QGIS.ORG

Documentation and Infrastructure Annual Report 2025

Summary

The 2025 QGIS Documentation and Website Annual Report highlights a year of consistent progress across documentation, web infrastructure, and community-facing work. Throughout the year, the documentation team, comprised of Selma Vidimlic Husic and Hefni Azzahra (see below for our introductions), focused on improving the quality, accuracy, and completeness of QGIS documentation.

Key efforts included reducing the number of open documentation issues, maintaining existing content, and adding new material where gaps were identified. Further details on these activities and outcomes are described in the sections that follow in this report.

At the same time, important improvements were made to the project's web infrastructure. Lova Andriarimalala led significant maintenance and modernization work, including splitting services across individual VPSs (virtual servers), branding alignment with the new QGIS.org website and improving overall server performance. These changes increased reliability, improved UI/UX and provided a more stable foundation for the continued growth of QGIS's online services.

Overall, 2025 was a year focused on strengthening the core systems that support QGIS users and contributors. The work described in the rest of this report reflects a sustained effort to ensure that both documentation and web infrastructure remain dependable, up to date, and ready to support the project in the years ahead.

1. Team Profile

Lova Andriarimalala
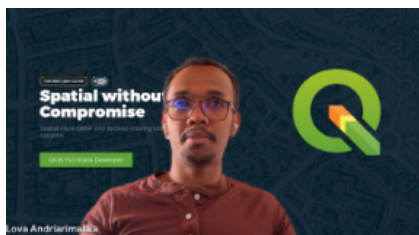
I am a Full-Stack Developer funded by QGIS, specializing in building and maintaining the ecosystem of QGIS websites. My work spans frontend and backend development, infrastructure improvements, performance optimization, UX refinements, and the creation of tools that make QGIS resources easier to navigate.

Beyond maintaining the current infrastructure, I contribute to strategic improvements across the QGIS web landscape - improving architectures, implementing automation, and enhancing

contributor workflows. Through this role, I support the broader mission of QGIS by ensuring its online presence reflects the high quality of the software and the vibrant community behind it.

Individual Message:

"This year has been a really enjoyable journey working on the QGIS websites. I've had the chance to dive into many different parts of the web ecosystem such as fixing issues, improving workflows, cleaning up old parts of the infrastructure, and helping make the sites clearer and more useful for the community. What I appreciated most was how collaborative everything felt: discussing ideas with contributors, learning from the community, and seeing small improvements add up to a better experience for everyone. It's been a fulfilling year, and I'm excited to keep building on this work."

Contact me: lova@kartoza.com

Selma Vidimlic Husic
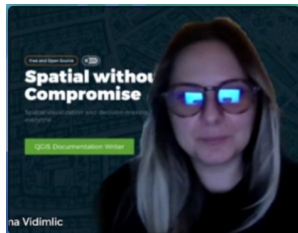
I am a QGIS Documentation Writer focused on keeping QGIS user documentation accurate, clear, and aligned with how the software actually works. I test features in QGIS, check behaviour in the source code when needed, and update sections inside the QGIS User Manual and other parts of official documentation.

My contributions include writing and editing documentation, reviewing pull requests, improving examples and workflows, onboarding and supporting junior writer and other contributors, and helping ensure that new features are documented consistently. I also support the community by presenting at QGIS events and creating videos that explain documentation updates. My work helps maintain reliable, up-to-date documentation for the global QGIS community.

Individual Message:

"This year has been really interesting. I've learned a lot about how the open-source community works, improved my technical skills, and expanded on the knowledge I already had. I've also gained a clearer understanding of what the documentation writer role involves and how our work contributes to the project. I'm truly grateful for this experience, and I'm especially happy to have had the chance to meet and collaborate with such smart and dedicated people who have made QGIS the great project it is today.

I also believe it would be very beneficial if the wider community could be a bit more involved in documentation organisation, particularly when it comes to setting priorities that align with the development plan. This kind of support would help us focus our efforts where they are most

needed and ensure that the documentation continues to grow alongside the project. If you want to help, please reach out to me!"

Contact me: selma@kartoza.com

Hefni Azzahra
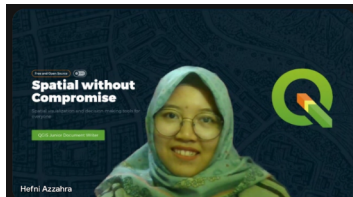
I am a Junior QGIS Documentation Writer, I started working for the QGIS project in July 2025. I check how features work in QGIS, update descriptions and examples, and help ensure that new tools are properly documented. I also collaborate with other writers and contributors. My other contributions include creating videos for QGIS sprints to announce documentation updates. I am committed to helping users understand QGIS through clear and up-to-date documentation.

Individual Message:

"I'm so grateful for this role. I've learned many new things, and until now, every day still feels like learning. From testing features to documenting the process and sharing it with the community, it has all been very rewarding. It feels nice to contribute to the community, even through small things like fixing typos or adding visual examples.

Back on my first day, I started by addressing "good first issues" (the GitHub issue label used to indicate issues suitable for those getting started with working on the documentation). Now, here I am, busy with more complex ones. Investigating things has become part of my life. This has been a fulfilling year with QGIS. Collaborating with amazing people and contributing to the community are truly my things. I hope I can continue contributing more and more."

Contact me: hefni@kartoza.com

2. Annual Goals

At the start of each year we try to establish clear, achievable goals for the year. These are the goals we set for 2025.

QGIS Documentation

Goal	Status	Note
Present Survey2024 Results	✅ Done	Presented on the QGIS conference 2025
Keep number of documentation related issues under 150	✅ Done	Current number of all open issues is around 120
Improve step by step guides	⌛ Work in progress	We will continue working on this in our 2026 work plan.
Onboard another writer	✅ Done	Welcome Hefni!
Improve internal communication with the funded QGIS team members.	✅ Done	Starting in September, we began holding meetings every two or three weeks and established a dedicated chat room. These were 'inward-looking sessions' focused on strengthening our internal processes and team coordination. Next year, we plan to shift our focus outward and arrange more community activities to better engage with our users and contributors.
Focus on Upcoming Releases	⌛ Work in progress	We aligned our documentation work with QGIS release schedule. Clean up the issue tracker to close old/irrelevant issues. Our work now prioritizes new releases, reducing focus on backlog issues linked to old

		releases.

QGIS documentation serves as the primary guide for users, developers, and educators, ensuring that the software is accessible and understandable at all levels. It is organized into several key resources:

User Manual	The largest and most comprehensive resource, with 27 chapters covering everything from basic usage to advanced workflows. The manual is available in both the Long-Term Release (LTR) version, which covers stable features, and the Testing version, which documents the newest features.
Server Manual	Provides guidance for system administrators on installation, configuration, and management of QGIS server instances.
Training Manual	Supports educators and users with structured exercises and learning materials.
Documentation Guidelines	Ensure consistency, clarity, and quality across all documentation contributions.

2025 was an exciting year for the QGIS documentation team. We refined our organizational approach and introduced regular team check-ins, which helped us plan more effectively and keep our documentation current.

Building on a user survey we conducted at the end of 2024, we gathered valuable insights from over 1,500 responses. The results confirmed that the User Manual is our most-used resource, reinforcing our decision to make it our top priority. Throughout 2025, the team focused extensively on maintaining and enhancing the User Manual, ensuring the content remains accurate, comprehensive, and aligned with QGIS's development roadmap. We also learned that users strongly prefer step-by-step tutorials, so we've worked to incorporate more of this format wherever appropriate. The survey findings continue to inform our ongoing planning and improvements.

A significant milestone this year was the creation of a junior writer position within our team - welcome to Hefni who filled this position!

We also established a chat room for contributors interested in documentation writing, which has fostered wonderful connections with new contributors. We're particularly proud that the QGIS

project continues to grow and diversify, welcoming new team members including more women to our community.

Through these structured initiatives and our strengthened team, we've maintained high-quality, reliable documentation while keeping pace with QGIS's ongoing development. Looking ahead to 2026, we're optimistic about building on this momentum and have set ambitious goals to deliver even more helpful and accessible documentation for our community, an important step forward for our work.

End of 2024	Early 2025	2025	2026
✓	✓	✓	→
User Survey	**Team Communications**	**New Team Member**	**2026 Goals**
2,000+ responses	Regular meetings & chat room	Junior writer role established	Engage more contributors & community activities

QGIS 3.44
Documentation for QGIS 3.42 to 3.44
Due by February 20, 2026 · 89/91 issues closed
97% complete   **2** open   **89** closed   ...

QGIS 4.2
Documentation for QGIS 4.0 to 4.2
Due by October 23, 2026 · 54/76 issues closed
71% complete   **22** open   **54** closed   ...

In 2025, the QGIS documentation team (Harrissou, Hefni, and Selma) merged a total of 898 pull requests, including both backend and backport PRs. This work included 56 updates to processing algorithms, 143 new features, and many other improvements across the documentation.

We want to sincerely thank all our contributors for their effort, dedication, and good communication throughout the year.

QGIS Websites maintenance

In addition to the primary QGIS.org website, we manage several associated websites, as illustrated in the following diagram.

plugins.qgis.org
QGIS Plugins Repository

hub.qgis.org
QGIS Resources Hub

feed.qgis.org
QGIS Feed Manager

planet.qgis.org
QGIS Planet Blog Aggregator

QGIS.org

conference.qgis.org
QGIS User Conference Website

members.qgis.org
QGIS Sustaining Members Portal

certification.qgis.org
QGIS Certification Programme Platform

changelog.qgis.org
QGIS Changelog Manager

The following table summarizes the progress on the QGIS Websites based on the status of each goal that was defined at the beginning of the year. For a complete detailed report, please refer to 📄 QGIS Full Stack Developer 2025 report.pdf .

| Goals	Status/Comment
Goal 1: Harmonize the operating system and deployment strategy on all servers and start decommissioning old Infrastructure. The motivation for this goal is to ensure that all QGIS servers deployed are secure, reliable and easy to manage.	⌛WIP: Almost done This has been a major focus throughout the 2025 calendar year and we are planning to roll out this new infrastructure for the QGIS project in early 2026. A big thank you to Ivan Minčík for his valuable work on designing and implementing the initial configurations of this new infrastructure but also for his continuous support.
Goal 2: At the end of 2024 we launched the new QGIS.org web site. Then introduced our new branding to the world. However there were various other web assets that needed this branding to be consistently applied to it, so our goal was to enhance the QGIS branding consistency across all web sites. *Some screenshots of these updated websites are available in the next page.*	✅ Done
Goal 3: For security, separation of concerns and improved management and reliability we planned to split all services so that each one runs on its own micro server instance.	✅ Done
Goal 4: Unified Logins and PassKeys. We started implementation work to provide a unified single sign on experience across all QGIS web sites.	⌛WIP: Work started, but implementation depends on Goal 1
Goal 5: Improving Server Performance to reduce monitoring notifications and improve reliability	✅ Done: We set up a multi-regional servers with load balancer and an S3 bucket (See also Goal 7) for the download infrastructure. More improvements will be done for other servers depending on Goal 1.
Goal 6: Optimizing network traffic by adopting	✅ Done

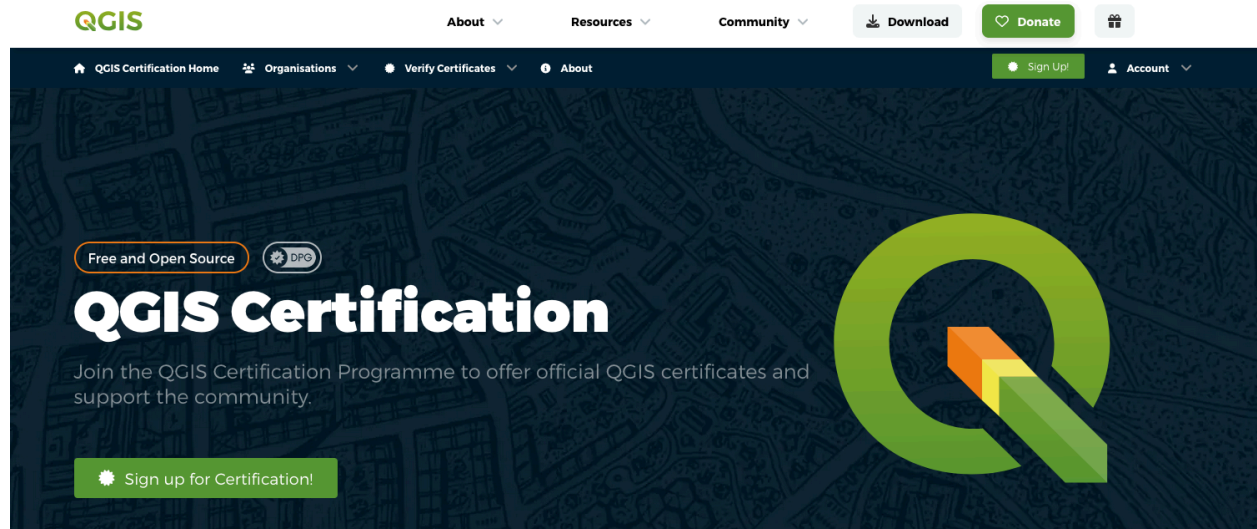|	
an internal static file management and performance optimizations	
Goal 7: Using Hetzner S3 for Media Storage A screenshot of the new downloads listing page and the performance improvements are shown in the next pages.	✅ Done: **QGIS Downloads Migrated to S3**, TODO: Django websites media migrations
Goal 8: Managing Repository Issues which involves reducing open issues and ensuring responsiveness to community-reported feature requests and bugs across repositories.	✅ Continuously working on. During 2025, we have managed to close about 400 issues and merge over 450 PRs.

Goal 2 screenshots:

Branding updates on the QGIS Plugins (plugins.qgis.org) website
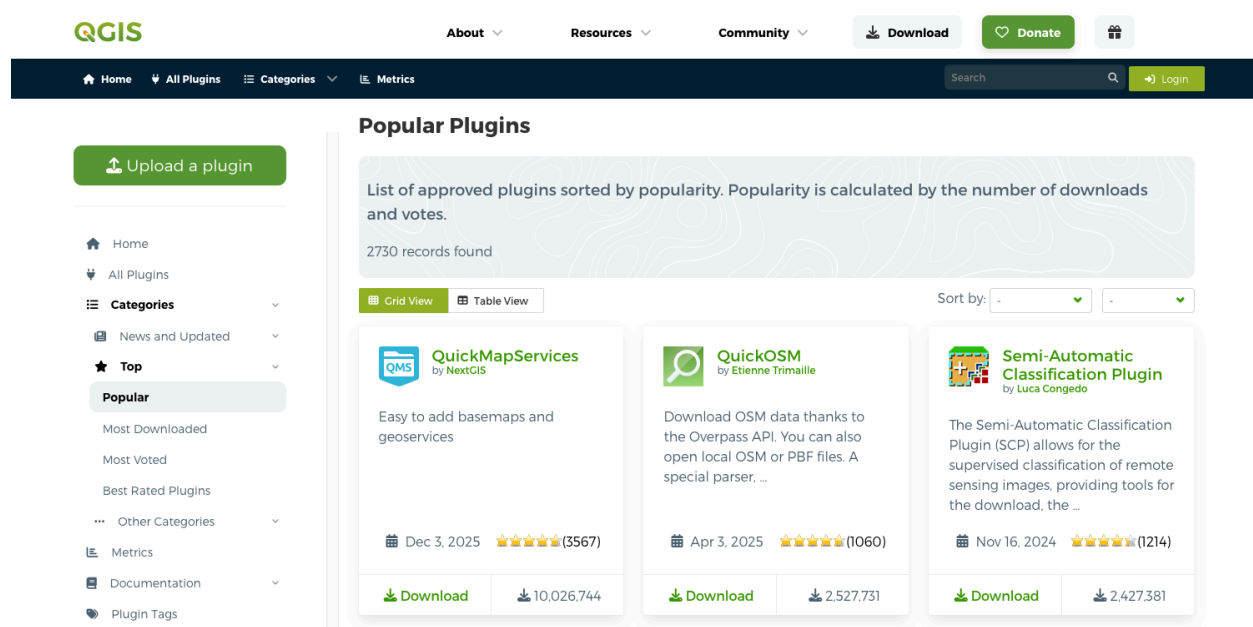
Branding updates on the QGIS Certification (certification.qgis.org) website

![QGIS Certification page screenshot showing navigation bar with QGIS Certification Home, Organisations, Verify Certificates, About, Sign Up, Account. Main banner reads "Free and Open Source", "DPG", "QGIS Certification", "Join the QGIS Certification Programme to offer official QGIS certificates and support the community." with a "Sign up for Certification!" button.]

Goal 7 screenshots:

Downloads listing page on QGIS.org

![QGIS Downloads listing page screenshot with navigation: About, Resources, Community, Download, Donate. Left sidebar: Project, Community, Resources, Funding, Goodies, Download, Archive. Search by filename field and file listing table.]

Name	Size	Modified
📁 android 40 items	—	—
📁 data 4 items	—	—
📁 macos 323 items	—	—
📁 macOS 33 items	—	—
📁 windows 1293 items	—	—
📄 qgis_sample_data.tar.gz.old	20.75 MB	Nov 18, 2025
📦 QGIS-1.4.0-1-No-GrassSetup.exe	28.96 MB	Dec 12, 2025
📦 qgis-1.6.0.tar.bz2	16.67 MB	Dec 12, 2025

Showing 633 items

Download performance improvements using the S3 bucket

```
| your-objectstorage.com/QGIS-OSGeo4W-3.  | 970.3 MB   | 37.2s    | 26.05 MB/s  | 100%        |
| 40.12-1.msi                             |            |          |             |             |
+-----------------------------------------+------------+----------+-------------+-------------+
| qgis.org/QGIS-OSGeo4W-3.40.12-1.msi     | 970.3 MB   | 111.1s   | 8.78 MB/s   | 100%        |
+-----------------------------------------+------------+----------+-------------+-------------+

🏆 FASTEST SOURCE:
   Custom Mirror: 26.05 MB/s
   Performance gain: 197.0% faster

● Update Todos
 L  ⊠ Create NixOS flake.nix with required dependencies
    ⊠ Create benchmarker script to test download speeds
    ⊠ Add configuration and output formatting
    ⊠ Test the benchmarker

● The benchmark completed successfully! Results show:

- Custom Mirror: 26.05 MB/s average
- Official QGIS: 8.78 MB/s average
- Performance gain: 197% faster (nearly 3x speed improvement)

The custom object storage mirror at nbg1.your-objectstorage.com significantly outperforms the official QGIS
download server for this 970MB file.
```

3. Retrospective videos

Commencing in March 2025 we began publishing bi-weekly video reports on our QGIS documentation and website work. . Below is the list of those videos:

- [March 24 – April 4, 2025](#)
- [April 7 – April 18, 2025](#)
- [April 21 – May 02, 2025](#)
- [May 05 – May 16, 2025](#)
- [June 09 – June 27, 2025](#)
- [June 30 – July 11, 2025](#)
- [September, 2025](#)
- [October 06 – October 17, 2025](#)
- [October 20 – October 31, 2025](#)
- [November 03 - November 14, 2025](#)
- [November 17 - November 28, 2025](#)
- [December, 2025](#)

4. Thanks

- Thanks to Sustaining Members, donors for making our roles possible
- Thanks to the QGIS Community
- Thanks to the PSC, Tim Sutton for the guidance and mentorship

- Thanks to Kartoza Team for administration support
- Thanks to Ivan Minčík for his valuable work and continuous support on the new infrastructure
- Thanks to Harrissou Sant-anna as a documentation repository maintainer for guidance and mentorship
- Thanks to ourselves! 😀 🇧🇦 🇮🇩 🇲🇬