

Research project IZSve 03/14

Definition of an operative framework for the implementation of a Spatial Infrastructure for veterinary surveillance data – IZSve-SDI

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According to the research priority targets of the Sanitary Plan for Veterinary Health, this research is aimed to promote the improvement of surveillance networks and communications and to allow a real-time information circulation between Public Health Authorities. The goal of this research is to define a framework for promoting the integration and re-use of veterinary information based on the SOA (Service Oriented Architecture) approach. Its main aims are both the development of a repeatable methodology for veterinary surveillance data harmonisation, and the implementation of best practices useful to describe the technology to warrant the data harmonisation process. To formally describe the technical components of the interoperability technology and make them exportable towards other veterinary organization, 5 tasks will be considered: metadata (data description), data specification (semantic and conceptual data definition), network services (web services implementation), data access policies (constraint and limitation on data access and use) and infrastructure monitoring.