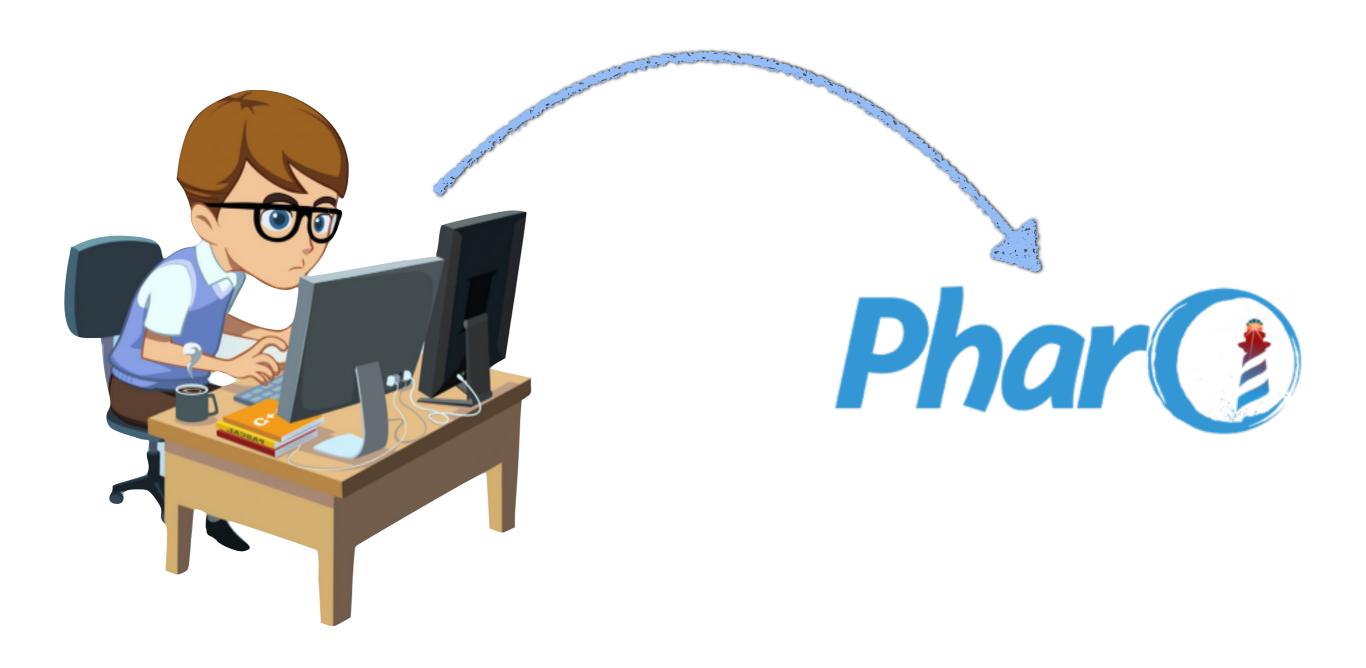
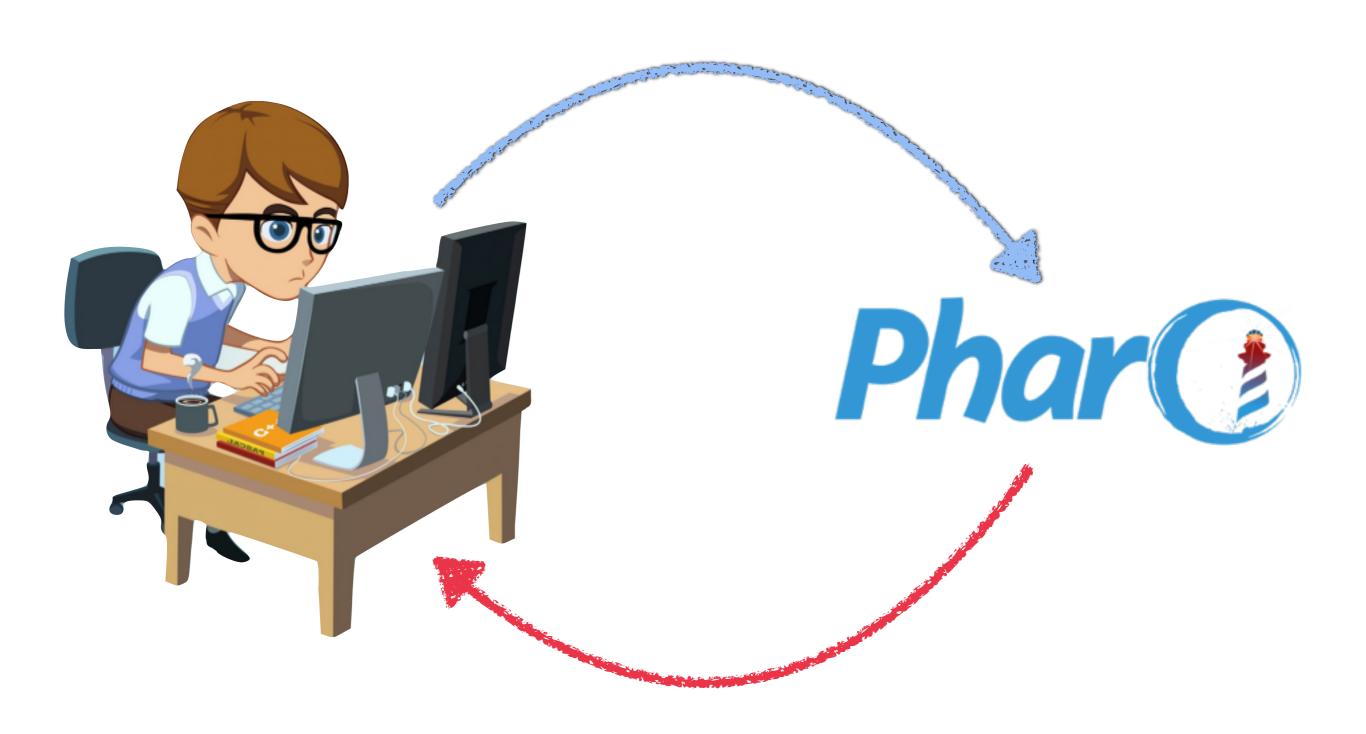
First steps towards Self-Adaptive IDEs Roberto Minelli Andrea Mocci and Michele Lanza http://dflow.inf.usi.ch REVEAL @ University of Lugano

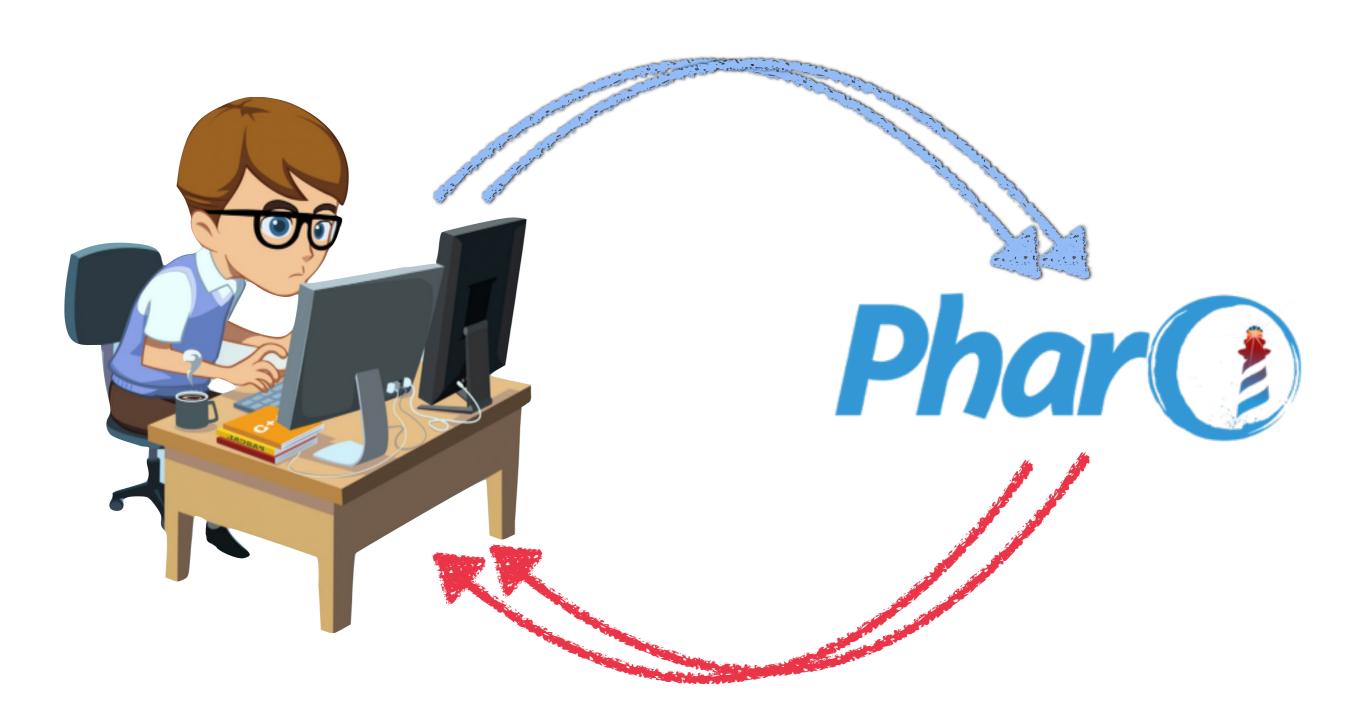


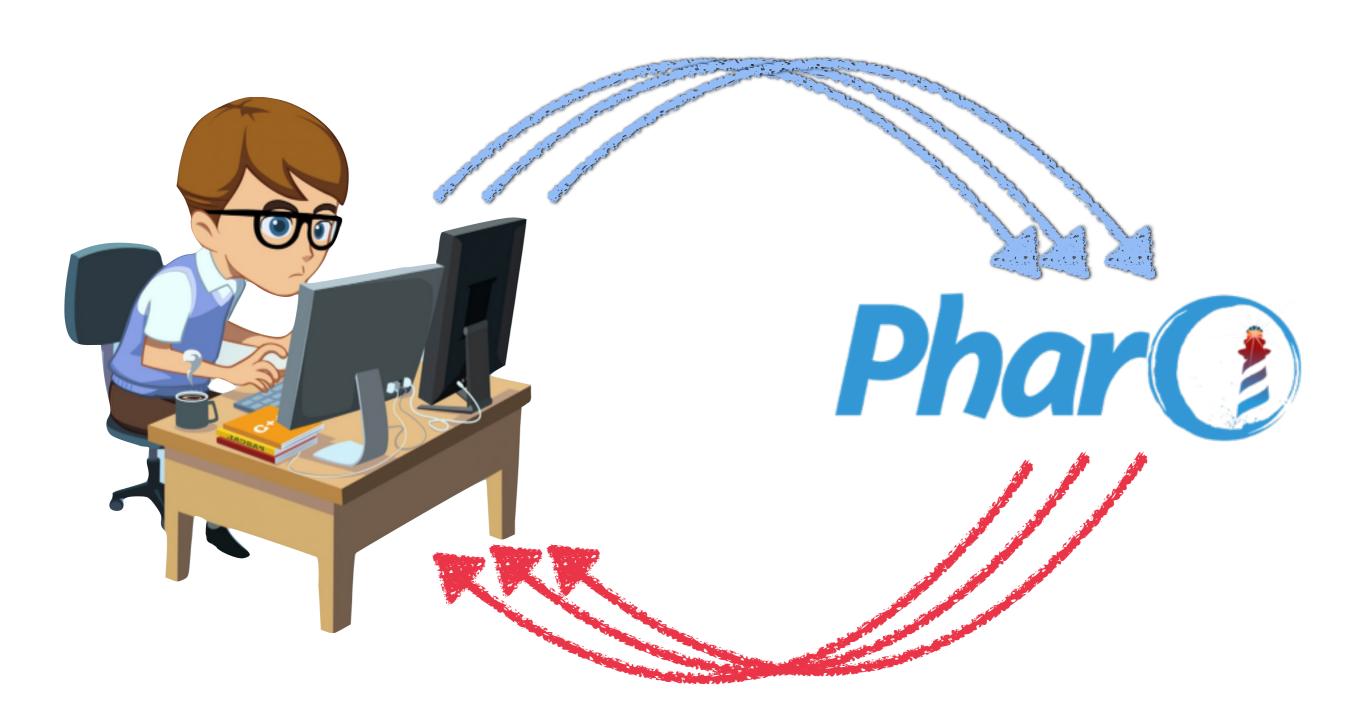


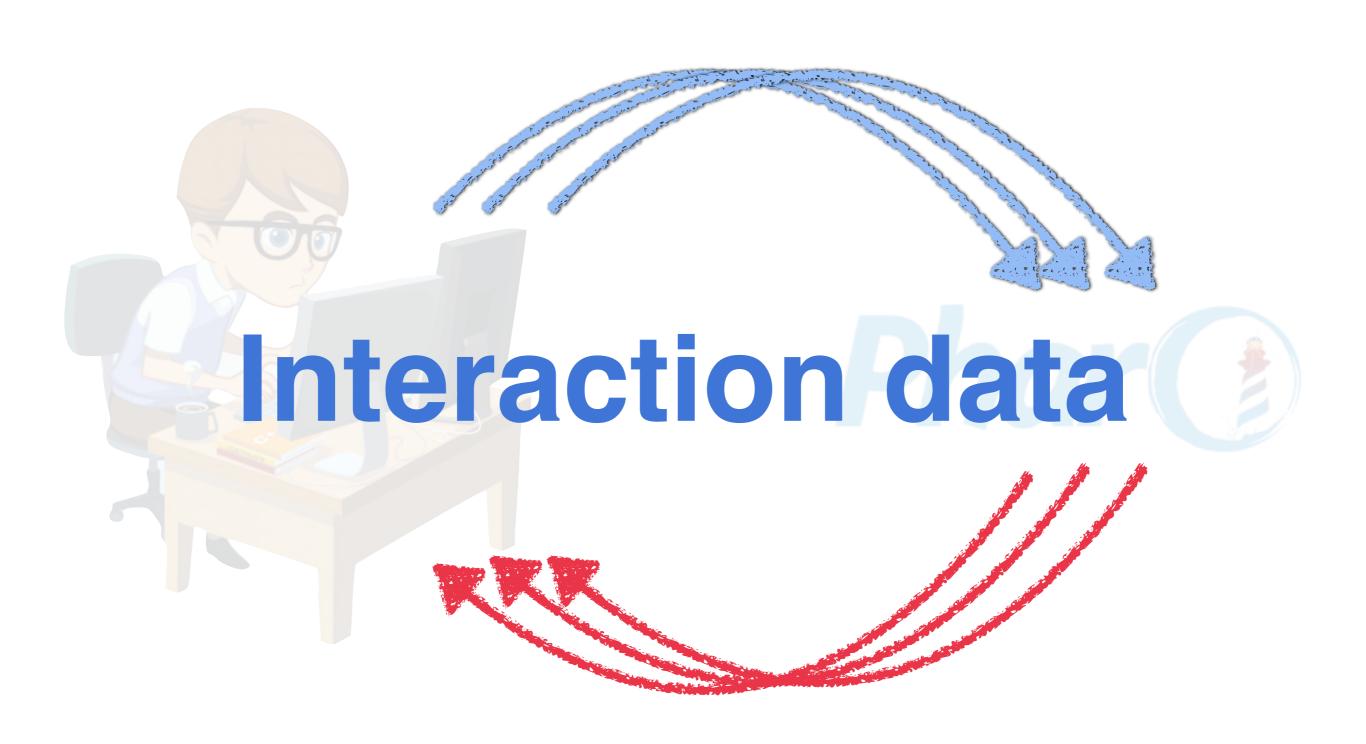












Editing a method

Removing a method

Adding a class

Opening & closing a window

Interaction data

Popping up a refactoring menu

Inspecting an object at run-time

Opening a browser on a method







Self-Adaptive IDEs

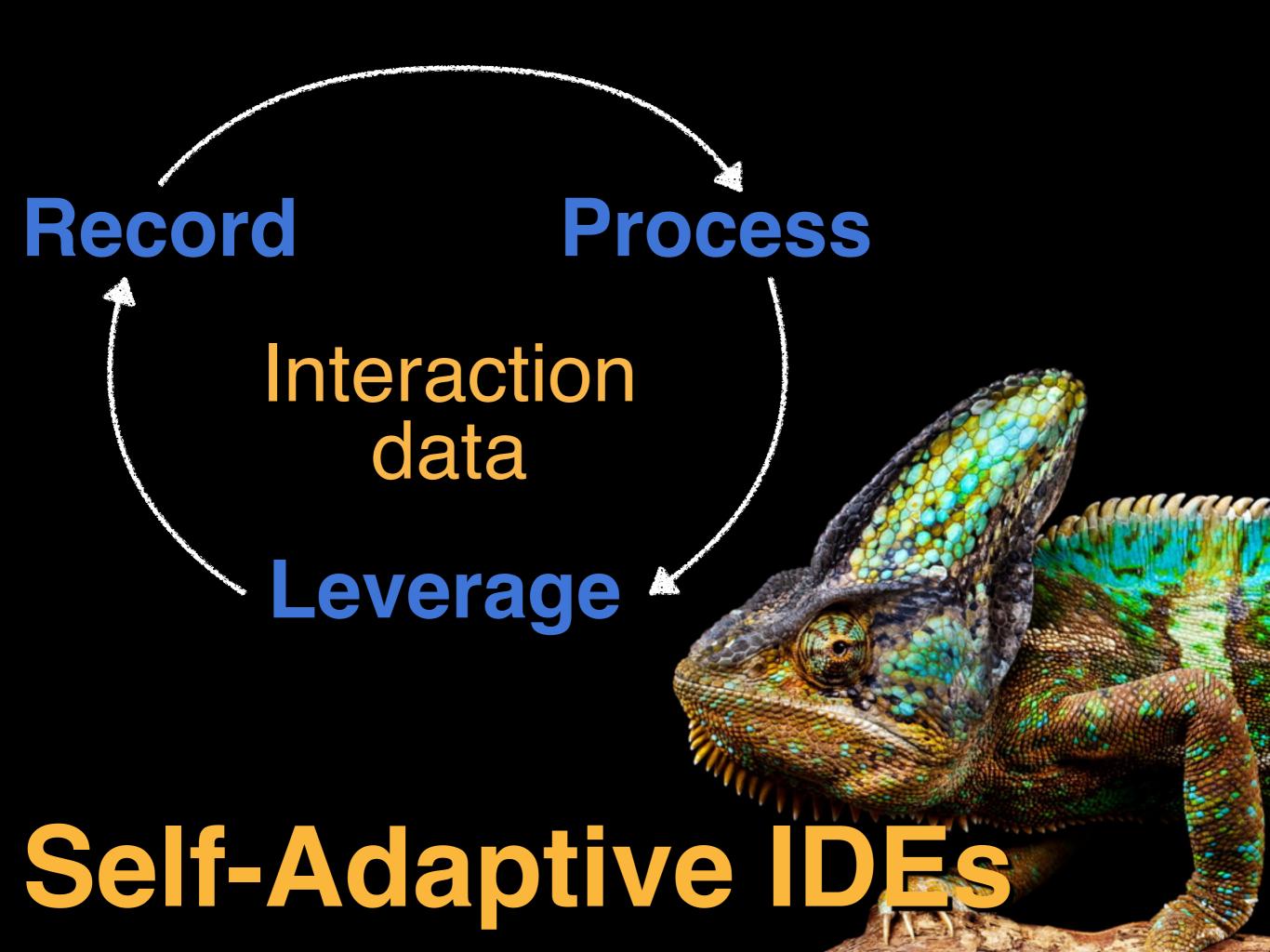


Record

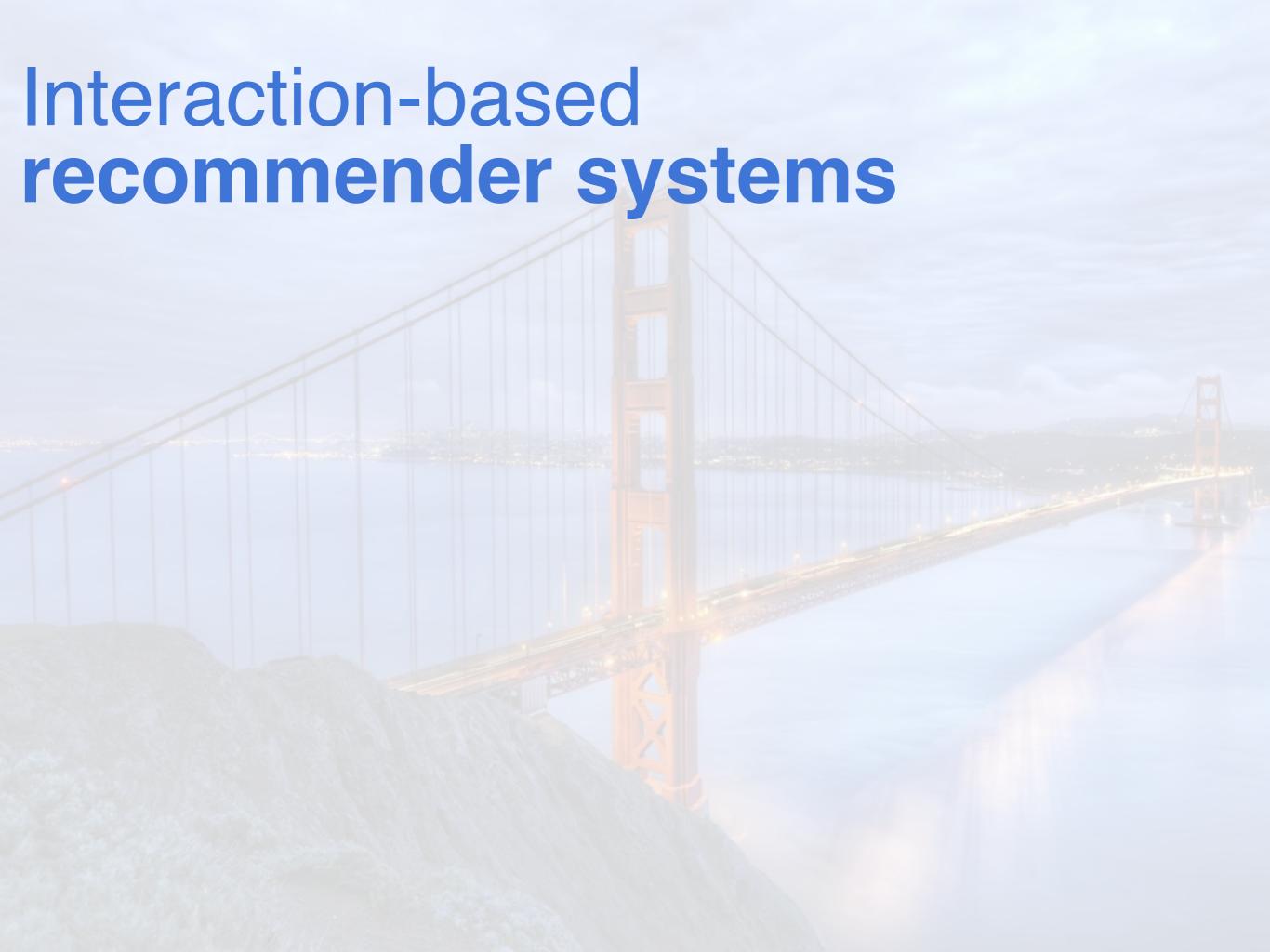












Interaction-based recommender systems

Adaptive user interfaces

Interaction-based recommender systems

Adaptive

Live/adaptive visualizations

Interaction-based recommender systems

Provide developers with suggestions on how to **navigate** code more efficiently or how to **debug** code in a faster way.

Adaptive user interfaces

Code browsers that automatically reshape themselves to better support different activities, such as source code navigation.

Visualizations that **co-evolve** with the evolution of the software system. This views can act as a "**visual memory**" for developers.

Visualizations that **co-evolve** with the evolution of the software system. This views can act as a "**visual memory**" for developers.

Adaptive

Visualizations that depending on context, history, and the type of session, **reshape themselves** (e.g., changing layout, colors).

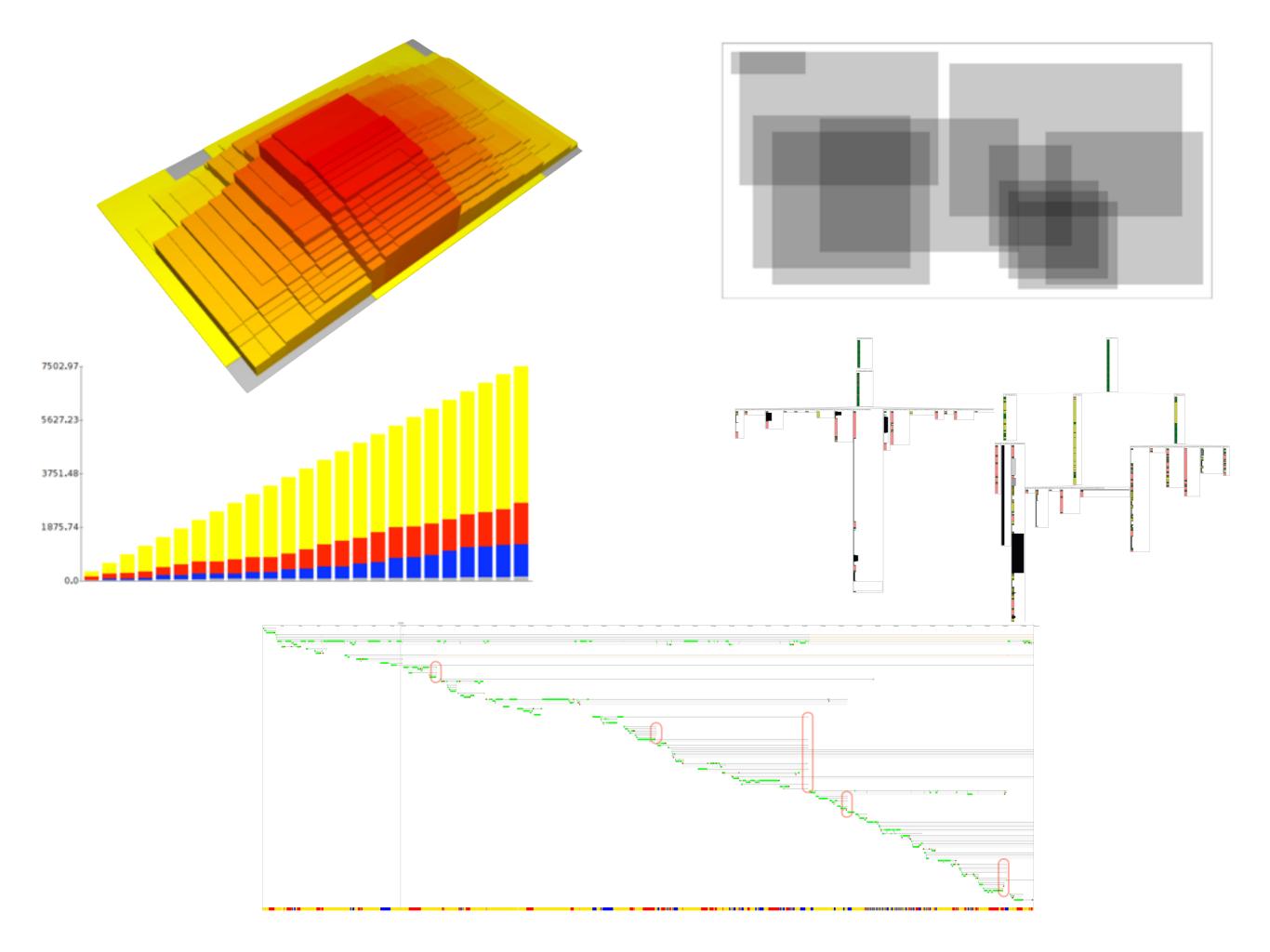


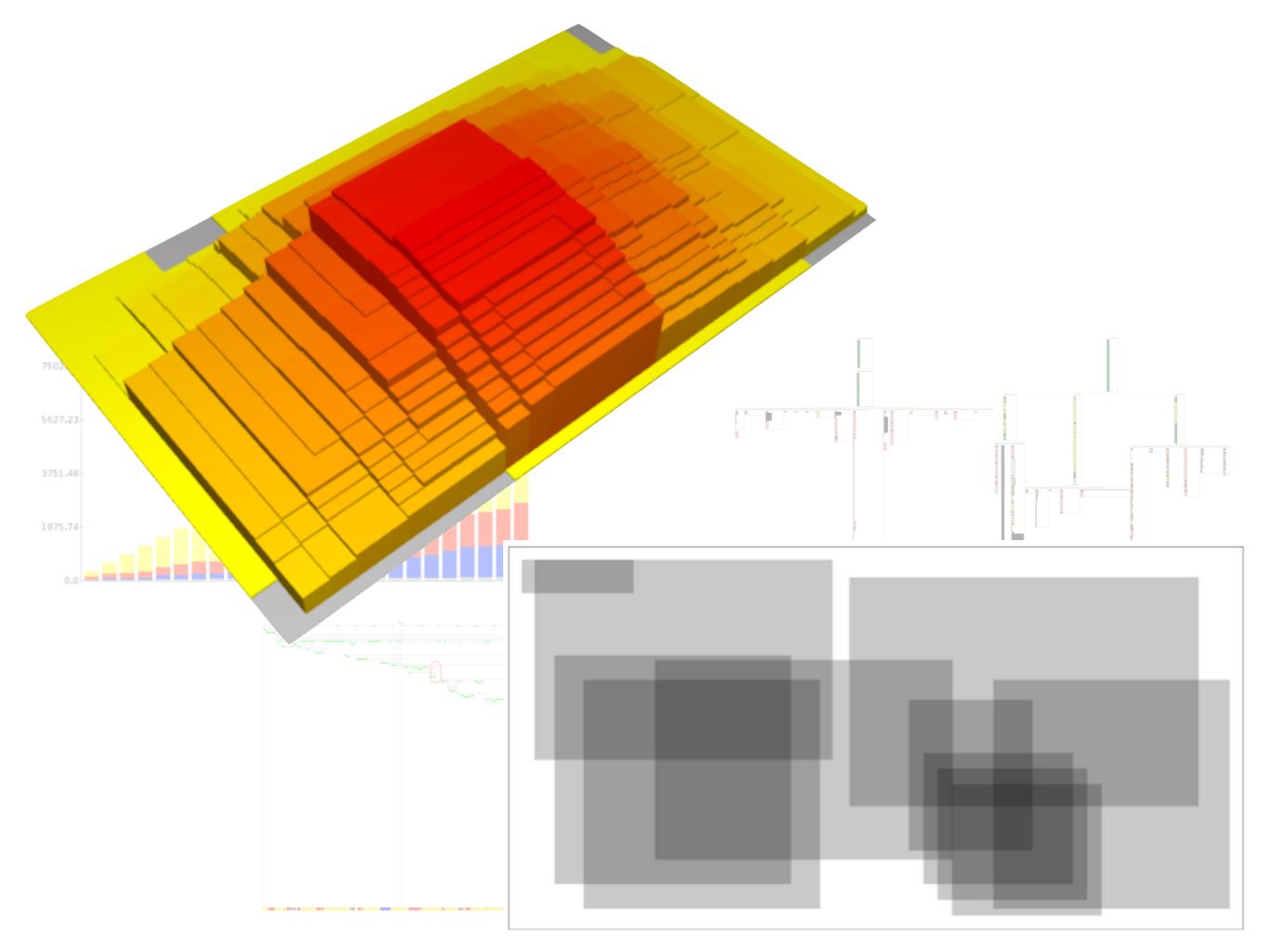


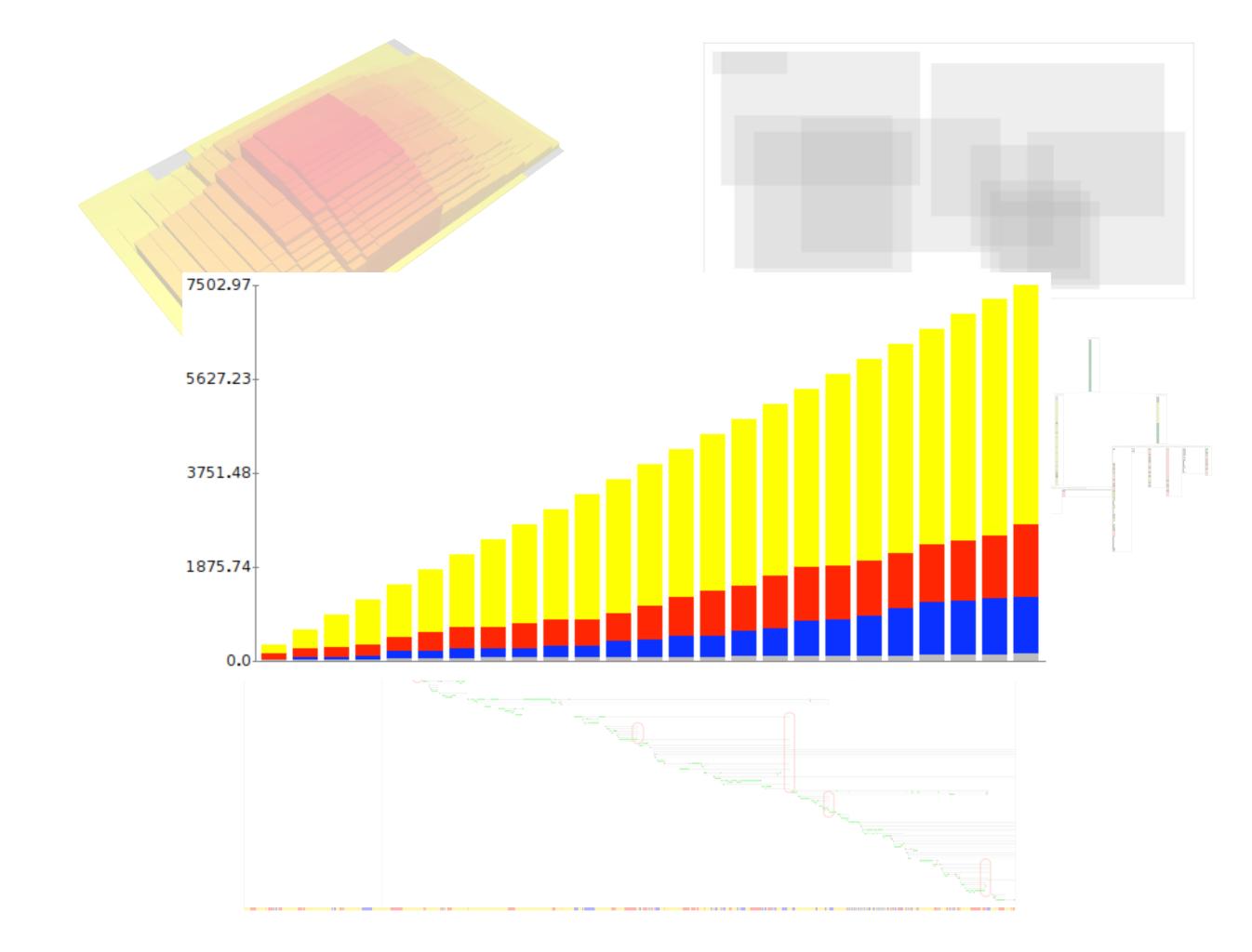
An interaction profiler for the Pharo IDE

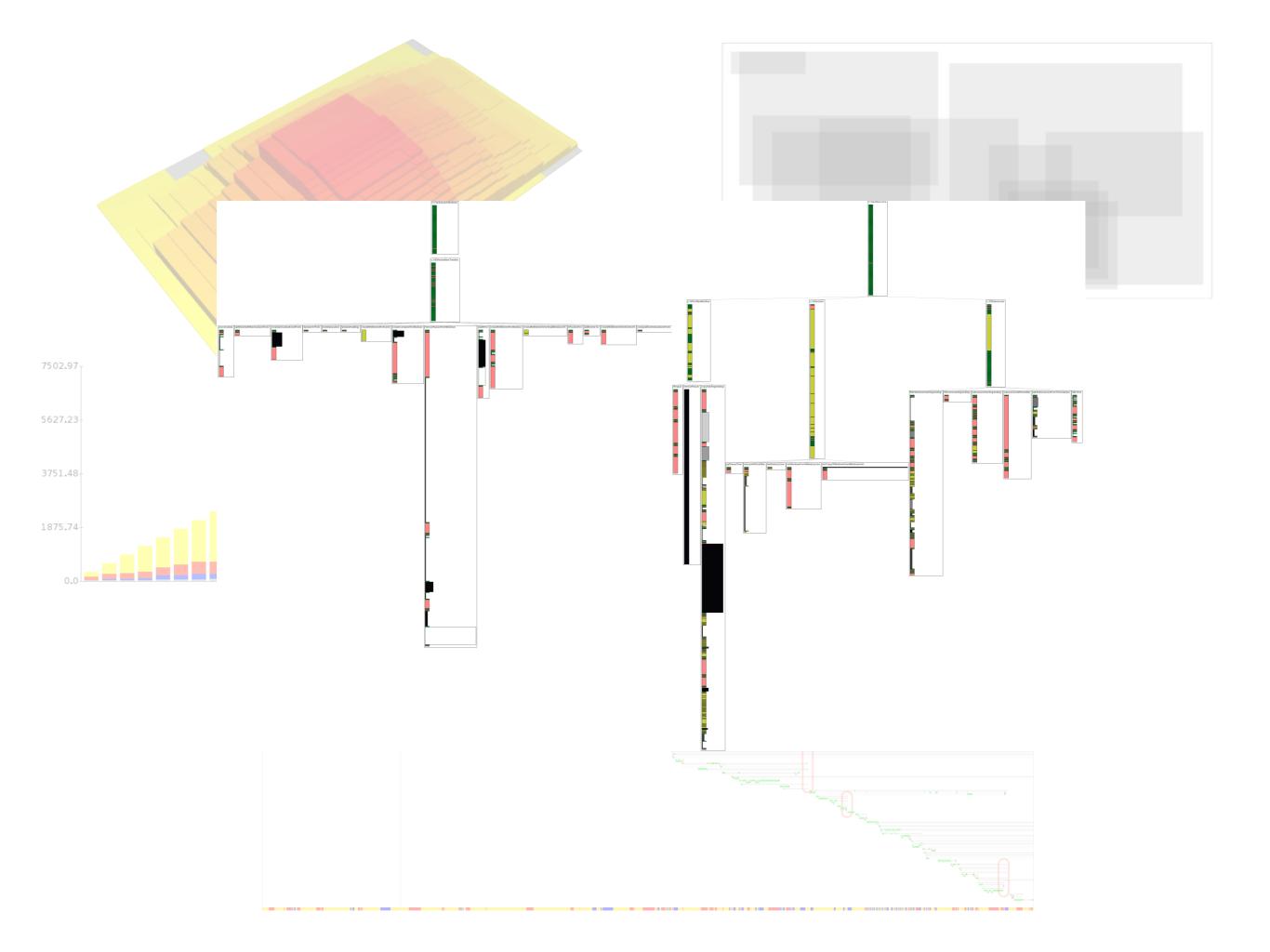


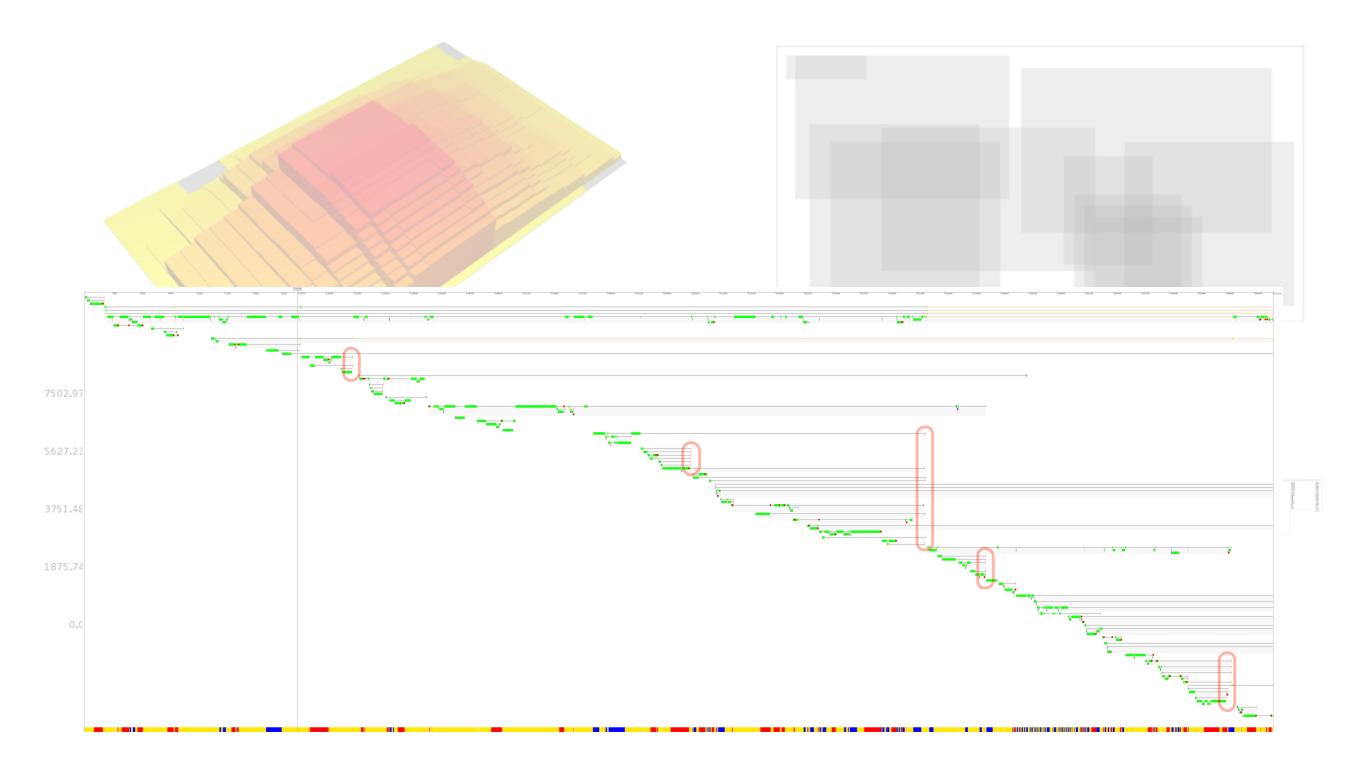
An interaction profiler for the Pharo IDE

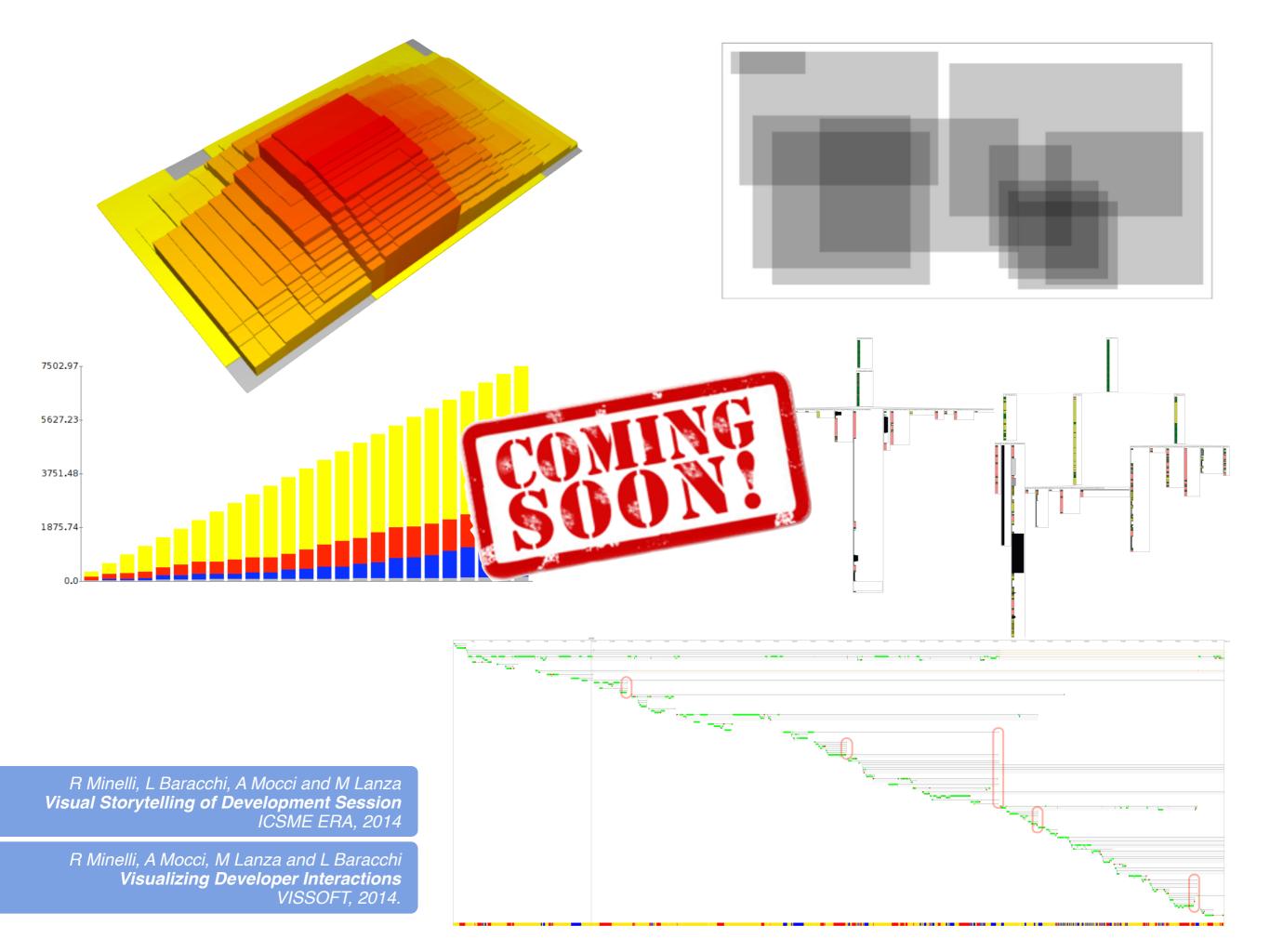






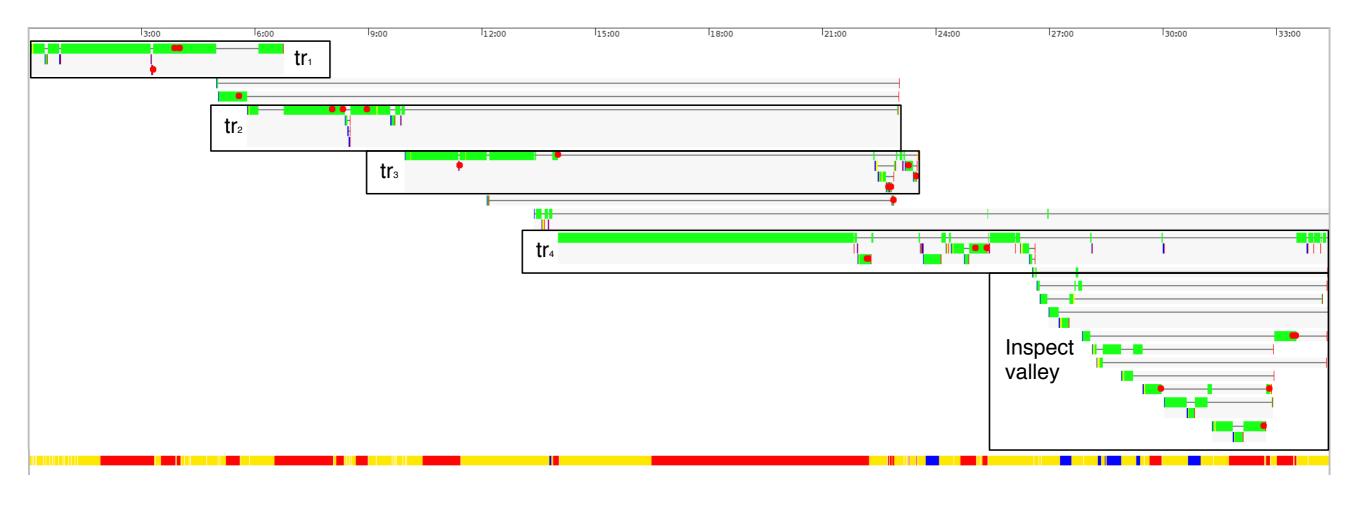






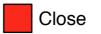


The "Inspect Valley"

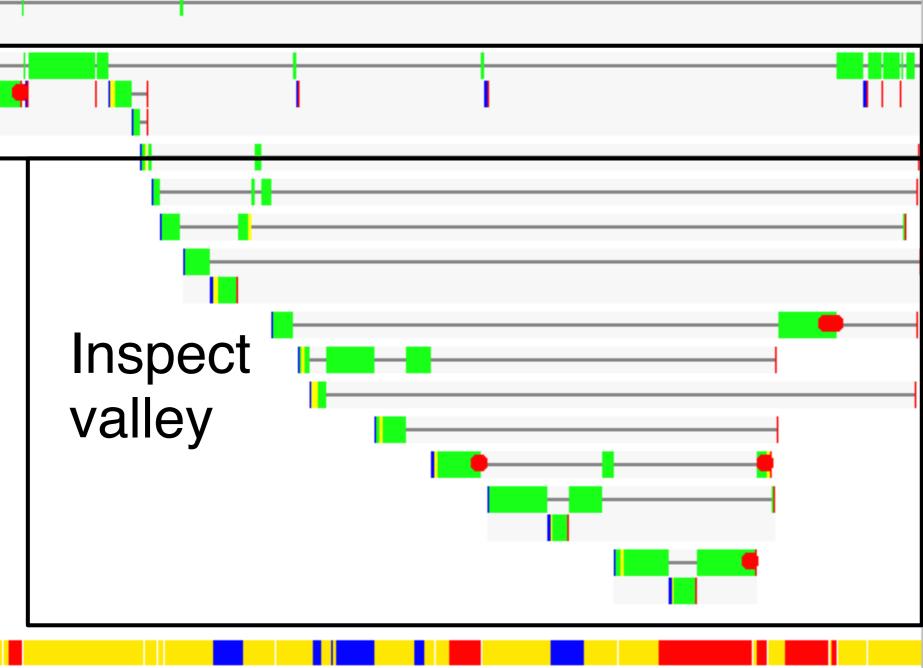




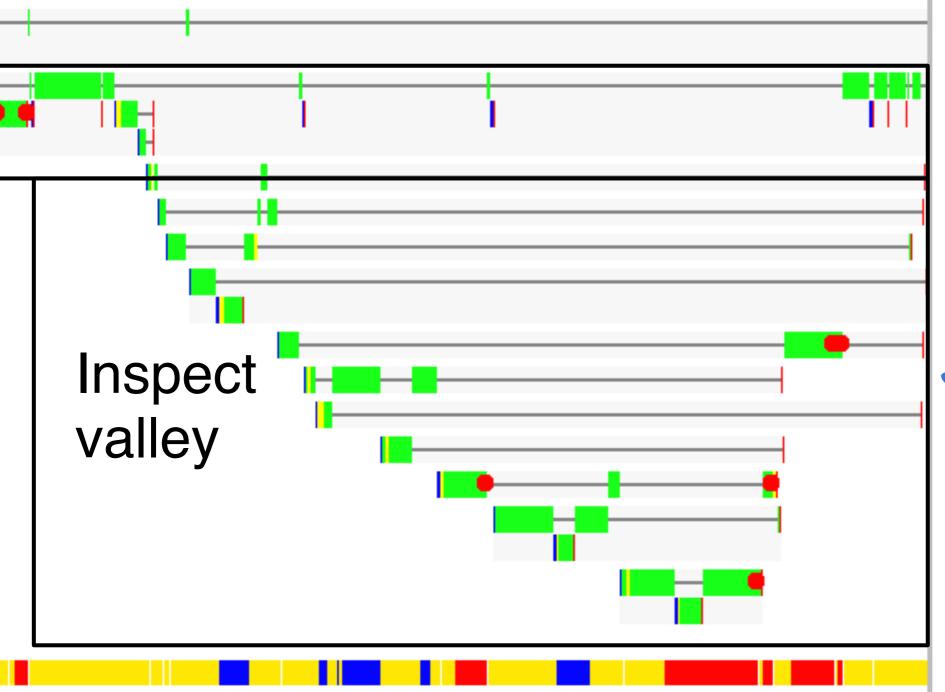




The "Inspect Valley"

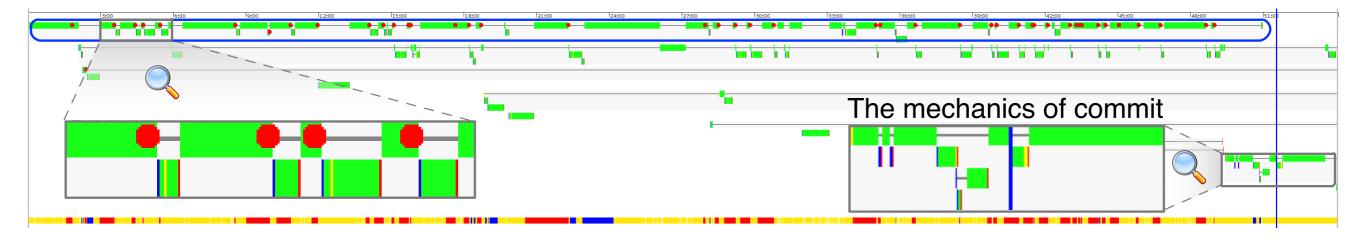


The "Inspect Valley"



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The Mispector?

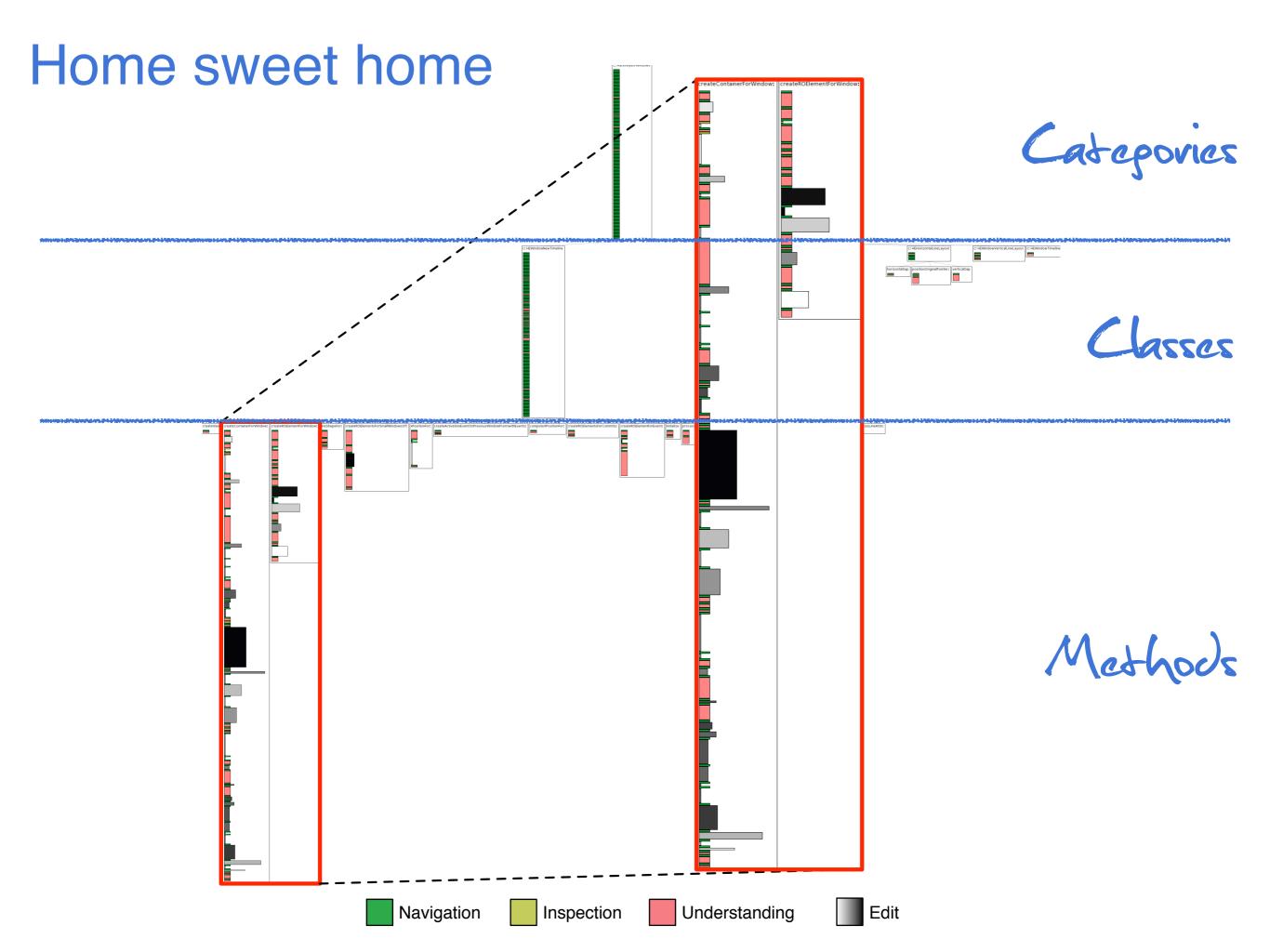
Home sweet home











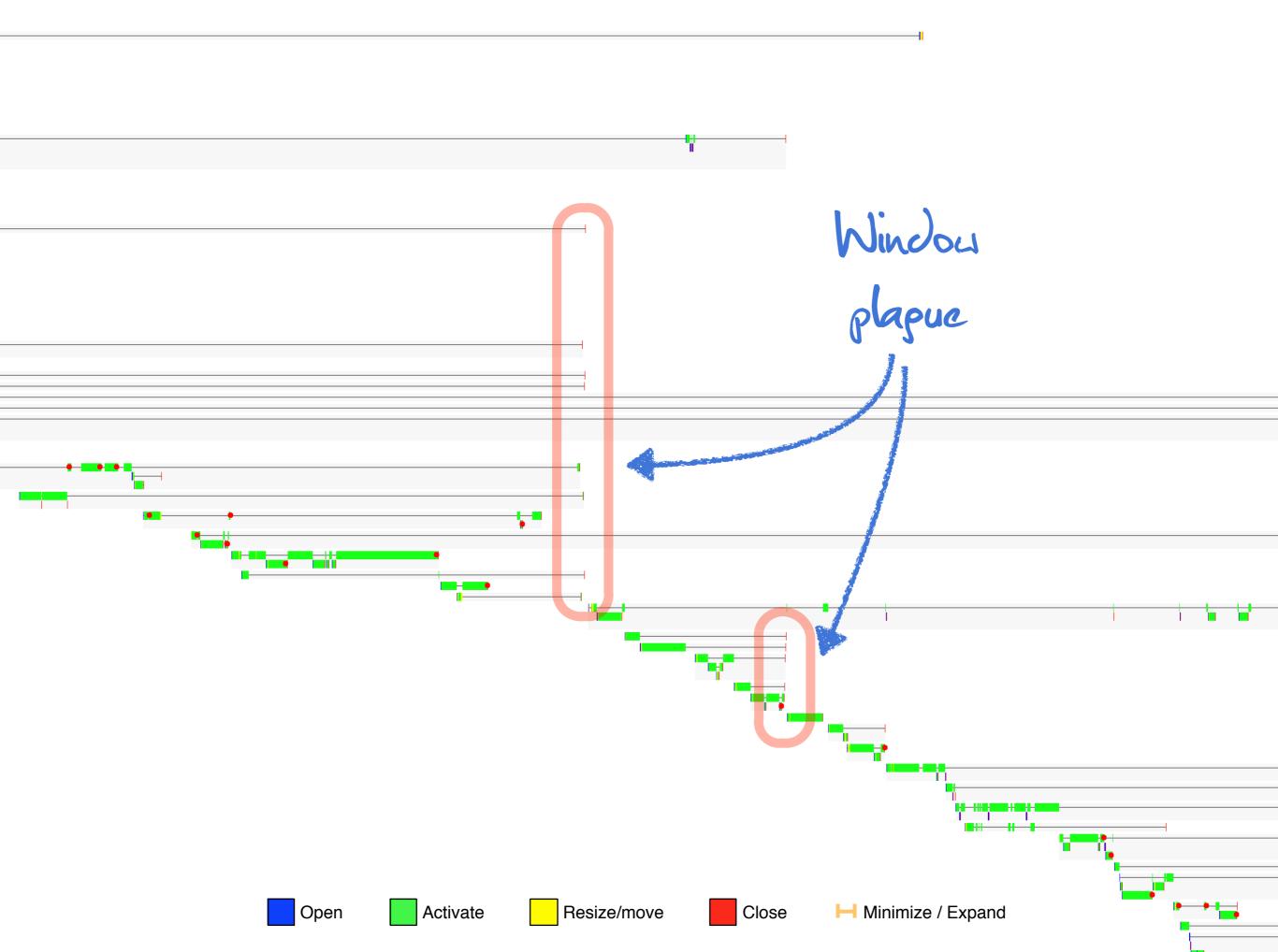
Killing bugs and windows (a.k.a. Window Plague)















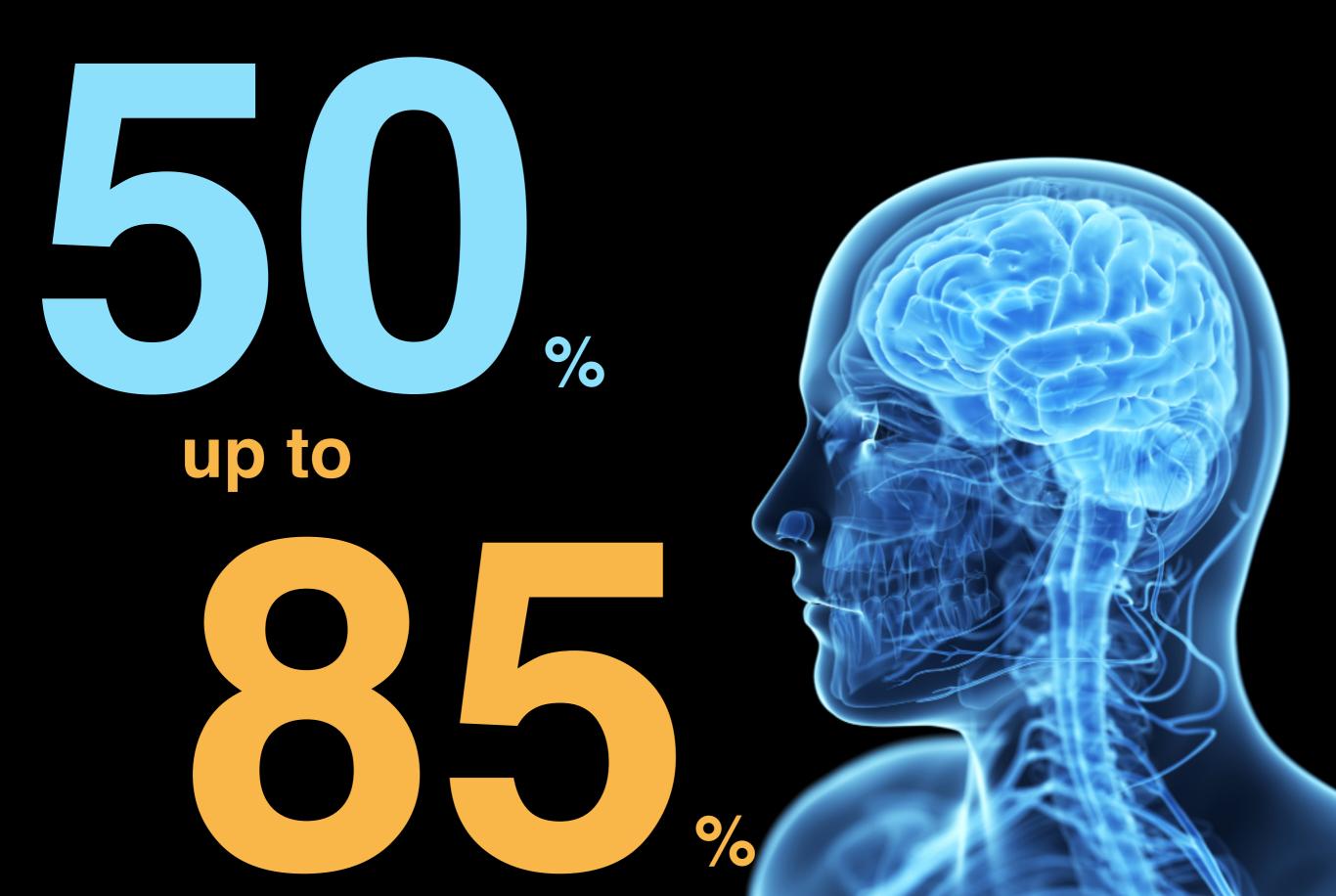
at most



at least



at least



How to install



```
Gofer new
    smalltalkhubUser: 'RobertoMinelli'
    project: 'DevFlow';
    package: 'ConfigurationOfDevFlow';
    load.

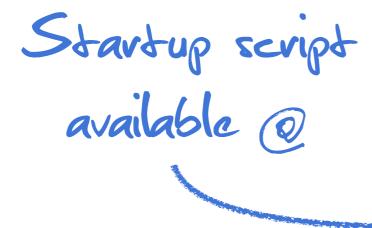
ConfigurationOfDevFlow loadAsUser.
```

How to install



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    smalltalkhubUser: 'RobertoMinelli'
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ConfigurationOfDevFlow loadAsUser.
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How to install



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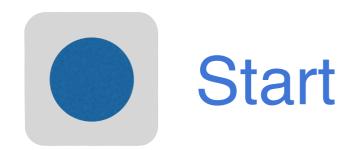
Startup script available @

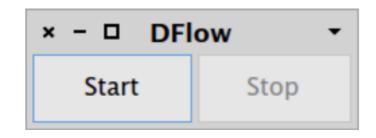
























Start



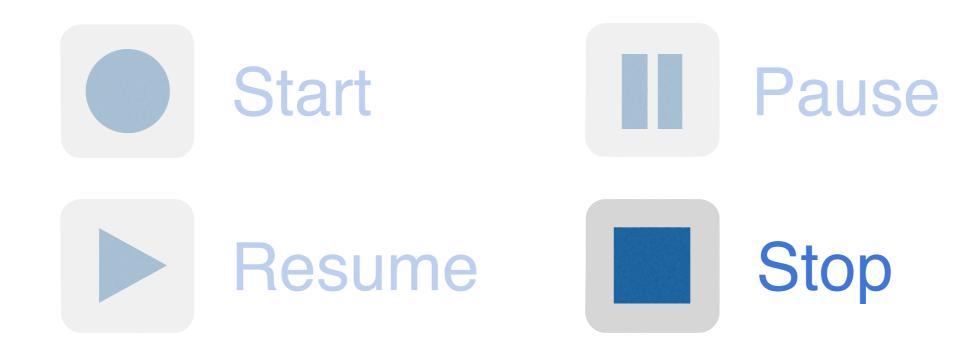
Pause



Resume

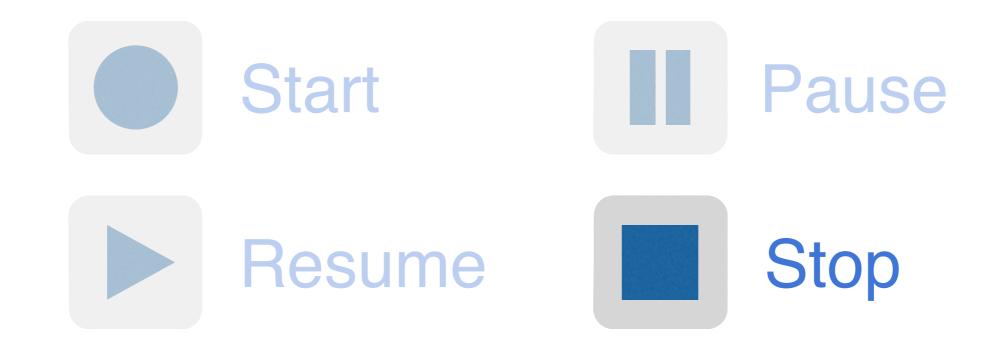












× - 🗆	DFlow - Do you want to add additional information?	~
Description:	Removing an annoying bug	1
Type:	'Bug-fixing session'	~
	Confirm and finalize session	



