Internship offer - Development of a collaborative annotation tool for audio data

Duration: 3-6 month

Description: The DYNI team (University of Toulon, France), is looking for a master student to contribute to the development of an open-source tool for collaborative audio annotation aiming at creating bioacoustic datasets. These datasets will be used to improve our models of automatic bioacoustic scene analysis (e.g. detection and identification of bird species, marine mammals...).

A demo of an early version of the application is available at http://194.167.251.152:8004/ (username: demo / password: thedemo).

Job: add features (recording of user actions, creation of different annotation modes, control of playback speed...), enhancement of the API and the UI… The specifications will be refined in collaboration with the selected candidate.

Requirements:
- Good knowledge of standard front-end web technologies: HTML5, CSS, javascript, jQuery
- Understanding and application of programming best practices: version control (git), documentation, tests, coding conventions

Good to have:
- Knowledge of Python and Flask (used for the backend)
- Knowledge of design and User eXperience
- Examples of applications developed by the candidate will be highly appreciated (ex. Github repositories)
- An interest in bioacoustics and/or citizen science will be appreciated

Keywords: web development, UI, audio, bioacoustics, collaborative annotation, citizen science, javascript, jQuery, HTML5, Flask, Python, wavesurfer.js

Salary: 540 € / month (if eligible)

Application: send cover letter and resume to glotin@univ-tln.fr and julien.ricard@gmail.com (with subject "DyniTag internship").