

SmartCow

an integrated infrastructure for increased research capability and innovation in the European cattle sector

SmartCow final conference: Introduction



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement n°730924

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Concept and objectives of SmartCow

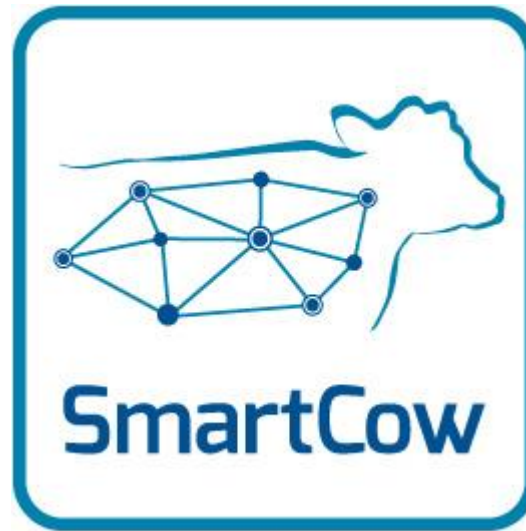
Better coordination of research infrastructures (RIs) in the cattle sector is necessary to develop efficient approaches to address the challenges in cattle breeding and research

Challenges targeted

Food security
Efficient use of biomass

Environment
Emissions (N, C)

Society
Animal welfare & health



Aims of SmartCow

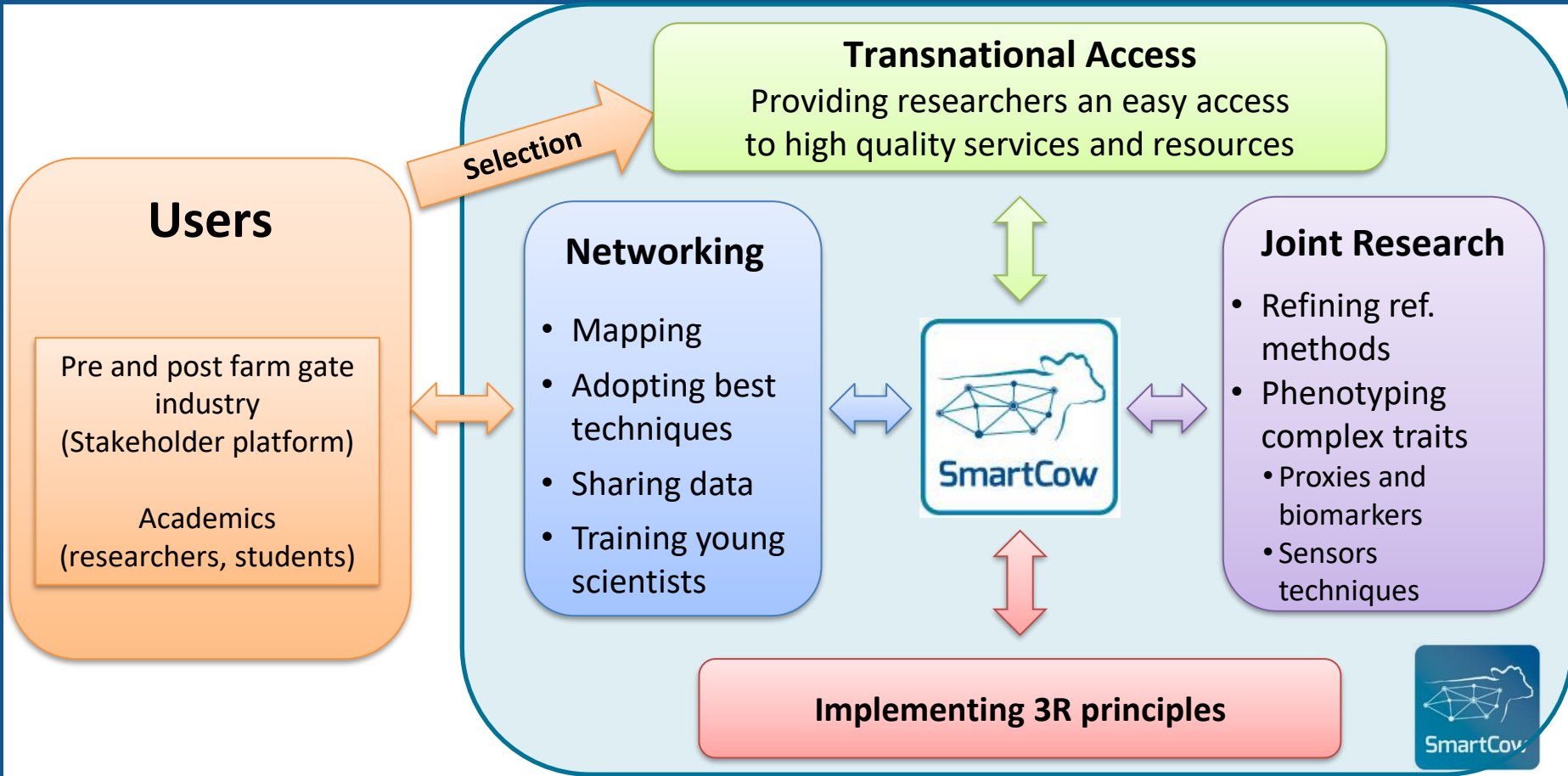
Improve quality and ethics of research practices

Give access to the most advanced research tools

Increase phenotyping capabilities



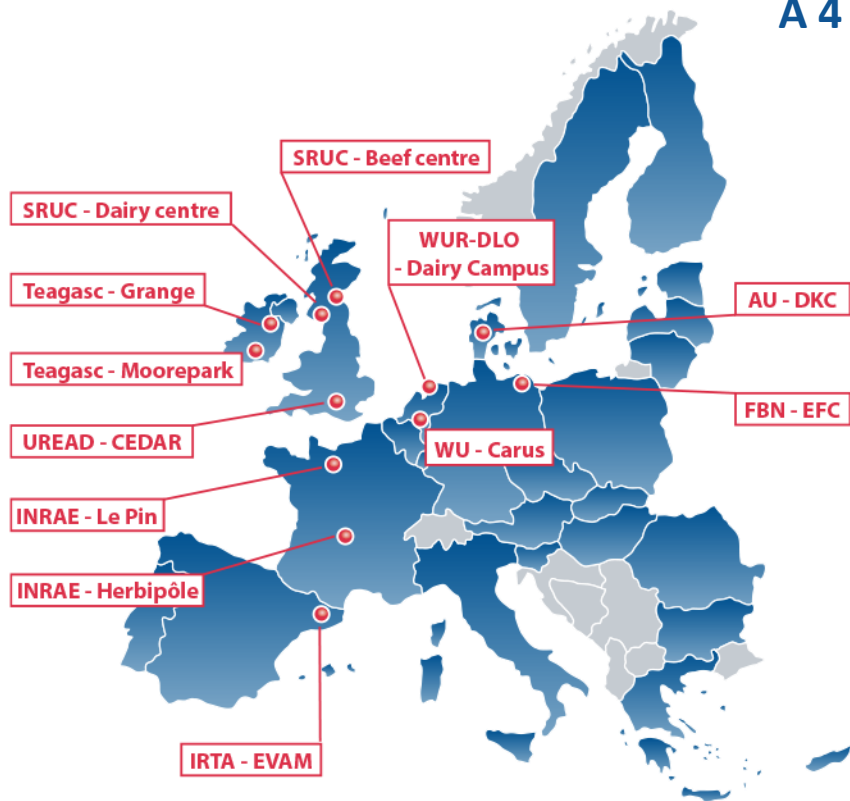
How?



14 partners across Europe

A 4 years project (2018 – 2022) with a 5 M€ Budget

www.smartcow.eu



9 partners that bring RIs

- 11 major RIs distributed in 7 EU countries
- 12 locations, which include 18 installations
- 2500 dairy and 750 beef cows

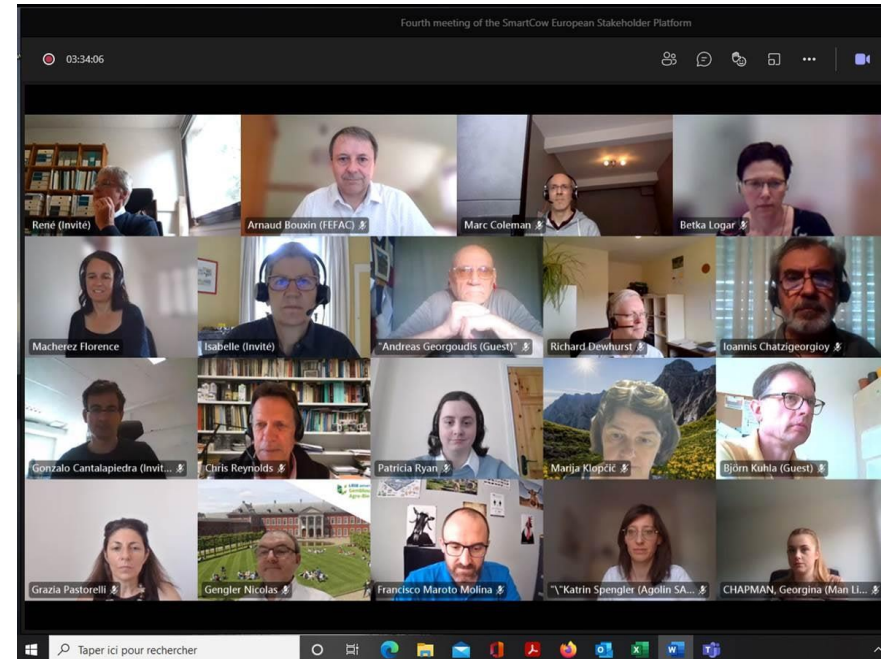
5 other partners for specific skills

- Agrimetrics (UK): Cloud based data-platform
- CRA-W (BE): NIR and MIR techniques for phenotyping
- Idele (FR) and EAAP (IT): Dissemination and stakeholders
- INRAE Transfert (FR): Project management



Meetings are essential for European projects!

2018, 2019...everything went well,
2020 and 2021 were different!



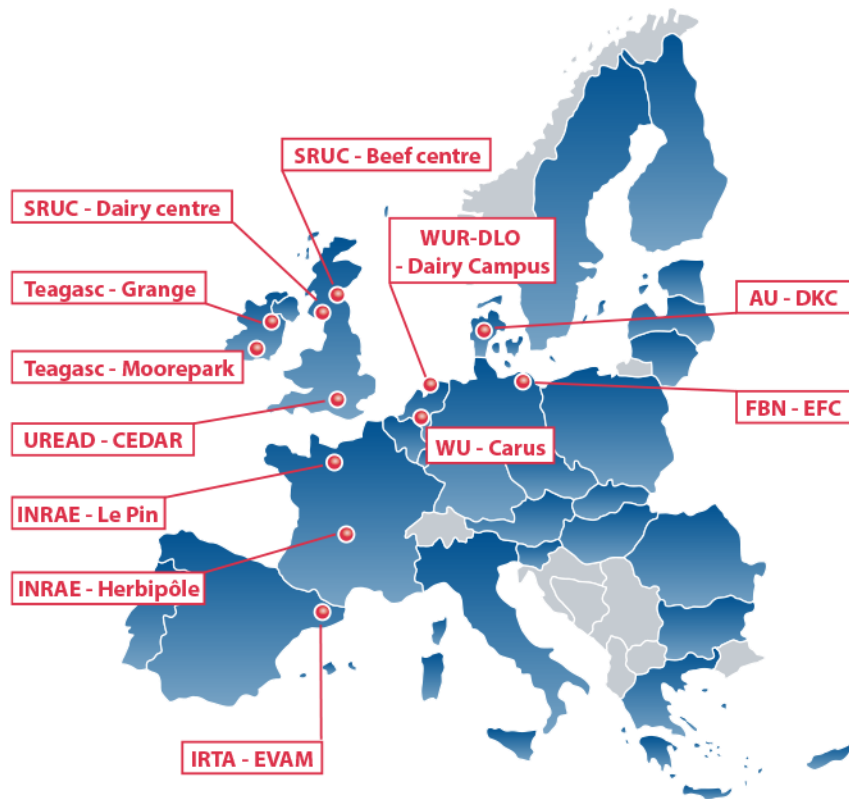
SmartCow final conference

- **Share and discuss the main outcomes of the project** (*in the morning*)
 - Networking of cattle infrastructures
 - Improving quality and ethics of experimental approaches and methods
 - Advances in phenotyping capabilities
 - Transnational access and feedback of users
- **Prepare the future of SmartCow** (*in the afternoon*)
 - EC expectations for research infrastructures and livestock sector
 - Academic and industry needs
 - Future plans of SmartCow consortium

➔ *Enjoy the conference!*



Thank you for your attention



First-class Cattle Research Infrastructures (RIs) across Europe:

- 11 major RIs distributed in 7 EU countries
- 12 locations, which include 18 installations
- 2500 dairy and 1000 beef cows

- **Networking of RIs** to inventorize resources, harmonize procedures, and share data
- **Joint research activities** to improve experimental methods and phenotyping capability
- **Interaction with stakeholders** to stay in line with industry needs and improve dissemination

<http://www.smartcow.eu/stakeholders/>

TRAINING PROGRAM

For Scientists, Technicians, Stakeholders, PhD students

- Face-to-face training courses
- Free web-conferences
- One-day study tours in 4 different countries

<http://www.smartcow.eu/resources/training/>

TRANSNATIONAL ACCESS CALLS

Offers external users (academic and industry) free access to SmartCow RIs

- 30 projects during the 4 years of SmartCow
- Access to around 10,000 cow-weeks

<http://www.smartcow.eu/calls/>



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WIFI connection and Klaxoon link

- User name : guest
- Password : university
- <https://app.klaxoon.com/join/4F7Z6UH>

