

Scala Center Roadmap for 2023

Advisory Board Meeting, 16th January 2023



Agenda

- Highlights of 2022
- Scala Ecosystem
- Strategy and goals



Highlights of 2022

- Restarted the Scala Improvement Process
- Implemented the Scala 3 debugger of Metals
- Unified (Scala 2 / Scala 3) the documentation website
- Defined tools to manipulate programs based on the TASTy representation



Scala Ecosystem





Language, Compiler, Standard Library

- Make the compiler error messages clearer and more actionable
 - The compiler should assist you, not insult you
- Reduce the development cost of some IDE features
 - Automatically create IDE actions (quick fixes, imports, etc.) from the compiler's diagnostics
- Unfreeze the standard library
- Clarify and communicate the Scala 3 roadmap
 - What is in the LTS? When will it be released? What can we expect from the next releases?



Developer Experience

- Make Scala more beginner-friendly to install
 - Create native packages and installers for Windows, macOS, Linux
- Streamline the “project import” scenario in IDEs
- Untie Metals releases from Scala releases
 - Create stable interfaces to make Metals work with any Scala version
- Improve the Scala 3 support on all the IDEs
- And also: maintenance on sbt, bloop, etc.



Community and Contributor Experience

- Support “standalone” programs in Scastie
 - Scala CLI model instead of sbt
- Publish TASTy-MiMa to prevent incompatibilities between versions of libraries
- Streamline the way to publish documentation of Scala libraries
 - Which tool should library authors pick (Scaladoc, Paradox, Laika, Docusaurus, Sphinx, microsites)?
 - How to publish multiple versions of the documentation?
- And also: organize ScalaDays, participate to conferences and meetups, run the compiler academy



Documentation and MOOCs

- Complete the landing page “revamp”
- Add “task-oriented” content to the documentation
 - Promote “simple Scala” programming style
- Improve the content of the course Effective Programming in Scala
- And also: maintain the website, mentor new contributors, manage our online learners

