

EXPERIENCE

01/2023 – present

PhD research and teaching in Computer Science and Sustainability

Université de Lyon 1

Software Obsolescence

- PhD on Software obsolescence: analysis and remediation strategies. Under the supervision of Aurélien Tabard within the Limites Numériques research team, at Université Lyon 1, in Computer Science.
- My research work aims to analyze digital obsolescence in the context of the climate crisis, within planetary limits and remediation strategies. I do not see obsolescence as only a technical issue, but as a systemic problem, having social, human and ecological impacts.
- My work focuses on smartphone ecosystems, in particular on Android, allowing me to better understand obsolescence and alternative free and libre smartphone systems that try to tackle some of these problems. I also study the Debian Operational System, known for its durability and for its open, collaborative & non-profit organizational aspects and how the project deals with maintenance and durability.
- Since 2020, I have been teaching to Master students in Ecole Centrale Méditerranée a course on Digital Ethics.

2020 – present

Digital rights and Climate justice work at La Quadrature du Net

La Quadrature du Net

Digital rights and Environmental justice, surveillance technologies

- Since June 2024 I am working part time at La Quadrature du Net, a French Digital Rights non-profit, on research and coordination of the *Digital rights and Environment justice* working group.
- Since 2020 I am an active volunteer member of the Technopolice campaign that analyses and documents digital surveillance systems. As such I have helped organize the Marseille local group work, and several national events such as the Technopolice exhibitions, the Technopolice festivals and thematic surveillance cartographic walks.
- I conduct research and monitoring on Environmental issues related to technology and digital surveillance technologies used as repressive technics. I have written reports and organised workshops for researchers, activists or journalists on these subjects.

02/2022 – 08/2022

Research report on predictive policing in France

Amnesty International

Consultancy, research work

- With Félix Tréguer we were employed as consultants for Amnesty International (Anja Bienert) to conduct a research on place-oriented predictive policing in France.
- We conducted open-source desktop and on-field investigation, interviews with researchers, and police officials and developers. I was in charge of the analysis on the software developed and used by the French Gendarmerie called Paved.
- A confidential detailed research report of 90 pages was delivered to Amnesty International (Anja Bienert).
- We continued this work for La Quadrature du Net and Statewatch, UK. In 2024 we published the reports in french and english.

2020 – 2022

MaDada, Open-data project coordinator

Open Knowledge France

Campaign and program coordinator

- I worked for the non profit Open Knowledge France, as the main coordinator of the Open Data Alaveteli french platform that the organization maintains and develops, called Ma Dada. I coordinated work in the project, secured funding and communicated towards the importance of Open Data publicly, and towards public institutions.

C, C++, Python, functional programming ...

• I have been a developer and project manager of free and open source software, mainly for public research labs for several years (see some of my previous work here [🔗](#)).

EDUCATION & TRAININGS

Research in Computer Science

2008 from Université Paris Cité [🔗](#)

Theory and Practice of Computer Science

2006 from Université Paris Cité [🔗](#)

Digital and legal security in french repressed environments

2022 by some collective

LANGUAGES

Albanian

tongue

C2 Proficient User | Mother

French

C2 Proficient User | Bilingual

English

C1 Proficient User

Italian

C1 Proficient User

Esperanto

B2 Independent User

PROUD OF

🔗 Surveillance walks [🔗](#)

Organizing cartographic walks since 2020: mapping cameras collectively, analyzing biometric surveillance projects, their usage, social and discrimination biases, and sometimes circumvention strategies in order to defend ourselves and secure our fundamental rights in public space.

♥ Festival Technopolice, Marseille [🔗](#)

Organizing two festivals (2022, 2023) for the Technopolice campaign, with films, debates and workshops about surveillance technologies and fundamental rights infringement.

♥ Festival Le nuage était sous nos pieds, Marseille, 2024 [🔗](#)

Organizing three days of screenings, urban walks, debates and workshops about data centers in Marseille, how they shape our territories or impact our direct environment, and how to regain power as inhabitants.

RESEARCH WORK

✓ Publications and pre-publications

1. *Producing software obsolescence: the case of Android OS*. Edlira Nano, Léa Mosesso, Nolwenn Maudet, Aurélien Tabard. Submitted in Feb. 2026. [\[pdf\]](#) [🔗](#).
2. *L'obsolescence, modèle économique du capitalisme numérique*. Book chapter in **Capitalisme Numérique**, editorial supervision of Olivier Alexandre, Centre Internet et Société, CNRS. To appear at C&F éditions, 2026. [\[pdf\]](#) [🔗](#).
3. *Obsolescence Paths: living with aging devices*. Léa Mosesso, Nolwenn Maudet, Edlira Nano, Thomas Thibault, Aurélien Tabard. International Conference on Information and Communications Technology for Sustainability, June 2023, Rennes, France. doi: 10.1109/ICT4S58814.2023.00011 [🔗](#). (hal-04097867) [🔗](#).
4. *Digital obsolescence*. Edlira Nano. Doctoral Symposium, International Conference on Information and Communications Technology for Sustainability, Jun 2023, Rennes, France. pp.36-47. (hal-04107104) [🔗](#).

✓ Research Reports

1. Edlira Nano, Félix Tréguer. 'Predictive' Policing in France: Against Opacity and Discrimination, Why a Ban is Needed. La Quadrature du Net [🔗](#). (hal-03783592v1) [🔗](#).
2. Edlira Nano. Investigation: in Marseille as elsewhere, digital infrastructures are taking over the territory. November 2024. La Quadrature du Net [🔗](#).

✓ Conferences and seminars

1. Producing software obsolescence: the case of Android OS, Talk given at Séminaire politiques environnementales du numérique, Centre Internet et Société, online, April 2024; at Séminaire UTC.lowtech, June 2024; at seminar of the Phenix team in the Citi Lab at INSA, Lyon, March 2025.
2. Studying longevity in Debian OS. NetGouv 2024. Journée annuelle du GdT Gouvernance et régulation d'Internet du Centre Internet et Société, CNRS. May, 2024.
3. Designing obsolescence: the case of smartphone SoCs, talk at the 2024 Free Silicon Conference (FSiC) sustainability session, Paris, June 2024
4. Impact territoriaux, sociaux et environnementaux des infrastructures numériques: l'exemple de Marseille, Journée "L'empreinte environnementale du numérique en débat" [🔗](#), Cemti, Université Paris Cité, April 2025.

✓ Teaching

1. **2020 - 2024**. Ethics in digital technologies. Ecole Centrale Méditerranée, master 1, Semester 8, 36 hours of main and TP course. Teaching and co-organising this course yearly since 2020. Main coordinator in 2024.
2. **2024 & 2025**. Digital Obsolescence. Ecole Centrale Méditerranée, master 2 DO-IT, 8 hours of main course in October 2023 and October 2024.