



European Atlas of the Seas: Technical developments



11th Steering Committee meeting 17/04/2024

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Agenda

1. Achieved and ongoing technical developments

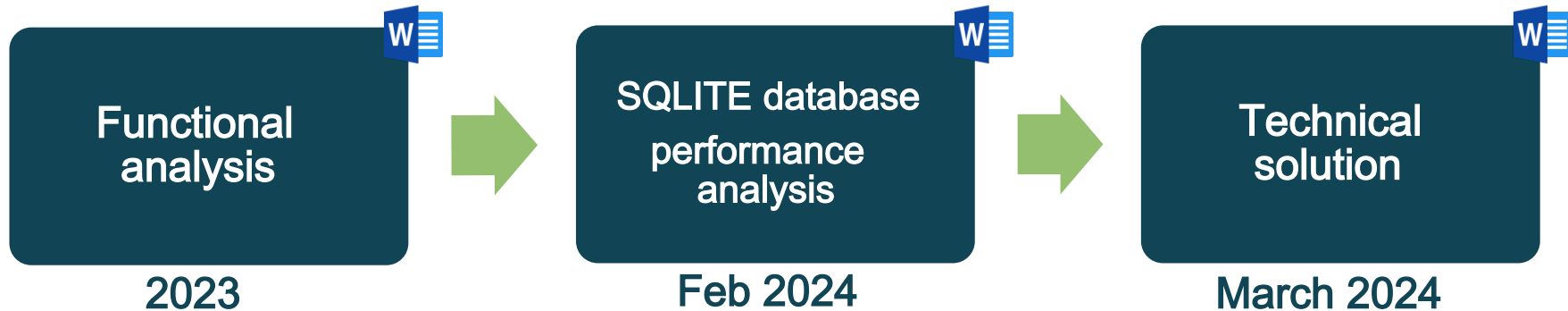
- My maps V2
- Translations
- Maintenance

2. Planned features

- April 2024 onwards



My maps V2 : “My locations” and “My map notes”

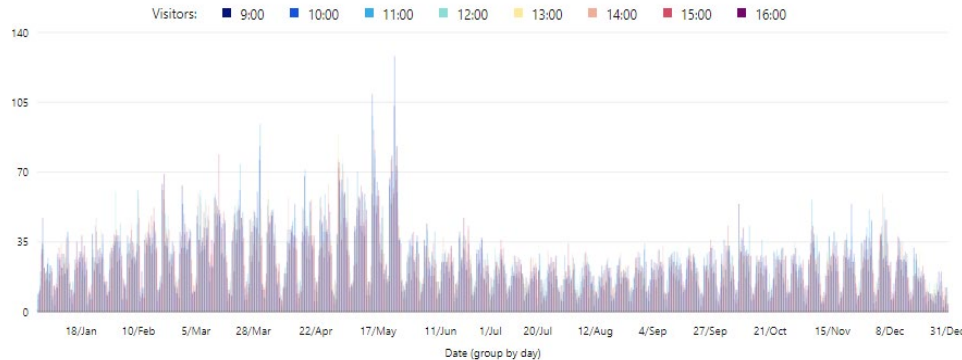




My maps V2: Analysis of SQLITE database

Assess SQLite for "My Maps" tool with upcoming features "My Locations" and "My Map notes"

1. Atlas traffic analysis 2023



Source: EC Web Analytics tool

2023 – Atlas statistics

Average daily visitors : 273
Peak hour users : 60-70
Average visit duration : 1m 39s
Peak traffic : 128 visits/hour
Maximum concurrent Users : 4



My maps V2: SQLITE database analysis

Assess SQLite for "My Maps" tool with upcoming features "My Locations" and "My Map notes"

2. Definition performance test on SQLITE + SpatialLITE

PARAMETERS:

- **Sizes:** 2 GB, 4 GB, 10 GB, and 20 GB.
- **User concurrency:** 4, 10, 20, 30, and 60.
- **Geometries complexity:** Simple and complex geometries

SQLite demonstrated a **good** performance for all the tests

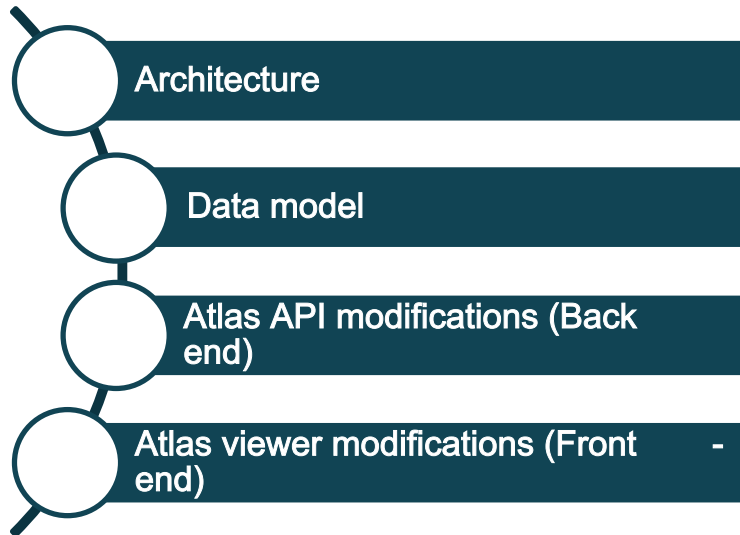


My maps V2: Technical solution for “My locations” and “My map notes”



Definition of a document with the technical solution to guide the implementation

Technical solution document with the explanation of:





My maps V2: ongoing tasks

Ongoing task: Database creation

- **SQLite Upgrade** : Elevate SQLite to the latest version
- **Spatialite Integration** : Embed the Spatialite extension
- **Data Model** implementation as described in the technical solution.

Steps for implementation:

Database creation



API extension



Viewer Interface Implementation





Translations in 24 languages

We keep working to maintain the Atlas translated in 24 languages!

Updated content

December 2023



Accessibility statement
page

March 2024



Maintenance

We keep working to improve the Atlas!

Most relevant improvements

- Accessibility improvements
- Addition of an Accessibility Statement webpage
- Update feedback tool
- Legends and thumbnails updates

Bugs

**No bugs reported from
January 2024!**

All releases are tested and reviewed by our UX experts

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1. Achieved and ongoing technical developments

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- Translations
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2. Planned features


- April 2024 onwards



Planned features

April 2024 onwards

- **My maps V2 implementation**
- **Mobile version**
- **Monitoring tool**

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- Content management
 - Translations
 - Bug fixing and maintenance
 - Minor updates



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