



# AUDIOTECH-4-ALL

## COST-EFFECTIVE HEARING SOLUTIONS USING COMMON EARPHONES



# LYNX



[Project summary video](#)

Winner **Altice International Innovation Awards 2024** (Social category) | [Video](#)

## Facts | problem

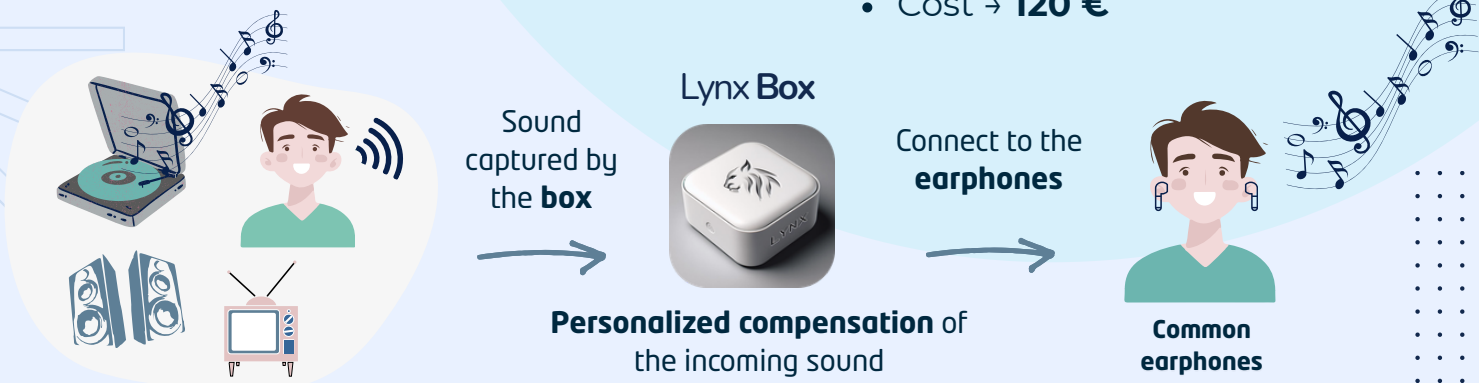
- **1 in 10** persons in Portugal have hearing loss
- Above 65 years old → **53%** have hearing loss
- Only **23%** use hearing aids
- More than **430 million** people would need to compensate for their hearing loss (WHO)

- **Even mild** hearing loss doubles the likelihood of developing cognitive impairment (**dementia**)
- **Why conventinal hearing aids are not solving all the problems?** Frequent maladjustment (lack of tuning when at home, noise on the street, battery replacement, frequent visits to the audiologist, etc.). Cost: ~ **3000 €**
- **Cost** is the most common reason people do not wear hearing aids (FORBES)

## Solution → Lynx Box

- A **compact** device designed to be worn around the neck, on a lapel or placed on a table (for those moments worth listening to)

- Hearing **screening test** and **personalised hearing profile** via an **APP** or Website
- Cost → **120 €**



→ **Validation** of the prototype already **started** at the Coimbra's Hospital  
 → **30k € required** to finished the validation, produce 200 units and carry out the pilot study for 200 persons with hearing loss (3 months). It is expected that 30% will wish to purchase the equipment on a subscription basis

## Partners



UNIVERSIDADE DE COIMBRA SPIN-OFF



## Team

