SEBASTIEN

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SEBASTIEN

Smarter livEstock Breeding through Advanced Services Tailoring Innovative and multi-sourcE data to users' Needs.

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- In Italy, the livestock sector accounts for 36% of the total agricultural production (hundreds of DOP e IGP products).

- Climate change effects are impacting more and more the livestock management

SEBASTIEN will develop a Decision Support System (DSS) by leveraging existing and new datasets including geospatial, meteorological, earth observational and environmental along with sensor data. The DSS will be represented by four web and mobile apps:

Coping with environmental stressors for breeds to support livestock farming towards breed adaptation to environmental conditions and production needs.

Intensive farming risk management under climate extremes to alert about approaching or projected dangerous environmental circumstances for cattle.

Extensive farming management and feed availability based on indicators/indices about the phenological stage and greening of the naturally vegetated or managed areas used to feed livestock heads when conducted outdoors.

Livestock farming under risks from combined abiotic and biotic factors to provide updated risk maps of parasites and diseases spread.

CINECA

NEATEC

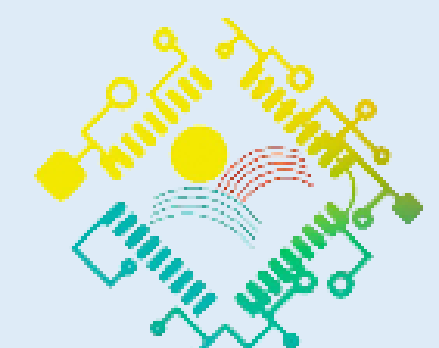UNIVERSITÀ DEGLI STUDI DELLA TUSCIA
DIPARTIMENTO PER LA INNOVAZIONE NEI SISTEMI BIOLOGICI, AGROALIMENTARI E FORESTALI

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