

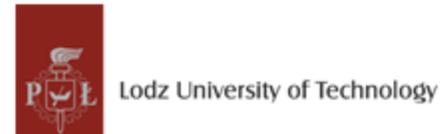
InCoNaDa application – Tool for integration of LCLU information and smart statistics

Piotr Krupa (Eversis), Piotr Pielacha (IGiK)

04.04.2024

Work Package 2 Summary

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Work Package 2 Summary

- **Milestones & Deliverables**

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Work Package 2 Summary

- Milestones & Deliverables
- **Development Process**

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Work Package 2 Summary

- Milestones & Deliverables
- Development Process
- **Technology Stack**

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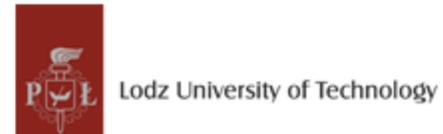
Work Package 2 Summary

- Milestones & Deliverables
- Development Process
- Technology Stack
- **Application Key Features**

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Milestones & Deliverables

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Milestones & Deliverables

- M18 – Software Requirements Specification (SRS)
- M20 – Software Validation Plan (SVP)
- M24 – Software System Design (SSD)
- M30 – Software Manual
- M34 – Software Packages
- M36 – Factory Verification Results

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Software Requirements Specification (SRS)

A Software Requirements Specification (SRS) is a comprehensive document that outlines the detailed requirements for a software system or application. It serves as a blueprint for the development team, guiding them throughout the entire software development lifecycle.

SRS document serves as a contract between the development team and stakeholders, ensuring that everyone has a clear understanding of the software requirements and expectations. It provides a roadmap for the development process, helping to minimize misunderstandings, scope creep, and project delays.



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Software Validation Plan (SVP)

A Software Validation Plan (SVP) is a document that outlines the approach, procedures, and resources required to validate an application. The SVP was created during the planning phase of a software development process and served as a roadmap for the validation activities throughout the project lifecycle.

Software Validation Plan provides a structured approach to validating software, ensuring that it meets the necessary requirements, standards, and user expectations. It helps minimize risks, improve quality, and build confidence in the reliability and effectiveness of the software.

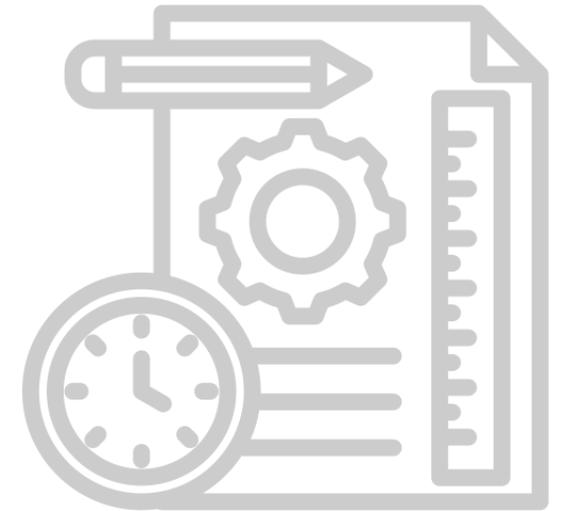


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Software System Design (SSD)

A Software System Design (SSD) is a detailed description of the architecture, design, and implementation of the application. It serves as a blueprint for developers, guiding them through the process of building the software according to the specified requirements. The SSD follows the Software Requirements Specification (SRS) and precedes the actual development phase.

SSD provides a comprehensive roadmap for the development team, ensuring that the software is designed and implemented according to the specified requirements, standards, and best practices. It helps promote consistency, reliability, and maintainability throughout the entire application development lifecycle.



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Software Manual

A Software Manual, also known as a user manual or user guide, is a document that provides instructions, guidance, and information on how to install, configure, and use the application. It serves as a reference for users who are new to the application or need assistance with its features and functionality.

Software Manual aims to make the user experience smooth and efficient by offering clear, concise instructions and explanations.



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Software Packages

A Software Packages refer to pre-packaged sets of software components, libraries, tools, and applications that are bundled together for distribution and installation. These packages include everything needed to install and use the application, including executable files, configuration files, documentation, and dependencies required for proper functioning.



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Factory Verification Results

An Application Factory Verification Results document refer to the outcomes of a application development process, where the application operational version is evaluated to ensure it meets desired standards and specifications.

It provides stakeholders with assurance that the operational version of the application is of high quality, safe, and compliant with relevant regulations.



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Milestones & Deliverables

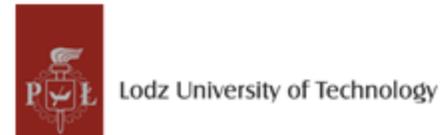
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Development Process

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Development Process

1. Proposal Phase

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Development Process

1. Proposal Phase
2. **Initial Definition Phase**

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Development Process

1. Proposal Phase
2. Initial Definition Phase
3. **Development Phase**

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Development Process

1. Proposal Phase
2. Initial Definition Phase
3. Development Phase
4. **Delivery Phase**

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1. Proposal Phase

- Requirements
- Work Breakdown Structure (WBS)
- Software Requirements
- Initial Software Architecture
- Initial Schedule and Budget

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2. Initial Definition Phase

- Mockups
- Visual Styleguide
- Backlog and Schedule
- Test plan
- Hosting Architecture

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3. Development Phase (Waterfall)

- Development
- Backlog Scheduling
- Test Cases
- Quality Assurance
- Adjustments

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4. Delivery Phase

- Software Packages
- Application Installation
- Documentation Updates
- Factory Verification Results

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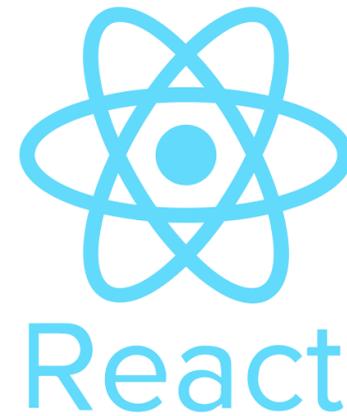
Technology Stack

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Technology Stack

Frontend



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Technology Stack

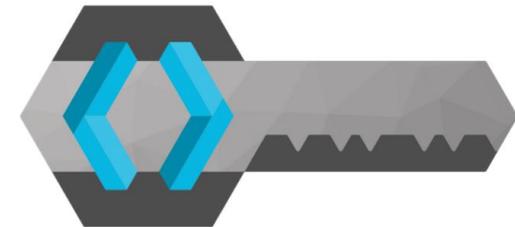
Middleware



Spring
Boot 3



MariaDB



KEYCLOAK

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Technology Stack

Backend



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Norway grants

Technology Stack



Monitoring



Grafana

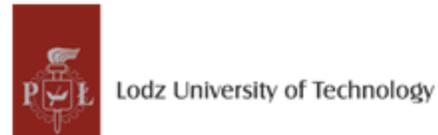


portainer.io



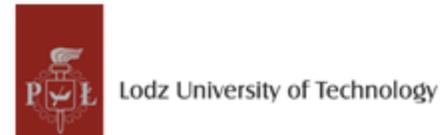
Prometheus

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Application Key Features

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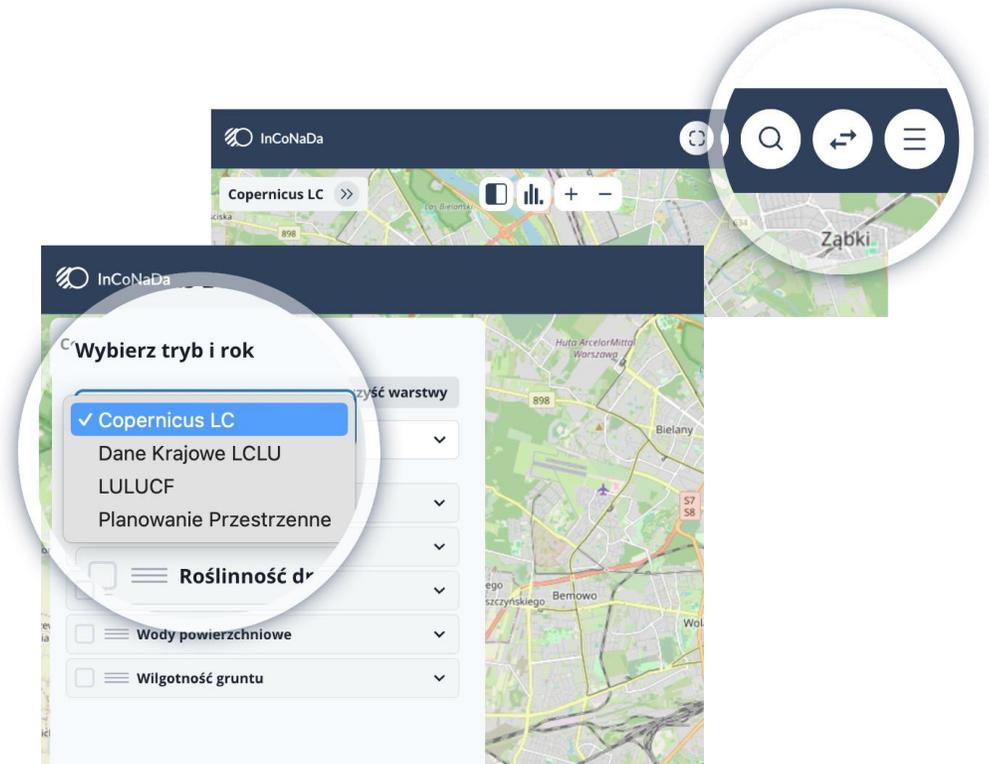
Application Key Features

- Multiple data source panels
- Visualization of the numeric data as map layers
- Interactive reports based on the selected Area of Interest
- PDF / SHP export features
- Gathering user statistics and basic behavioral data

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Application Key Features

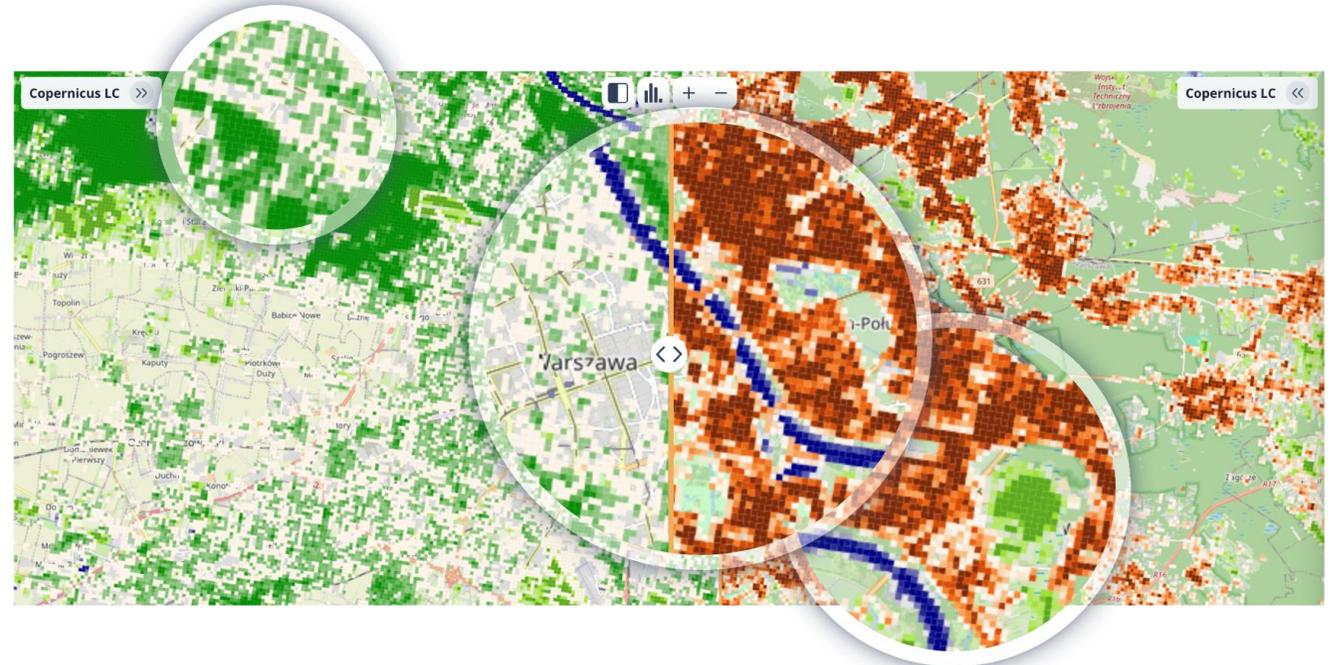
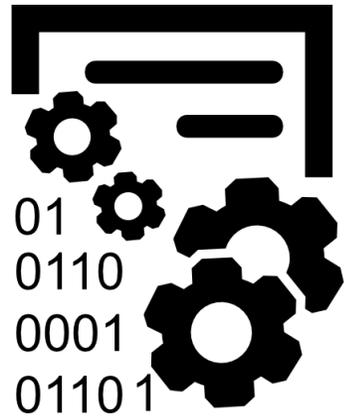
Multiple data source panels



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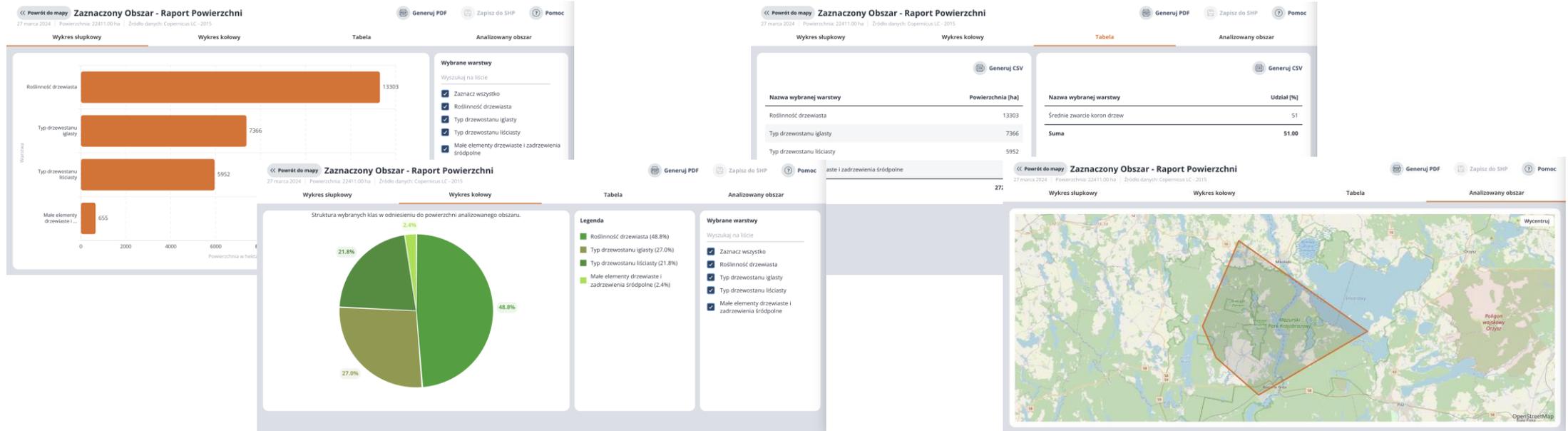
Application Key Features

Visualization of the numeric data as map layers



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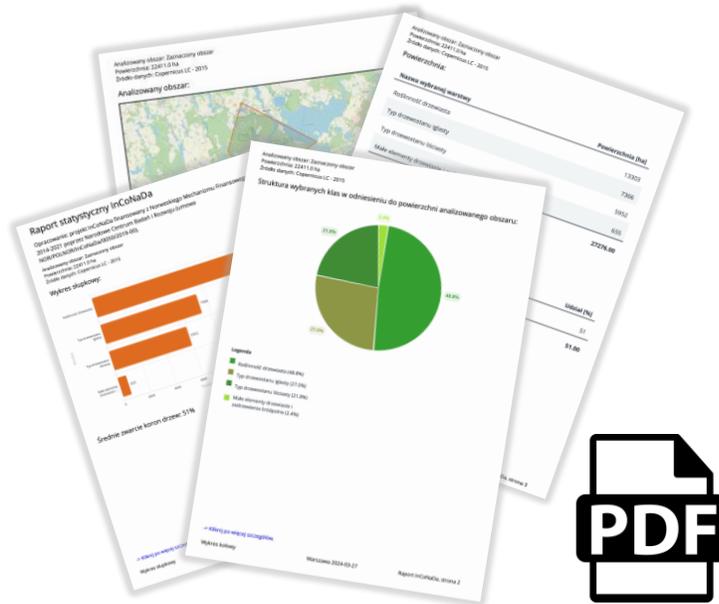
Interactive reports based on the selected Area of Interest



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Application Key Features

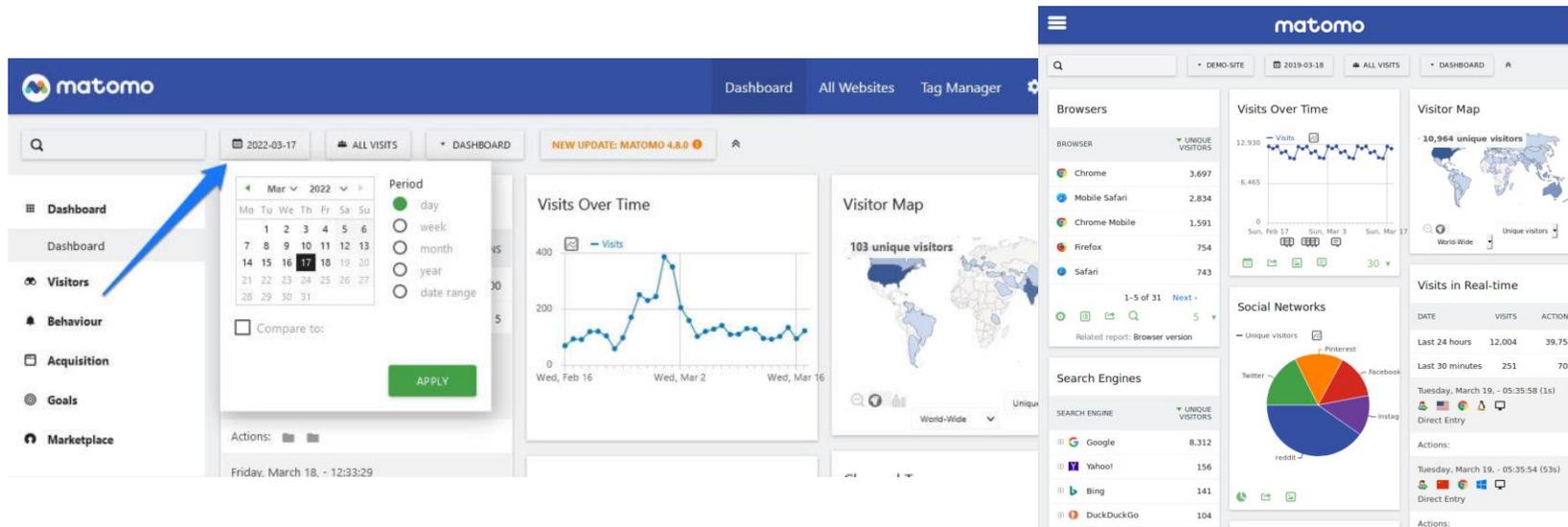
PDF / SHP export features



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Application Key Features

Gathering users statistics and basic behavioral data



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LIVE DEMO

<https://app.inconada.eu>

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