

## **NFDI4Chem, Chemistry Consortium in the NFDI**

Deliverable D1.3.1

The NFDI4Chem portal

TA1 – Management

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## Executive Summary

The NFDI4Chem Website ([www.nfdi4chem.de](http://www.nfdi4chem.de)) is the single point of access for user services and information. It informs about all the services provided by the NFDI4Chem and integrates a Knowledge Base, which contains documentations, resolutions, workarounds and best practices for the NFDI4Chem services and tools. Additionally, the Helpdesk with a ticketing system is available on the Website, in order to support users of Research Data Management applications and help them troubleshoot any problems they face. Other functions of the Website comprise an Event calendar, a News page, Mailinglist subscriptions. The Website is designed with a corporate design and includes the NFDI4Chem logo.

## Project objectives

With this deliverable, the project has reached/this deliverable has contributed to the following objectives:

- a) Key Objective 3: Foster cultural and digital change towards Smart Laboratory Environments by promoting the use of digital tools in all stages of research and promote subsequent RDM at all levels of academia, beginning in undergraduate studies curricula.
- b) Key Objective 4: Engage with the chemistry community in Germany through a wide range of measures to create awareness for, and foster the adoption of, FAIR data management. Initiate processes to integrate RDM and data science into curricula. Offer a wide range of training opportunities for researchers.
- c) Key Objective 6: Provide a legally reliable framework of policies and guidelines for FAIR RDM.

## Detailed report on the deliverable

### Background

NFDI4Chem needs a corporate design to achieve awareness and recognition in the community. As a single point of access for members of the chemistry community a website needed to be created, which provides all relevant information on services and events.

### Description of Work

A preliminary website (based on WordPress) and logo were developed by consortium partners during the proposal stage. During the project phase, the need for a professionally overhauled design was identified. The company '[TimeSpin](#)' was commissioned with the development of a corporate design and a corresponding WordPress theme for the NFDI4Chem website. The new corporate identity and webdesign were launched in Q4 of 2021.

### Technical details:

A comprehensive overview of the technical components and maintenance details of the NFDI4Chem website is as follows.

**Website:** <https://nfdi4chem.de>

**Content Management System (CMS):** NFDI4Chem website, accessible at [nfdi4chem.de](https://nfdi4chem.de), is developed using WordPress, a popular and widely-used content management system. WordPress also offers a user-friendly interface for website administrators to manage and update content without requiring extensive technical knowledge.

**Design and Theme:** The corporate design and branding developed by TimeSpin, incorporating the NFDI4Chem logo and visual elements, are integrated into the WordPress theme. This approach ensures easy maintenance and responsiveness, allowing the website to adapt to various screen sizes and devices, enhancing user experience and accessibility.

**Plugins and Functionality:** WordPress plugins are used to extend the website's functionality beyond the core CMS features. Some common plugins used in the NFDI4Chem WordPress website include those for event management, contact forms, search engine optimization (SEO), security enhancements, backups, and performance optimization.

**Hosting and Server Security:** The NFDI4Chem website is hosted on a secure server infrastructure at Friedrich Schiller University (FSU). To ensure the website is protected from potential threats and vulnerabilities, security measures such as firewalls, password rotations, SSL certificates, and regular security updates are in place.

**Database:** NFDI4Chem website utilises a MySQL database to store and retrieve its content and settings.

**Backup and Disaster Recovery:** Regular backups of the website and its associated database are crucial to protect against potential data loss. Our backup strategies include periodic (daily) automated backups and offsite storage to ensure data availability and facilitate disaster recovery in the event of server failures, accidental deletions, or security breaches.

**Maintenance and Updates:** Regular maintenance and updates of the website, theme and plugins are necessary to ensure optimal performance, security, and

compatibility with the latest web standards. Semi-automated updates and maintenance tasks are implemented to address potential vulnerabilities and keep the website functioning smoothly.

**Cookie Usage and GDPR Compliance:** Cookies are small files stored on a user's device that collect information about their browsing behaviour. The NFDI4Chem website does not utilise cookies. By not using cookies, the website minimises the collection of personal data and protects user privacy. The NFDI4Chem website is designed to comply with the GDPR; wherever relevant users are informed and explicit consent for data processing is requested, transparent and easily accessible privacy notices are provided.

**Analytics:** The NFDI4chem.de website employs Matomo analytics as a privacy-friendly alternative to traditional analytics solutions. Matomo, self-hosted at Friedrich Schiller University (FSU) infrastructure, is an open-source analytics solution that allows the collection of usage statistics while respecting user privacy. Matomo analytics operates in compliance with GDPR guidelines and provides anonymized and aggregated data for analysis, protecting individual user identities.

## Next steps

The content is continuously updated as soon as new services have been developed. Also the event calendar is kept up-to-date and any news related to the work of NFDI4Chem is presented on the website.

## References

not applicable

## Abbreviations

not applicable

## Delivery and schedule

Launch of website and corporate identity: Q4 2021

## Adjustments made

not applicable

## Appendices

Logo with claim:

