

Expected results and impact

- Provide an opportunity for the improvement of future access to the best **research infrastructures** (RIs) and improve the **capacities of the RIs**
- Support the development of new digital services by reinforcing **FAIR data sharing** among the pig research community
- Improve the availability and collaborative use of **non-invasive research tools** and methods
- Develop **guidelines and standard procedures** for best practices in the management and record of standard traits in pig research facilities
- Develop **model algorithms** that can be used as an early warning system for **health and welfare** issues and that can be implemented in systems of precision livestock management
- Identify management and feeding practices that increase the **efficiency of nutrient use** and reduce nutrient excretion
- Improve the **cooperation and sharing of knowledge** between scientists, the European pig farming industry and the citizens
- Develop innovative ways to make **pig farming industry** more **sustainable** and acceptable for the public
- Understand **citizens' thoughts** on pig farming and their concerns on animal welfare

Partners

PIGWEB gathers 16 Partners from 10 European countries; 11 European research institutes and higher education organisations, 2 dissemination partners, 2 SME's and 1 management partner.



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PIGWEB AT A GLANCE

Project coordinator:	Jaap van Milgen (INRAE)
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Partners from 10 European countries:	Belgium, Denmark, Finland, France, Germany, Hungary, Spain, Sweden, Switzerland, The Netherlands
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The European project PIGWEB is funded under the EU Horizon 2020 programme and aims to strengthen the pig research community by providing and facilitating access to research infrastructures, by reinforcing a culture of cooperation between the research community and industrial and societal stakeholders, and by improving and integrating the services provided by the research infrastructures.

Concept

The ambition of the European Commission is to make Europe the world's first climate-neutral continent by 2050. The strategy is to protect, conserve, and enhance the environment and protect citizens' health and well-being from environment-related risks and impacts.

PIGWEB will gather the key infrastructures on pig research in Europe and the consortium provides the technical and scientific skills on key disciplines that are essential to assess and develop pig production as an element in the sustainable development of food production, in line with the Green Deal approach.

Objectives

Transnational access (TNA)

- Ensures easy and transparent access to 28 experimental pig research institutes and associated laboratories in 9 different countries

Networking activities (NA)

- Create a community of pig research institutes
- Harmonise protocols, best practices, and promote the use of standards to ensure high levels of expertise and ethics
- Organise the collection, management and accessibility of data generated by the project
- Provide graduate and post-graduate training opportunities to early-career scientists

Joint Research Activities (JRA)

- Develop non- or minimally invasive methods for digestion studies and blood sampling
- Develop novel methods, tools, and technologies that provide indicators of welfare, behaviour, and body composition.
- Develop a research toolbox to phenotype pigs for traits relevant for sustainable pig production

