



EcoInfoFAIR  
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19 Nov 2024, Moulis



# PAM data workflow



Data  
management

## Storage

- Short-term
- Sharing
- Archival

## Metadata

- Spatial
- Temporal
- Acoustic
- Taxonomic
- Built-in tags

## Organising

- Filter/Index
- Order
- Containerise



Signal  
processing

## Amplify/normalise

- Resample
- Trim/split/merge
- Extract/filter
- Reduce noise
- Time-expand
- Compression
- Zero-crossing



Visualisation  
& navigation

## Waveforms

- Spectrograms
- Scale
- FFT
- Thresholding
- Navigation
- Frequency
- Time
- Playback
- Speed
- frequency



Acoustic  
analysis

## Annotation

- Manual
- Automatic
- Execution
- Fine-tuning
- Training

## Metrics

- Acoustic indices
- Energy
- Power spectrum
- SPL

● : Implemented

# ecoSound-web : liens et ressources

- [Living paper](#)
- [Source code](#)
- [Website](#)
- Collaborations : Vogelwarte, University of Freiburg, WOPAM, WWSS

# ecoSound-web: short-term (2024)

- SFTP connections to remote recordings
- Label management, summary statistics
- Review mode improvements

# ecoSound-web: mid-term (2025)

- Re-factoring (c.f. SoL platform, OSEkit)
- **WWSS** features

# ecoSound-web: long-term (>2025)

- AI model fine-tuning
- Flexible workflows
- Multimodal data visualisation ?
- Local execution