

JMesh – A Web Visualization Platform for Monitoring Marine Mammals.

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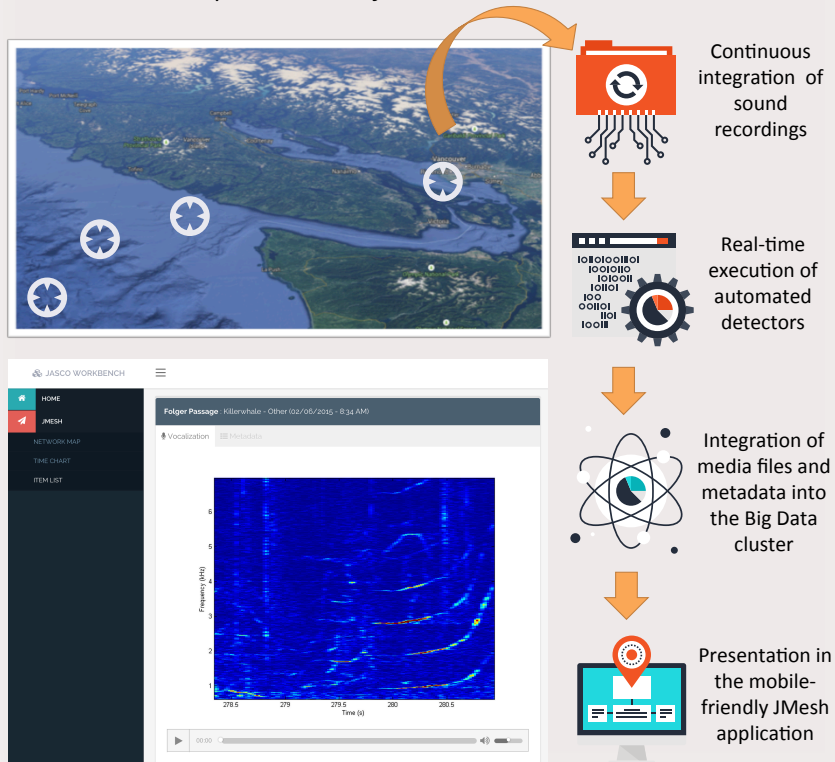
Introduction

Visualizing outputs from marine mammal detectors is key for mining large acoustic datasets. For efficient data analysis, operators must be able to easily navigate through large time series of detections, examine spectrograms, listen to detected sounds, validate detections, and compare detections for different species and different detectors over time and space.

The JMesh web platform has been designed with these constraints in mind. The application facilitates the analysis of historical and real-time data.

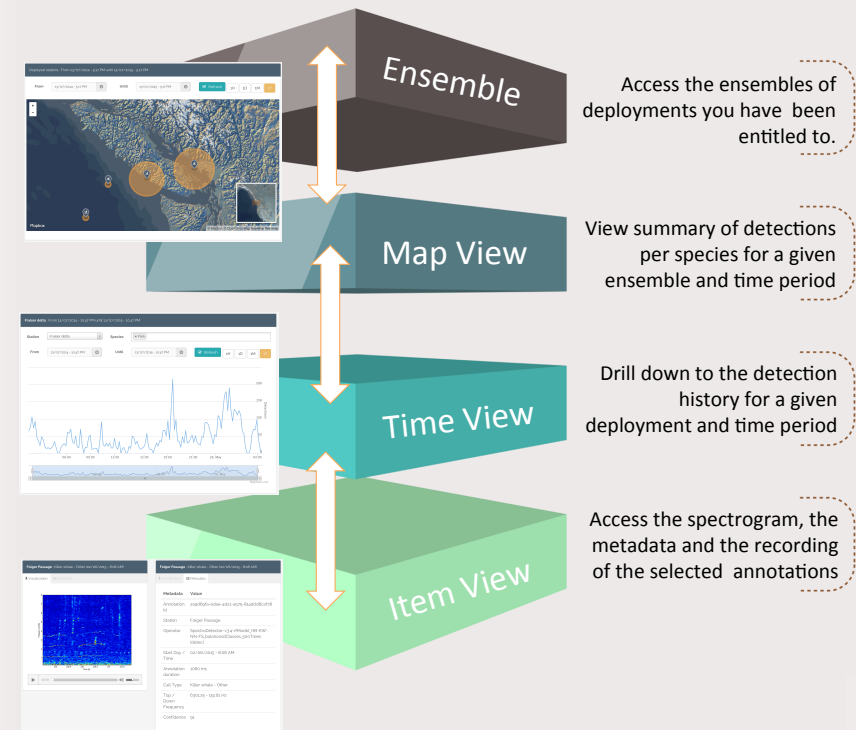
Real-time data processing

From collection to presentation of structured data



Analysis workflow

A top-down approach



Next steps

A collaborative platform for open and private data

- Manually ground truth detection results with possibility of crowd sourcing
- Export detection results for further analysis
- Publish a complete set of interfaces (APIs) for an easy integration with external systems/users
- Compatibility with the Tethys schema