



SENSTARA

Sensor and Standards Development for Research Activities.
Working Group



SENSTARA: Advancing Sensor-Based Indicators and Modeling of Animal Resilience, Health, and Welfare in Precision Livestock Farming'

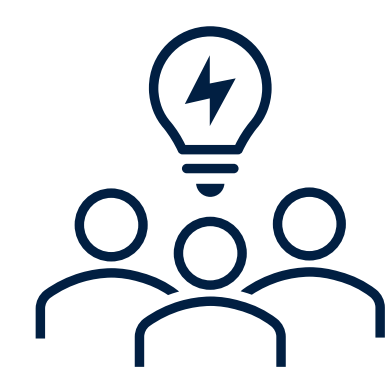
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The SENSTARA Working Group aims to establish communications on methodologies, Standard Operating Procedures (SOPs), and activities for research data standards with PLF sensors, models, and applications. Established under the European Federation of Animal Science (EAAP), we bridge the gap between PLF technologies, ethology, and welfare science.

What is SENSTARA?

An international Working Group within the EAAP PLF Study Commission that brings together researchers across disciplines, technologists, and stakeholders to advance and promote Sensor and Algorithmic standards (4-year mandate), through:



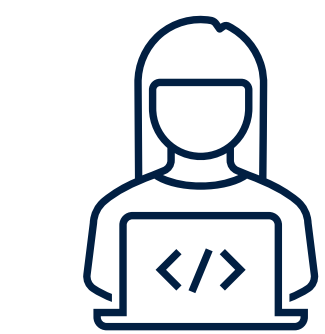
COMMUNICATION

Publications, webinars, sessions, and working groups to share knowledge and best practices



PROMOTION

Translational/ documentation of welfare definitions across-species, and relevant tools for accurate and repeatable insights



DEVELOPMENT

Foster a species-agnostic approach to PLF tool and methodologies, and develop SOPs



CONNECTION

Discuss, convene, invite experts, and establish long-term capacity for new data systems, models, techniques, and tools

Why It Matters?

Getting researchers thinking about the transition from animal to sensor and handling data to communicate and convene on standards for meaningful and biologically relevant insight from animals



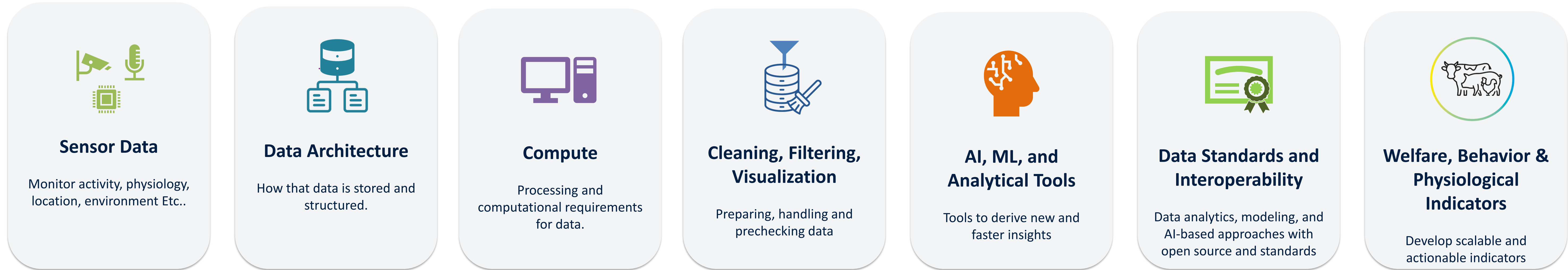
Background and rationale

- Livestock systems are facing challenges: climate change, intensification, and growing societal demands for animal welfare, environmental sustainability, and transparency.
- Sensor-based technologies and PLF tools provide unprecedented opportunities to continuously monitor animals, enabling early detection of stress, health disorders, and resilience responses.
- Translation of sensor data into robust, biologically meaningful, and actionable indicators remains a major challenge.
- Communicating data, architectures, modeling, algorithms, methodologies, and applications.



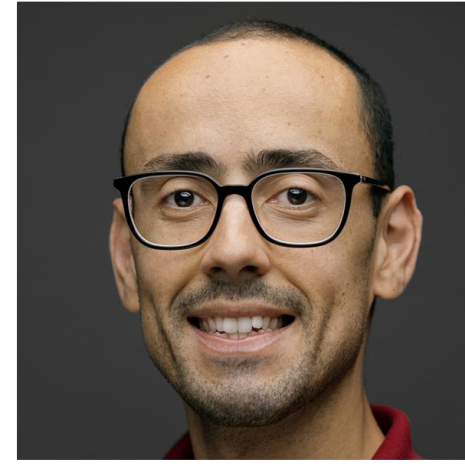
Fig 2: How SENSTARA sits in the EAAP ecosystem and the scope of the 4-year mandate.

Technological & Scientific Scope



Team

From Top left: Daniel Foy (Chair), Borbala Foris (Co-Chair), Jean-Marc Gautier (Co-Chair), Xabier Díaz de Otálora (Secretary), Members: Claire Morgan-Davies, Laura Dale, Per Peetz Nielsen, Guilherme Amorim Franchi



Join the SENSTARA Community

- Researchers and PhD students
- Technology developers and industry partners
- Stakeholders involved in animal production, welfare, and sustainability
- EAAP members interested in sensor-based livestock monitoring and PLF
- Regional research project and groups



Website



LinkedIn



Mail list

