



ISACCO-BS

Interactive System for the Automatic Classification Of Biological Sounds

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This software will associate metadata, sounds and time-spectral fingerprint stored in the knowledge base repository and will guarantee the interoperability of metadata. The asset in question will be composed of application client and integration on the open data portal; environment of data classification; semantic engine; machine learning engine; data interface layer; knowledgebase repository; population of the knowledge base, configuration and integration of the system in the hosting environment and launch, technical documentation and training.

Understand **biological sounds** have huge potential for use in biodiversity surveys, monitoring and management.

To **enhance usability and social impact** of biological sounds it is necessary to develop a LifeWatch infrastructure for acoustical signals recognition.

Isacco-BS will **integrate** a multifaceted analytical system devoted to the extraction of time-spectral characteristics of the signal.

