

Schedule – January 19th 2022

Applying Passive Acoustic Monitoring: current practices and future solutions

Note: Please remember to register by clicking [here](#). It is mandatory to receive the link. Schedule according to CET.

09:30 – 09:50 | Introduction

Presented by: Magali Gerino (Université Toulouse III – Paul Sabatier) and Camille Desjonquères

- Welcome and quick introduction of the conference

09:50 – 10:00 | Presentation of Tr@nsnet

Presented by: Lou Ackermann – Université Toulouse III – Paul Sabatier

- A quick introduction to the project: partnership, task groups, activities, objectives.

10:00 – 11:30 | First session: Sampling designs

- *Luis Santamaria - Estación Biológica de Doñana, Spain*

Integrating automated recordings, remote sensing and in-situ data within long-term monitoring schemes: an example from an iconic Mediterranean area, the Doñana National park.

- *Diego Llusia - Universidad Autónoma de Madrid, Spain*

Trends in passive acoustics: sampling design and monitoring networks

- Open discussion on sampling design for acoustic monitoring

11:30 – 11:40 | Georges Zissis, scientific coordinator of Tr@nsnet. Lighting and biodiversity.

11:40 – 12:00 | Coffee break

12:00 – 13:30 | Second session: Hardware

- *Becky Heath - Imperial College, UK*

Deploying autonomous 3D recorders

- *Laura Mascaraque - Universidad Politécnica de Madrid, Spain*

IoT solutions for wildlife acoustic sensors

- Open discussion on hardware for acoustic monitoring

13:30 – 15:00 – Lunch break

15:30 – 16:30 | Third session: Signal processing

- *Rachel Buxton - Carleton University, Canada*

Using passive acoustic monitoring to guide biodiversity conservation solutions

IoT solutions for wildlife acoustic sensors

- *Juan Ulloa - Instituto Humboldt, Columbia*

Scikit-maad, a package for quantitative soundscape analysis in Python

- Open discussion on signal processing for acoustic monitoring

16:30 – 16:40 | Concluding remarks

For the persons attending in-person in Madrid:

Location: **CeDInt, UPM - Campus Montegancedo, 28223, Madrid, Spain.**