

# Food Nutrition Security Cloud for Data Standardisation & Interoperability Changes

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## INTRODUCTION

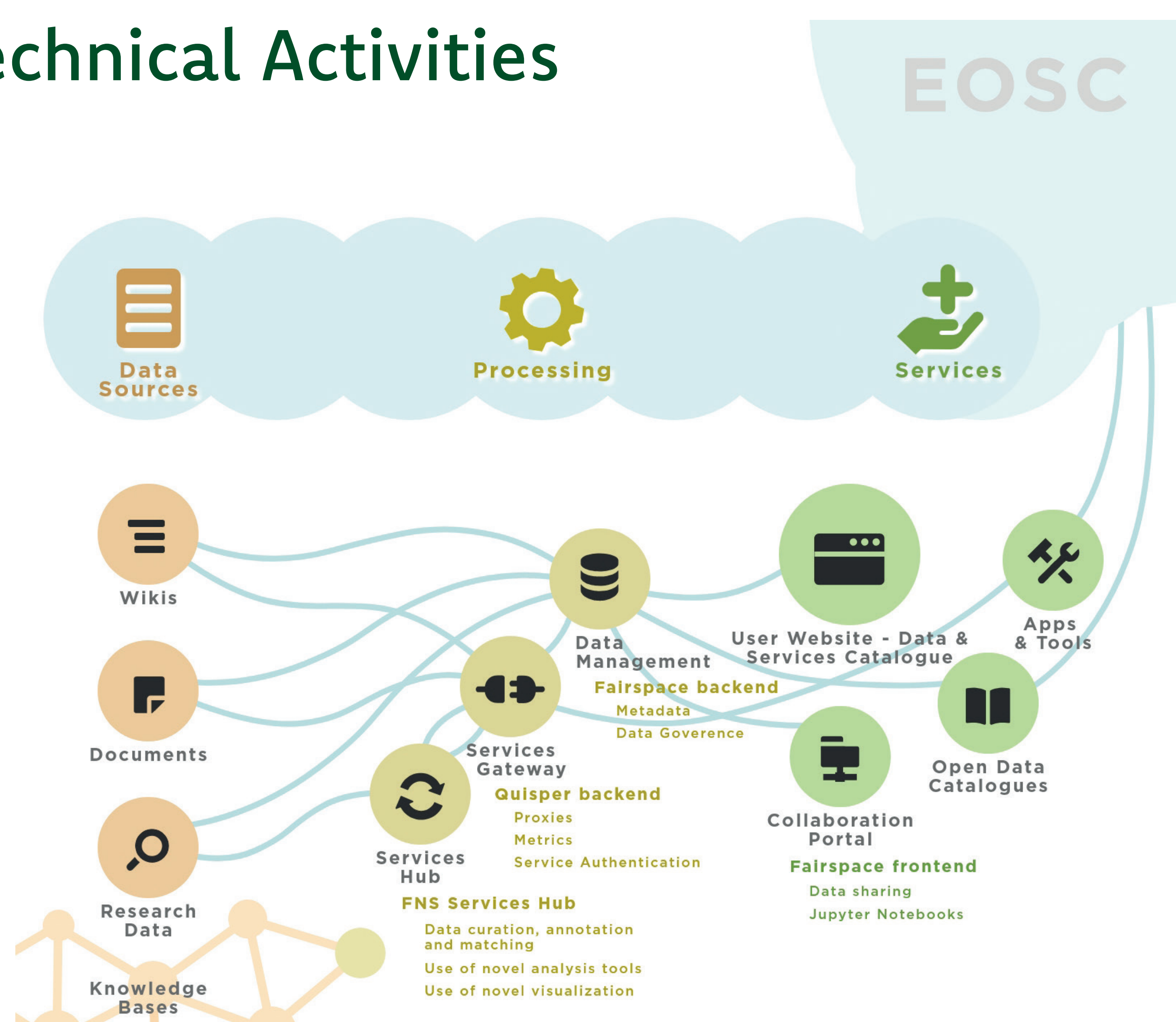
Food and Nutrition Security Cloud (FNS-Cloud) started on 1<sup>st</sup> October 2019. This four-year EU-funded project aims to make food- and nutrition-related data FAIRer (findable, accessible, interoperable and re-useable).

## OBJECTIVES

- Reduce fragmentation of existing governance models
- Stimulate collaboration amongst FNS-domain researchers and ICT data specialists
- Support a food systems approach to FNS research and innovation, focusing on use cases that address researchers' needs, especially in data intensive fields
- Build on the progress of past projects, integrate existing communities, and make use of learning from parallel thematic initiatives developed under Horizon 2020
- Deploy global standards, advancing best practices for governance and financing

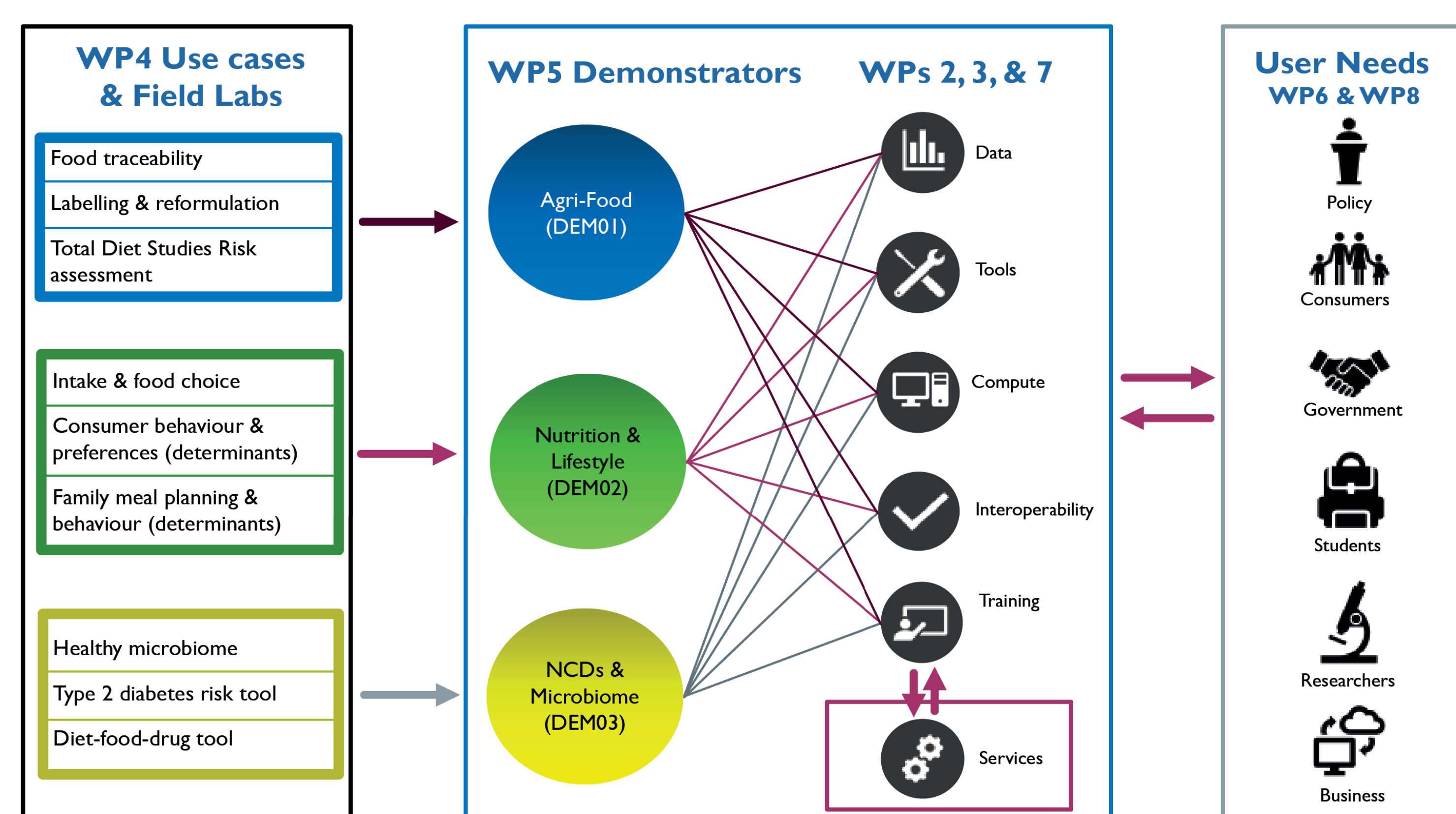
## IMPLEMENTATION

### Technical Activities



- Easy access to data via advanced user interfaces (for humans) and APIs (for machines)
- EOSC-compatible services for data standardisation and interoperability and knowledge extraction and data reuse

### Evaluation



Nine use cases are designed to showcase the applicability of FNS-Cloud data, knowledge, tools, and services in the domains of agri-food, diet and health (e.g. human microbiomes), nutrition, lifestyle and non-communicable diseases.

### Governance, business & finance

- FNS-Cloud governance, business, and finance model(s) will be based on existing and emerging best practice
- Open science and open innovation culture will be at the core of these frameworks as well as education and training.

## DISCUSSION

FNS-Cloud fills gaps in the current FNS landscape, since most food-, nutrition- and health-related research infrastructures focus on clinical, molecular or biological sciences.