

Integration, Calculation, and Visualisation of CO2 Emissions Data

Student : Daniel Coimbra
Professor : Jean-Paul Calbimonte

Summary

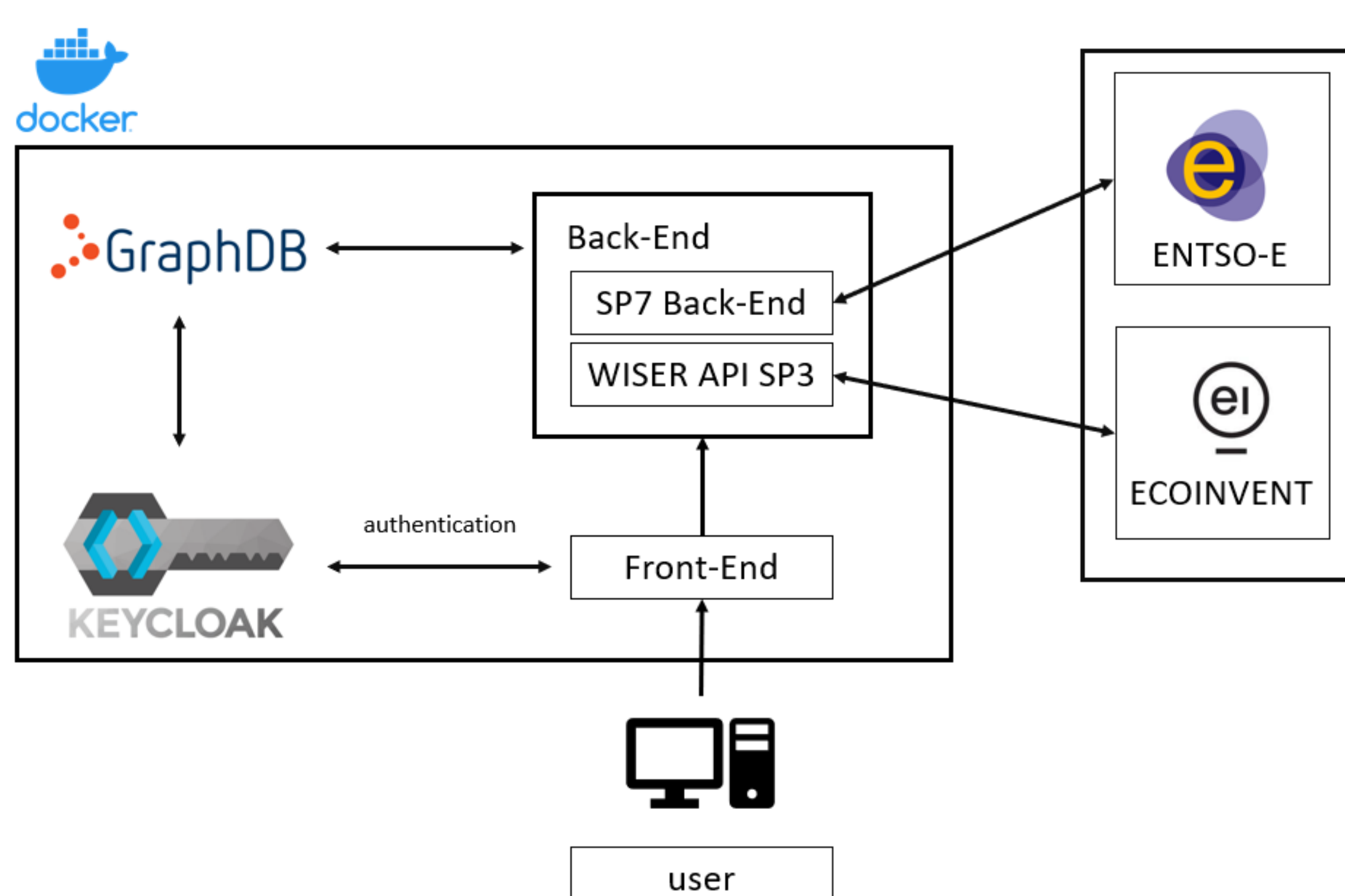
1. Analyse of the current solutions in order to position the WISER project
2. Meeting with the Product Owner to understand their requirements and needs
3. Prototype development

Introduction

- The **decarbonization** goals for companies represent a real challenge in calculation of greenhouse gas emissions
- Individuals **lacking expertise** in sustainability may find **difficult** to perform these **calculations**
- Most of the **current programs**:
 - Work like **black boxes**
 - Lack of transparency
 - Difficult to trace their calculations
- The **goal is to develop a web tool that is**:
 - Transparent
 - Traceable
 - User-Friendly

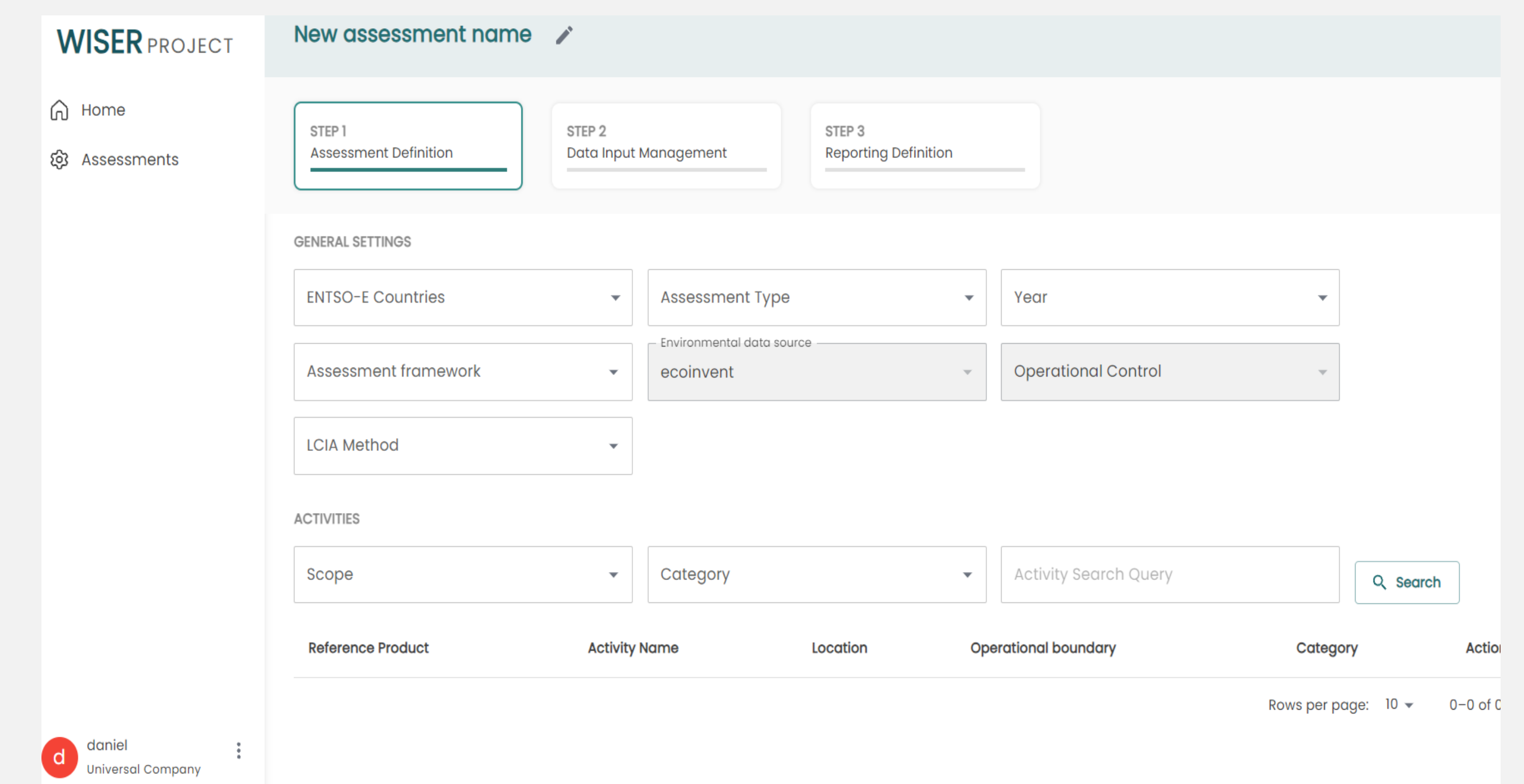
Methods

- State of the art
- Analyse and selection of the appropriate data sets
- Analyse and selection of calculation algorithm
- Selection of the architecture and technologies for the project
- Implementation and development of the prototype

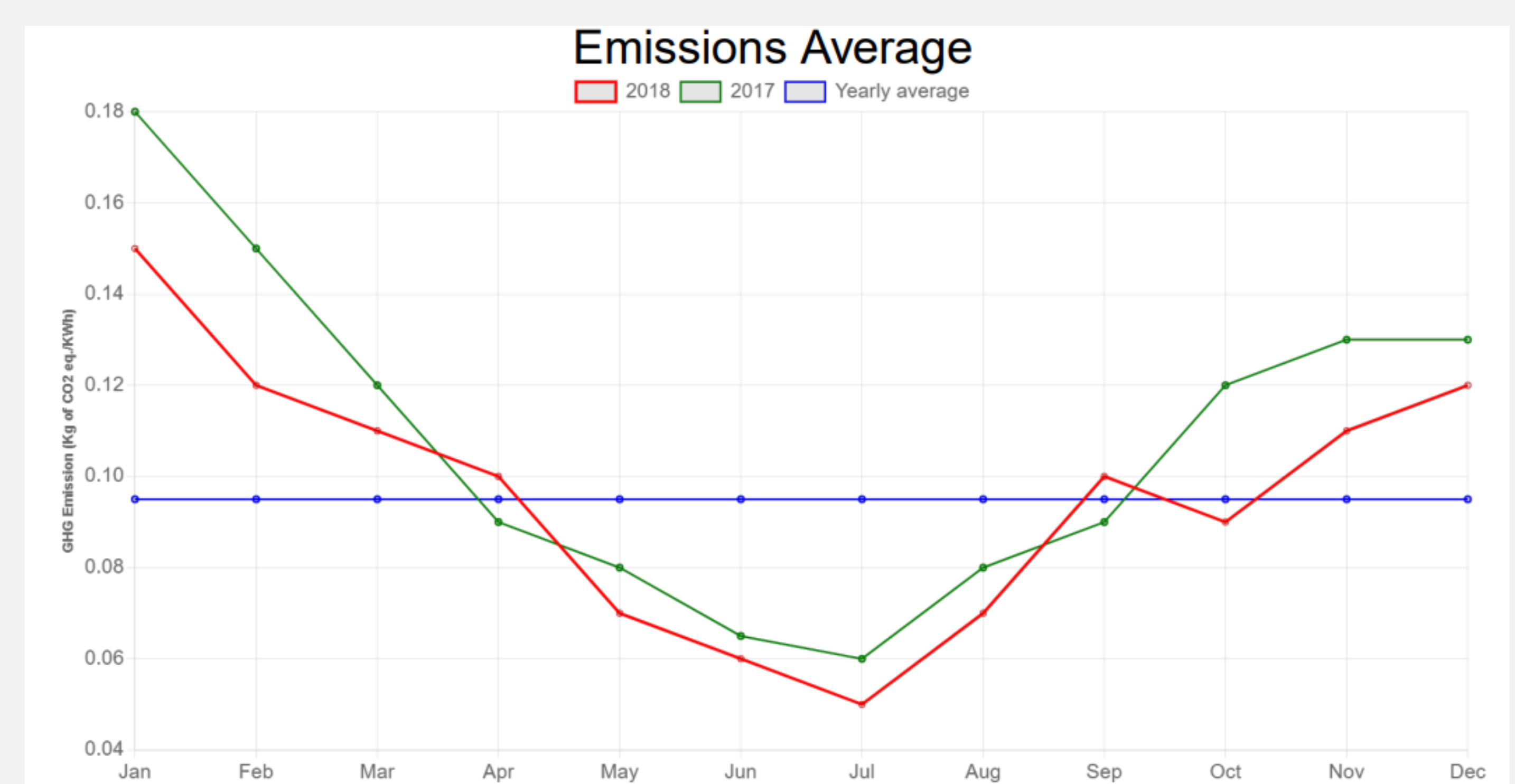


Results

- An intuitive and user-friendly solution available for everyone



- Calculation results presented through an intuitive dashboard, helping users to analyze their emissions and make well-informed decisions



Conclusion

- The application has an intuitive design which helps users understand the different stages of the assessment
- By implementing traceable, transparent technologies and data sources, the web application offers reliable results