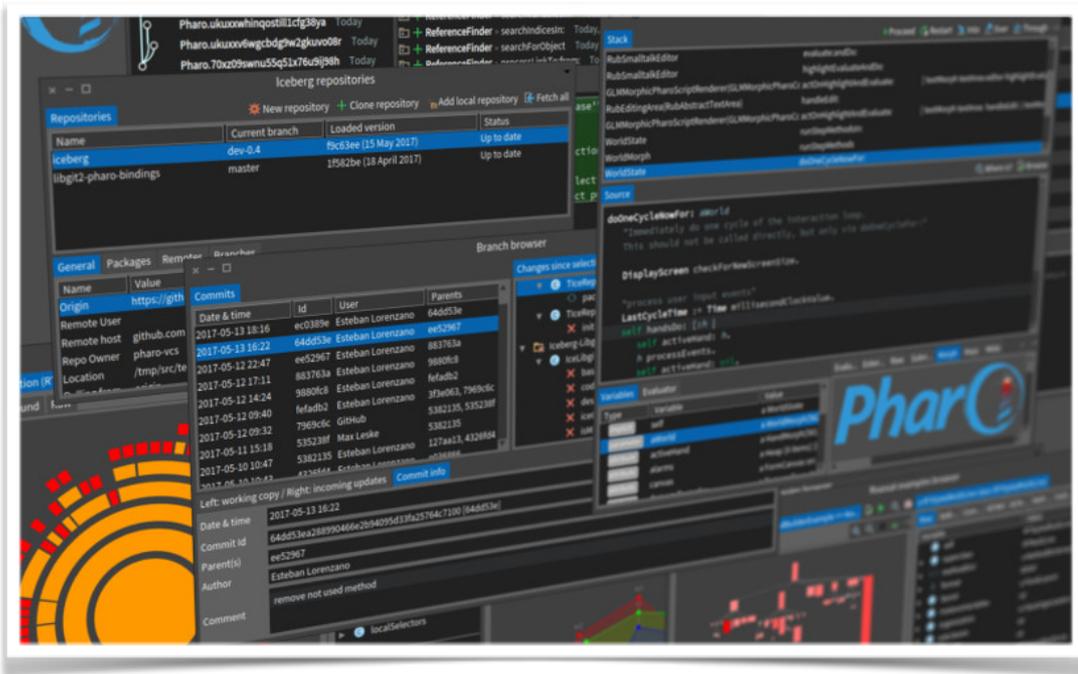


<http://pharo.org>

# The Pharo Platform

serving science and innovation



## The immersive programming experience serving research and innovation

Pharo is a pure object-oriented programming language *and* a powerful environment, focused on simplicity and immediate feedback (think IDE and OS rolled into one).

Pharo has unique pedagogical properties and is used worldwide in 40 universities to teach object-oriented programming. Pharo supports 20 international research groups. Pharo development is sustained by an industrial consortium. Started in 2008, Pharo has grown into a mature and

1

### PURE AND ELEGANT

syntax fits on a postcard  
focus on intrinsic complexity

2

### REFLECTIVE

fully written in itself  
modifiable and deeply interactive

3

### COMPLETE OPEN-SOURCE STACK



[consortium.pharo.org](http://consortium.pharo.org)

industrials sustain and promote

[mooc.pharo.org](http://mooc.pharo.org)



9000 ppts, 93 videos, 155 quiz, challenges, project

### Universities



~40 universities use Pharo for teaching worldwide



### Research

~ 20 international research groups

robust environment used to deploy industrial strength applications. Pharo core development team is hosted at Lille University and Inria Lille - Nord Europe research center.

From Lille, with the help of the community, consortium and RMOD's engineers and researchers are shaping new Pharo versions.

## Some figures

630 packages, 9000 classes, 120.000 methods

Discord: 1535 people / 250 online

Mailing-lists: ~1000 / Newsletter: 2400 registered

Twitter: 2650 followers



Github stars: 450 / forks: 210

## Core development

<https://github.com/pharo-project/pharo>

Up to 109 contributors / 30 active regular contributors

~ 10.000 commits since 2016

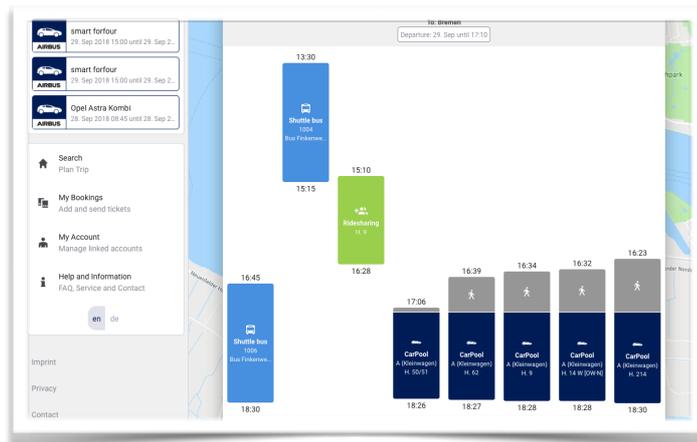
~ 30 commits per week reviewed & integrated

~ 45 years of dev, 4 engineers full time/year effort



## A full ecosystem

Projects are blooming: math libs, machine learning, IoT, modern graphics, GPU, UI, visualisation, 3D, interaction, devops, ...



## Success stories

<http://pharo.org/success>

"Pharo is a perfect fit to develop in an agile way. Small development cycles with continuous integration and continuous delivery enables fast turnarounds for the customers to validate progress." N. Hartl CEO ZweiDenker

## INDUSTRIAL CONSORTIUM

27 companies

20 universities/research institutes

Pays two full time engineers

Supporting companies and academics, promoting Pharo, responsible of Pharo release and maintenance.

