

FOODITY Data Lake

Connecting Providers, Citizens, and Researchers with Ethical Data Sharing

Alessandra Bagnato, Fadwa Rekik, Softeam Docaposte
[alessandra.bagnato, fadwa.rekik]@docaposte.fr

Purpose

The **FOODITY Data Lake** is designed as a **central storage and analysis hub** for extensive datasets in the domains of food and nutrition. It is **not a generic repository**, but a **purpose-built platform** created to address the specific challenges of **food, nutrition, and sustainability**. Unlike standard data lakes, FOODITY integrates: **Ethical data governance and Strict compliance with the General Data Protection Regulation (GDPR)**

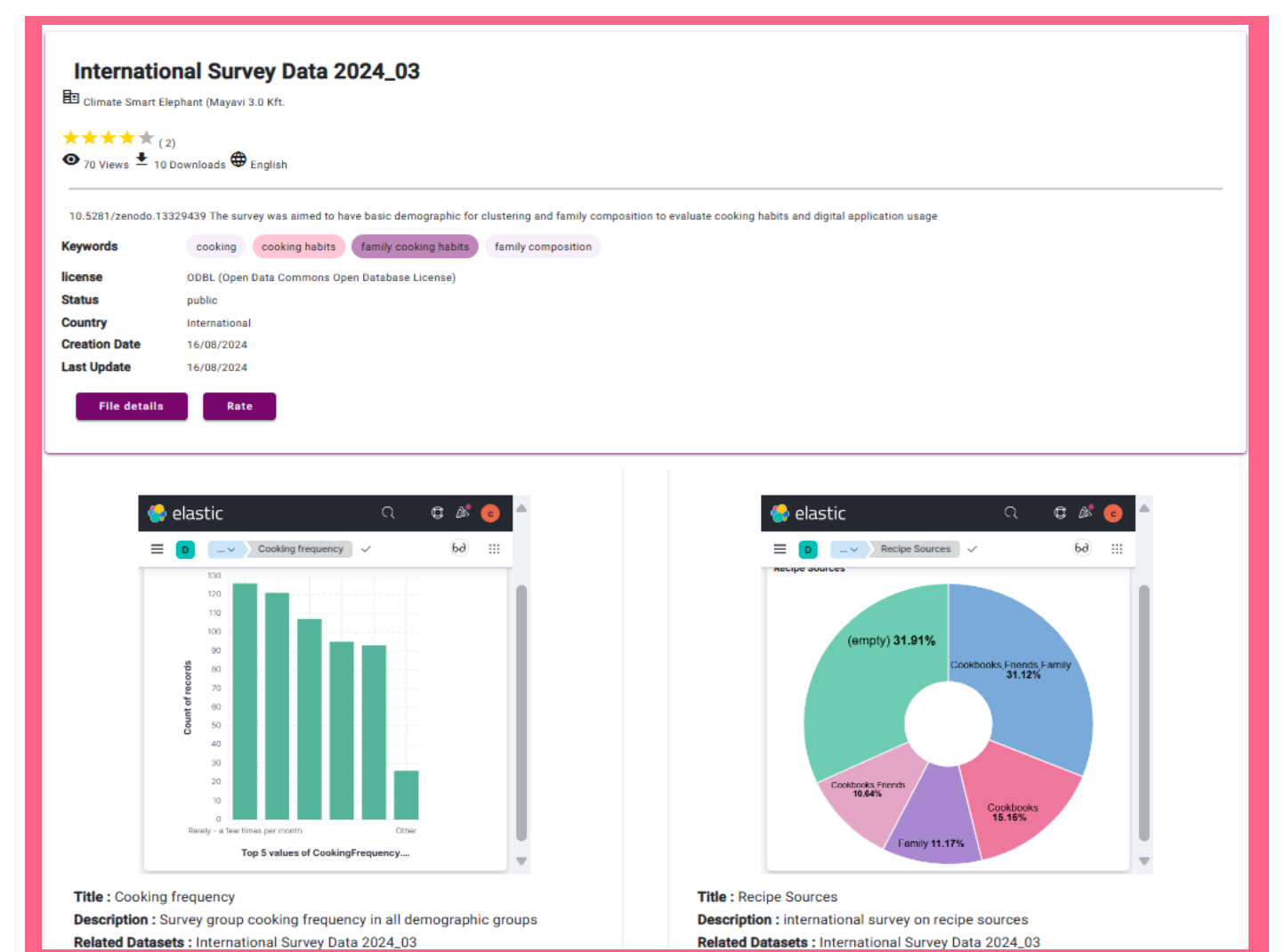
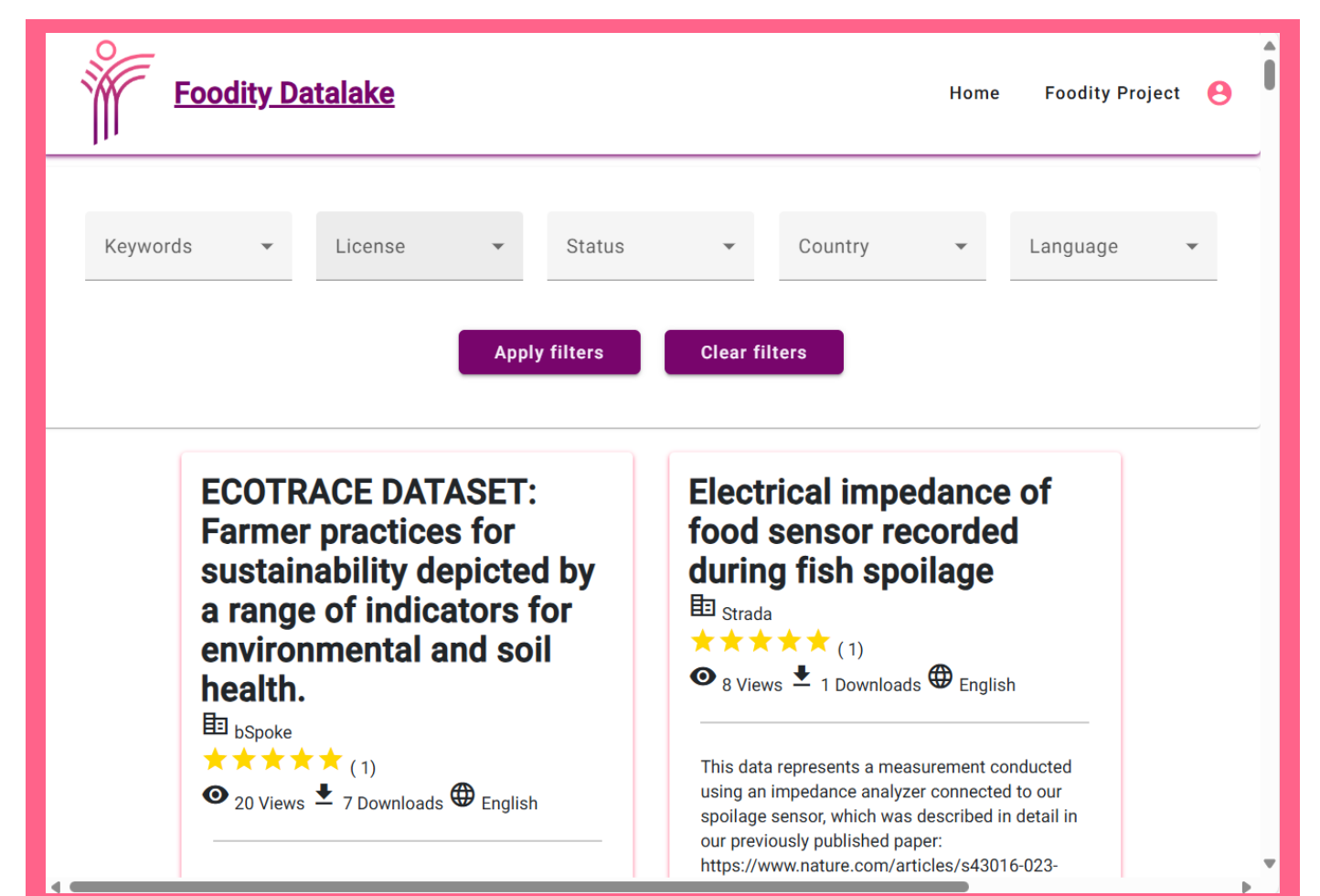
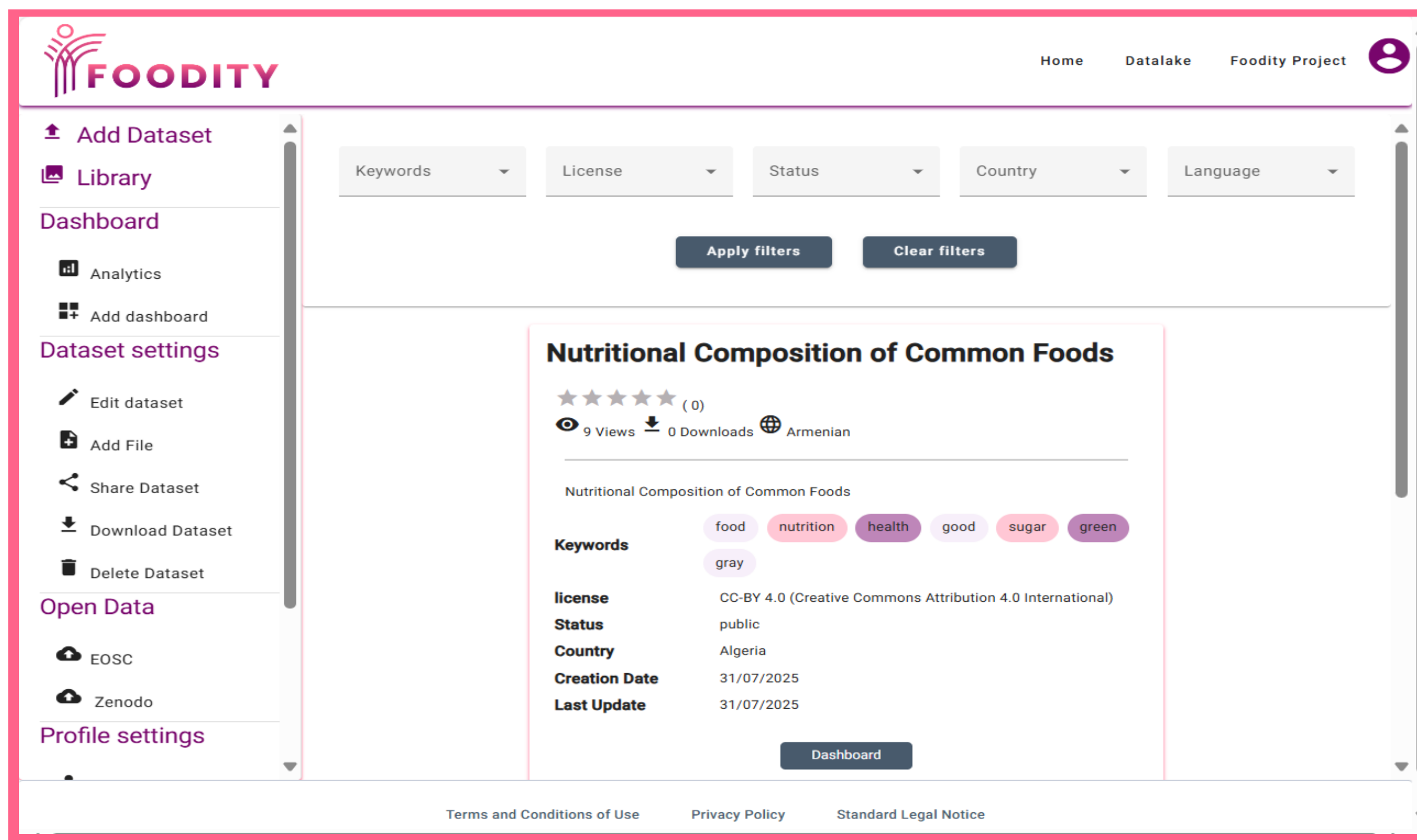
The platform empowers diverse stakeholders to explore, process, and extract insights from multiple data sources through a **scalable and reliable solution** for publishing and exploring data. **Who benefits?**

- **Citizens** → Informed, healthier choices and greater transparency on food products.
- **Entrepreneurs & Producers** → Access to market insights and opportunities for innovation.
- **Researchers** → High-quality datasets supporting studies on nutrition, cancer, obesity, and other health-related topics.

Accessing the FOODITY Data Lake

From the official FOODITY website, the Data Lake menu acts as a central entry point for all users. When selecting Data Lake on the main site (foodity.eu/datalake), visitors are redirected according to their role into one of the two Portals:

- **Data Provider Portal** (datap.provider.foodity.eu), where they can upload datasets, manage metadata, and create dashboards.
- **Citizen Portal** (datalake.foodity.eu), which offers open access to public datasets, dashboards, and insights.



Why it Matters?

The FOODITY Data Lake is more than a technical platform – it is a **purpose-driven** infrastructure designed to create value for society while respecting **ethical principles**:

- ✓ **GDPR compliance**: Only anonymised data is allowed, protecting individuals' privacy.
- ✓ **Transparency and trust**: Clear governance and consent management (via DataU) ensure data is shared responsibly.
- ✓ **Sustainability focus**: Prioritises data that contributes to healthier lives and a greener planet.



From Data to Insights

Empowering Users Through Insights

Dashboards are at the heart of the FOODITY Data Lake, transforming complex and diverse datasets into clear, actionable insights. Through these interactive tools, stakeholders can:

- ✓ **Make data-driven decisions** without requiring advanced technical expertise.
- ✓ **Communicate results effectively** to policymakers, businesses, and citizens alike.

