2022 Project List

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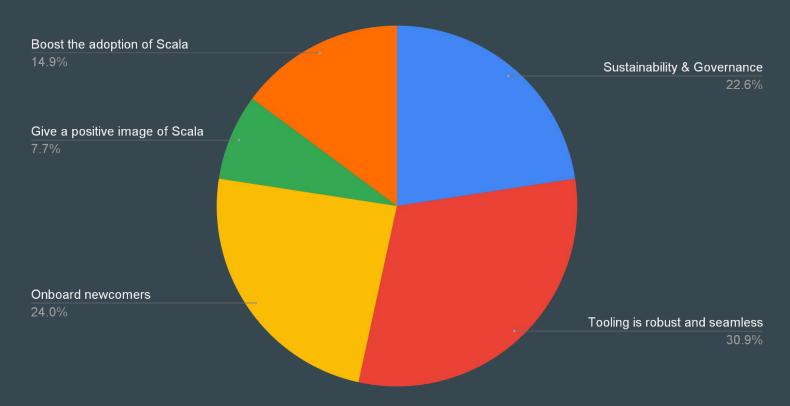
And focus on 1st quarter

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Disclaimer

- This is the first time we try this exercise, the result might not be perfect, and we are looking for your feedback to improve our process for the next time!
- Goal of the presentation: you have a clear idea of the impact the Scala Center wants to make in 2022, and what results it will produce in Q1 to this effect.

Types of Impact



Give a positive image of Scala

- Everyone has a positive opinion of Scala
- Everyone wants to try Scala 3
- The Scala ecosystem is dynamic

Give a positive image of Scala, in 2022 Q1

- Share achievements and engage the community on our projects with weekly publications on LinkedIn
- Publish 2 videos highlighting great use cases for Scala 3
- Create reusable slides and presentation material for talks at conferences
- Lead the Scala project at Google Summer of Code

Boost the adoption of Scala

- Widen the domains of usage of Scala (science, frontend)
- More teachers use Scala
- More programmers know about Scala

Boost the adoption of Scala, in 2022 Q1

- Create a community of teachers, organize a summit to find solutions to encourage teachers to use Scala
- Write tutorials and guides on how to be productive to do front-end development with Scala(.js)
- Interview several scientists who use Scala to do research work, assess "Scala in science"

Onboard newcomers

- Newcomers know what Scala is good for, and how to solve problems in Scala
- Newcomers quickly get started in Scala
- More programmers learn Scala
- Programmers are happy to write and run programs from within their web browser

Onboard newcomers, in 2022 Q1

- Identify the pain points of newcomers
- Focus content of scala-lang.org website on concrete use cases instead of language features
- Fix the remaining issues for Coursier to be used as the default Scala installation tool, and update the documentation accordingly (SCP-026)
- Communicate about our MOOCs to get more people completing courses in 2022
- Update remaining Coursera MOOCs to Scala 3 (and Spark 3.2)
- Provide an alternative online learning experience (code reviews, 1:1 sessions)
- In Scaladex, show trending libraries by category (like "awesome Scala", but automated)

Robust and seamless tooling

- A robust infrastructure supports the Scala ecosystem
- Scala just works
- Scala programmers happily debug their programs

Robust and seamless tooling, in 2022 Q1

- Release Metals with most of the top awaited features, and proper Scala 3 support
- Create a bot that sends security alerts on Github projects (like scala-steward, but for cybersecurity vulnerabilities)
- Create a library for manipulating TASTy files (sophisticated tooling could then be built on top of that)
- In Scaladex, show distinct pages for projects and their artifacts
- Document the stable HTTP API of Scaladex that can be leveraged by other tools
- Make sure that Scala 2 compiler reads artifacts compiled with Scala 3 (maintenance)

Sustainability & Governance

- The Scala infrastructure has no technical debt, and is easy to maintain
- Scala users actively contribute to libraries, or to the language
- Everyone knows what the Scala Center does
- Everyone knows about the current trends (Scala version, IDE, etc.)

Sustainability & Governance, in 2022 Q1

- Redesign the Scala Improvement Process
- Publish a 5-year report about the activities of the Scala Center
- Scaladex is reliably working, has fewer bugs, and codebase is simpler (maintenance, and growth of contributors)
- Update Bloop to use the original Zinc instead of a fork (simplified maintenance)
- Train several experienced programmers to mentor new contributors to the Scala 3 compiler
- Create a communication strategy within the Scala Center, to communicate more effectively
- Create a Scala Center shop, to let everyone support the Scala Center