



# Final practice abstract WP5: smart data systems

The complexity of food supply chains and food processes management can be more easily addressed with decision support tools that can integrate quality preservation, energy consumption, and environmental impact.

The ENOUGH project developed smart data systems (SDS), introducing a new multi-sided and multipart business application and framework that can provide a continuous improvement force to a vast set of food supply chains. The SDS is a business process that comprehends a platform, specifications, a set of digital tools and applications. Taken altogether, the work demonstrated the possibility of a paradigm shift in the use and conception of information technologies. A space and a pathway have been created that facilitate the achievement of the objectives proposed by the context of Industry 5.0, both at the European and global level, so that the reality of practice and research for improved sustainability of food supply chains can be advanced through inclusiveness, openness, participation, and innovation.

The lessons learnt that can be transferred to industry are 1) Try to address the complexity of the food supply chain through enhanced collaboration along the supply chain, 2) Keep in mind that being into the Industry 5.0 framework means that the human is increasingly at the centre of everything, and that all the dimensions of sustainability must be enforced at once, 3) Consider adopting technologies coming from the continuously evolving framework of the Blockchain - a key component and opportunity for the digital transformation and for the sustainable introduction and control of digital technologies, 4) Think systemically and holistically, apply systems engineering and consider the whole and parts of a system as a connected entity.



<sup>1</sup>FAOSTAT Analytical Brief 50: GHG emissions from agrifood systems: Global, regional and country trends.

