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**Sialleva: A multi-species software to optimise in farm data collection, extension service and herd management**

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The Si@lIEvA software, developed by A.I.A., supports, at farm level, performance recording, herd management and extension service in Italy. The software is connected to the central database (named Siall) through .NET/WCF technology and respects SOAP 1.1 standard (encoding Text/XML). Sialleva queries the SiAll central database both during data entry and when returning processed information.

Basic level authentication and SSL certificate protect data transfer and access credentials. Authorized users read and write on the same archives and data are subjected to a standard validation procedure also simultaneously crosschecking all the connected databases.

Sialleva is also connected to official external national databases: as the National Livestock Identification Database (BDN; Ministry of Health), the National Veterinary Drug Database (AISA; Ministry of Health), the Unified Informative System (SIAN; Ministry of Agriculture) and the databases of the National Breeders Associations (Herdbooks).

Sialleva is also a hub in farm, being connectable with other devices potentially installed as milking meters, milking robots, pedometers, ruminometers, environmental datalogger etc.

Farmers and official performance recorders input in Sialleva productive and productive data while veterinarian input diagnosis, treatments, pathologies etc.

Si@lleva returns a series of reports and graphs in real time with the last update

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