




Pharo Status

Pharo Consortium Meeting

consortium-adm@pharo.org


9th February 2023

A stylized logo for Pharo 11. It features a central sun-like shape with a gradient from orange to yellow, surrounded by a blue semi-circle. Below this, a red, jagged, flame-like shape tapers downwards. At the bottom, a blue, wavy, ribbon-like shape extends downwards. Thin white lines radiate from the top of the logo.

Pharo 11 - Roadmap

- Keeping our same objectives:
 - Modularisation
 - Clean up
 - Improvements

**A mix of
Features and
Cleanings**



Pharo 11 - Roadmap

- UI Issues (Monterrey / Linux / Windows)
- Stability
- Compiler Improvements
- Ephemerons / Image Initialisation
- Iceberg Improvements
- App Packaging / Better GTK Packaging
- Pakbot
- Graphics Improvements (Cairo, HDPI, Athens, Alexandrie, Roassal)...
- Window Manager (Multiple Windows)



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WIP
INITIAL RESULTS



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WIP
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IN PLAN

The Pharo logo is a stylized, colorful graphic on the left side of the slide. It features a central vertical element with a sun-like burst at the top, transitioning through orange, red, and purple to a blue base. The overall shape is reminiscent of a stylized 'P' or a flame.


Pharo 11 - Additional Improvements

- UI Speed / Memory Analysis and fixes
- Clean Blocks
- Constant Blocks
- Graph Scene Renderer (Beta soon...)
- Scalable Icons
- Refactorings Improvements
- GTK4

The Pharo logo is a stylized, colorful graphic on the left side of the slide. It features a central sun-like shape with rays in orange, yellow, and blue. Below this, there are several overlapping, wavy bands in shades of red, purple, and blue, creating a sense of movement and depth.

Pharo 11 - Open PRs

- Color Palette (reusing Color instances)
- Replacing Old Test Runner
- Ephemeron-Based Finalisation
- Compiler Error Reporting

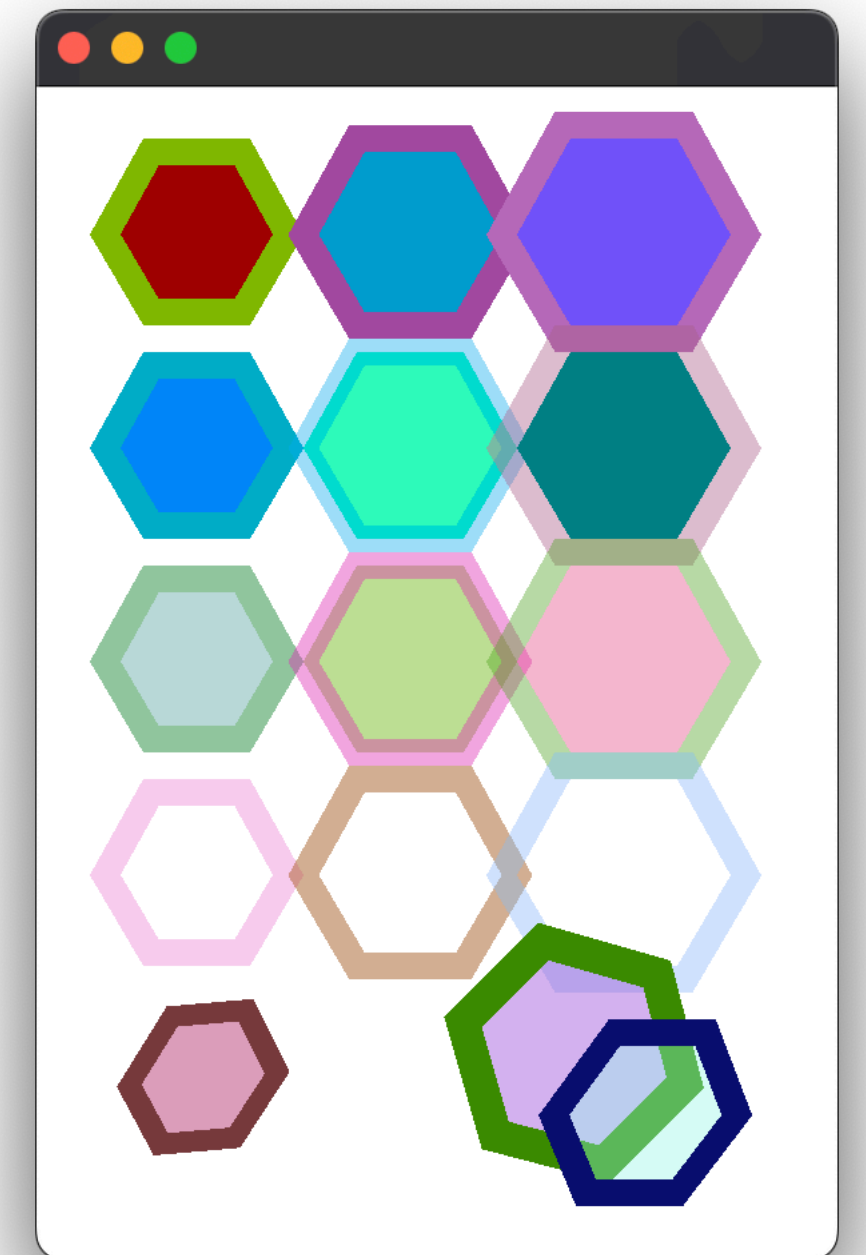
The logo features a stylized iceberg with a sunburst at the top. The sunburst is composed of multiple colored segments (blue, orange, red) radiating from a central point. The iceberg body is a dark red, jagged shape. Below the iceberg, there are three wavy, ribbon-like shapes in shades of blue and purple, extending downwards.

Iceberg Improvements

- UI Revamp
- Bug Fixing
- Adding new Features

Bloc + Alexandrie v1.0

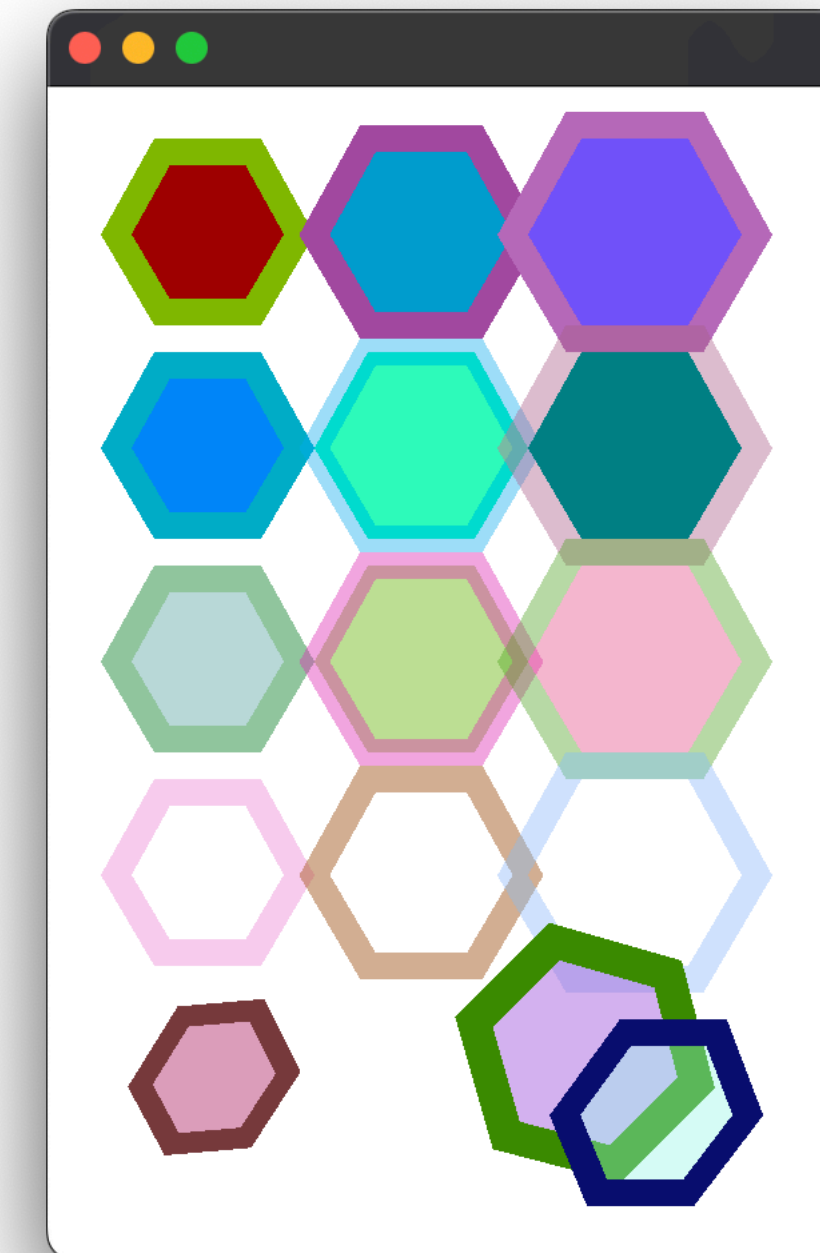
- Support for most features of Sparta-Cairo, but fast.
- Doesn't depend on SurfacePlugin, like Sparta-Cairo, unlike Athens-Cairo
- Bloc v1.0 comes with Alexandrie, plus Sparta-Cairo and Sparta-Skia.
- Check it: <https://github.com/pharo-graphics/Bloc>
- Mailing list: <https://sympa.inria.fr/sympa/info/lse-openbloc>
- Weekly Updates: <https://pharoweekly.wordpress.com/category/newsletters/>





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Version 1.0 Released



Bloc + Alexandrie Next

- Optimize transformations (this is Bloc level)
- Cache more Cairo objects
- Layer composition and Buffer unchanged elements
- Effects (blur, shadow)
- Bug in SVG path geometry
- Clear API (still not stable)

WIP
INITIAL RESULTS


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WIP
INITIAL RESULTS

Possible by the support
of

THALES

The logo for Pharo VM is a stylized lighthouse. The top part is a semi-circle with a gradient from blue to orange, emitting several thin white lines representing light rays. Below this is a red, jagged shape resembling a lighthouse tower. A blue and white wavy ribbon spirals around the tower.

Pharo VM - 10.0.0

Soon to be Released

- Updating Third Party Dependencies (Cairo, SDL, Libgit2)
- Better Translation to C
- Stability
- SIMD
- Cleaner, Smaller, Simpler...


The logo for Pharo VM is a stylized lighthouse. The top part is a semi-circle with a gradient from blue to orange, with a bright yellow sunburst effect in the center. Below this is a red, jagged shape representing the lighthouse tower. A blue and white striped spiral wraps around the tower, extending downwards.

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- Cleaner
- Smaller
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**Lots of Changes
and
Improvements**

The logo for Pharo VM is a stylized sun with rays in blue, orange, and red, positioned above a red silhouette of a Pharoic headdress. A blue ribbon with a gradient flows down the left side of the slide.

Pharo VM - 10.0.0

Soon to be Released

- Slang Improvements
- Clean Up:
 - Old / Unused / Dead code
 - Old Primitives / Blocks / Bytecode set
- Tests:
 - Primitives / GC / Finalisation
 - Sista Bytecode
 - Machine Code (4 architectures)
- Fixes of GC (Weak, Leaks, Ephemerons, Corruptions)
- Autolocalisation
- Single-Instruction-Multiple-Data:
 - Initialization of Objects
 - Bytecode Extensions

**Lots of Changes
and
Improvements**




Pharo VM - 10.0.0

Soon to be Released

Lots of Changes
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- More details:

<https://github.com/pharo-project/pharo-vm/blob/pharo-10/CHANGELOG.md>

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**Ready to
Release**

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Pharo VM

PermSpace - Snapshots

- Adding a new Generation of permanent Objects
- New Image Format
- A fixed memory map
- Extensible to save more elements in the future:
 - Machine Code
 - Stack

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Pharo VM

PermSpace - Snapshots

- Objectives:
 - Faster GC (Perm Objects, less frequent)
 - Faster Load / Save (Direct Memory Mapping)
 - Discarding less elements of the runtime (Machine Code, Stack, etc)

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Possible by the support
of



The Pharo VM logo is a stylized graphic on the left side of the slide. It features a central sun-like shape with orange and yellow rays, surrounded by a blue and red circular pattern. Below this, there are several curved, overlapping shapes in shades of blue and red, resembling a stylized 'P' or a series of waves.

Pharo VM

PermSpace - Snapshots

- Beta Access
 - Converting images to the new format
 - New Image Format VM
 - PermSpace Support

Possible by the support
of



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

<https://github.com/pharo-project/PermSpaceSupport/wiki/Using-Permanent-Space>



Pharo Promotion Books

- Pharo with Style
- Pharo by Example 9

**Available for
Printing**

books.pharo.org

A stylized logo of the Pharo lighthouse. It features a red and orange sun-like shape at the top with radiating lines, and a blue and white striped lighthouse tower below it.

Pharo Promotion

Mooc

- Revamp of the Pharo Mooc
- A new Advanced Mooc on the Works

mooc.pharo.org

The logo features a stylized sun with rays in orange, yellow, and blue at the top. Below the sun is a red, jagged shape resembling a mountain or a stylized 'P'. A blue and white wavy ribbon flows down from the red shape.

Pharo Promotion Mooc

- Revamp of the Pharo Mooc
- A new Advanced Mooc on the Works

**Downloadable,
Accessible,
Multiple Langs**

mooc.pharo.org

A stylized logo on the left side of the slide. It features a sun-like shape at the top with rays, transitioning into a red, jagged, flame-like shape, which then flows into a blue, wavy, ribbon-like shape. The colors transition from orange at the top to dark blue at the bottom.

Pharo Promotion

- Books - books.pharo.org
- Mooc - mooc.pharo.org
- Blog - thepharo.dev

Thanks!!!



pharo.org



consortium

consortium-adm@pharo.org



[pharo-project/pharo](https://github.com/pharo-project/pharo)



discord.gg/QewZMZa



thepharo.dev