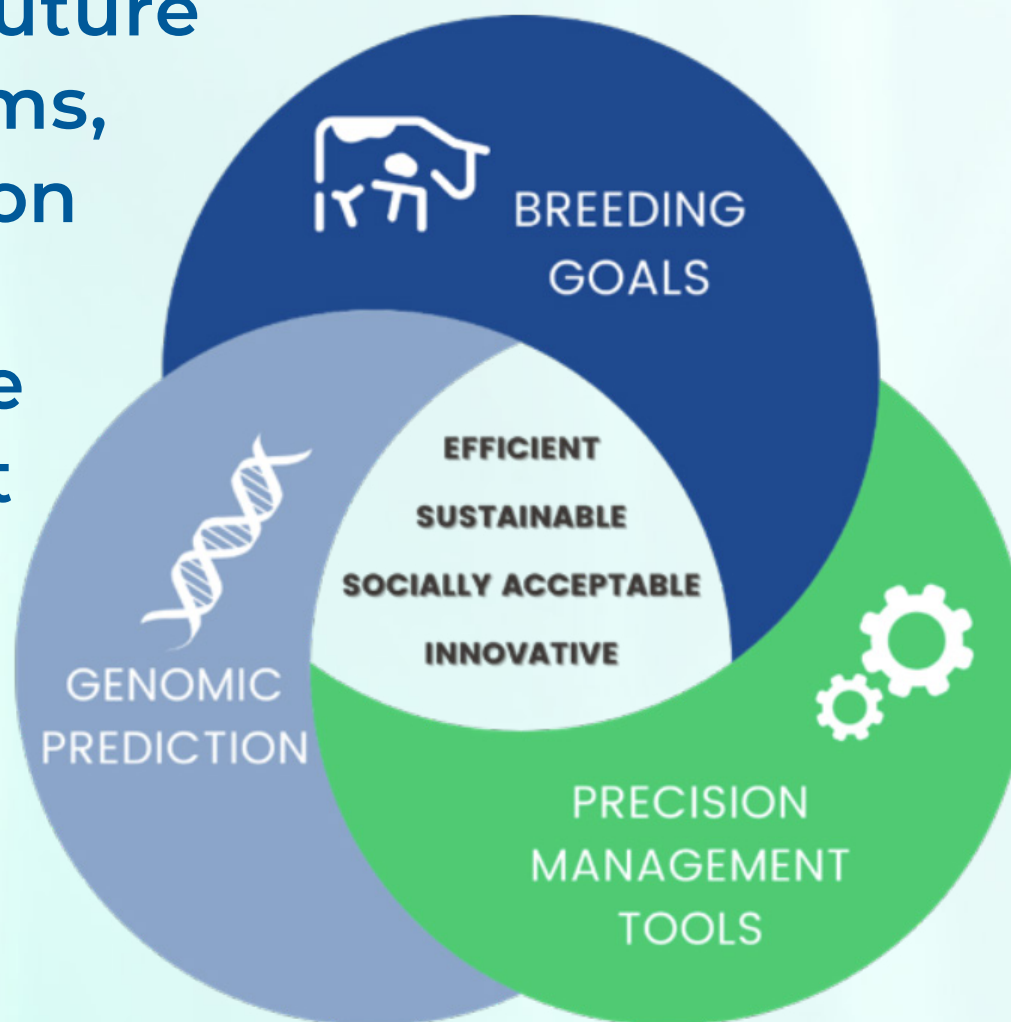


RUMiGen

TOWARDS IMPROVEMENT OF RUMINANT BREEDING THROUGH GENOMIC AND EPIGENOMIC APPROACHES

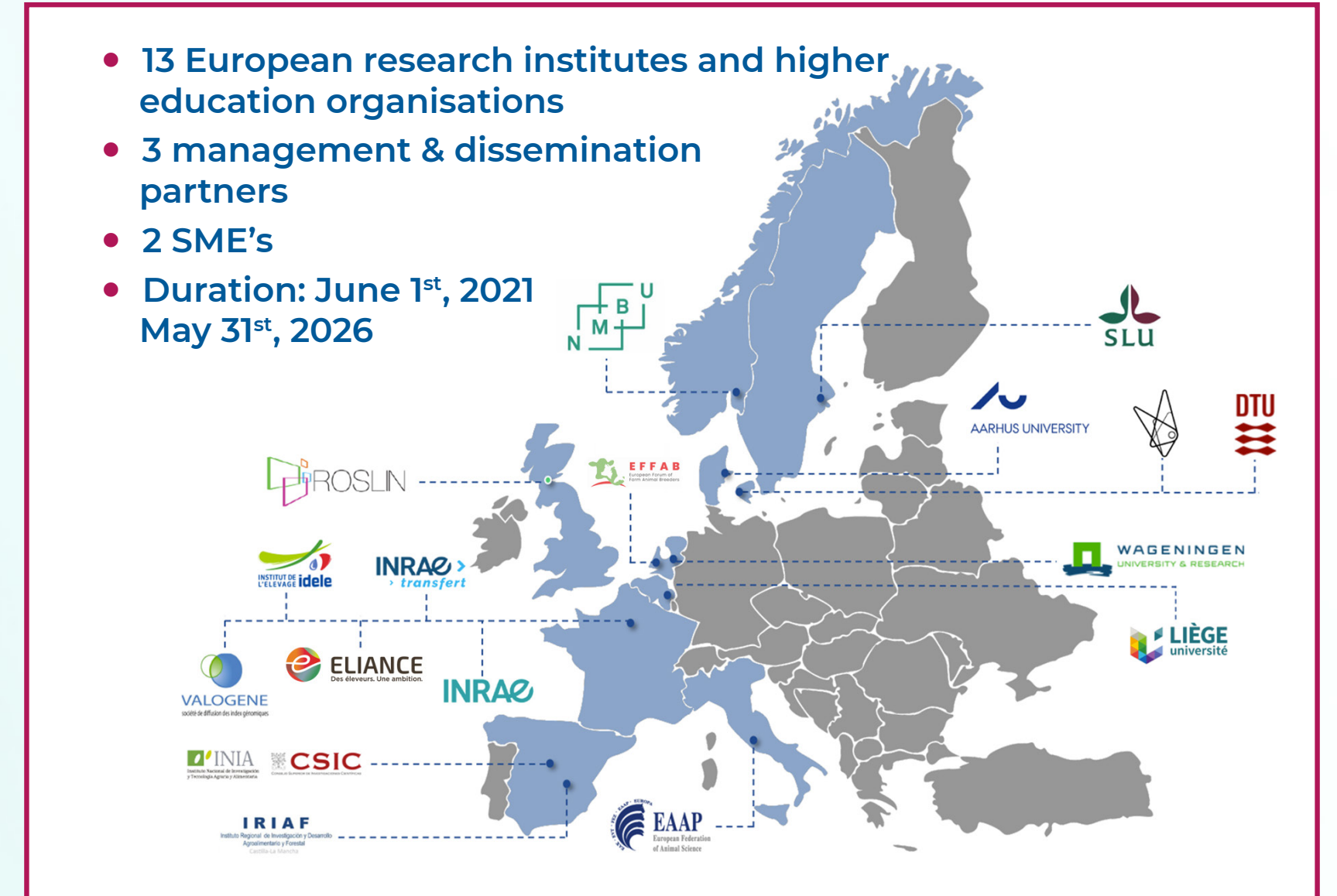
Concept

RUMIGEN aims to provide future breeding goals and programs, innovative genomic prediction methods and precision management tools to optimise long-term genetic improvement and maintenance of genetic diversity. Citizen acceptance and social reception are pivotal in the development of these methods and tools.



RUMIGEN at a glance: Coordinator: Eric Pailhoux (INRAE)

- 13 European research institutes and higher education organisations
- 3 management & dissemination partners
- 2 SME's
- Duration: June 1st, 2021
May 31st, 2026



Expected impacts

- Contribute to more ethical and socially acceptable breeding objectives that care for eco-systemic consequences and animal welfare
- Provide a new set of phenotypes (adaptation to heat stress, sensitivity to environmental stress) as well as key molecular biomarkers useful to characterise the cattle epigenome
- Provide practical solutions for genomic selection in small and local breeds
- Contribute to the diversity and sustainability of livestock production

Partners



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The RUMIGEN project has received funding from the European Union's Horizon 2020 research and innovation program under Grant Agreement No 101000226.

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