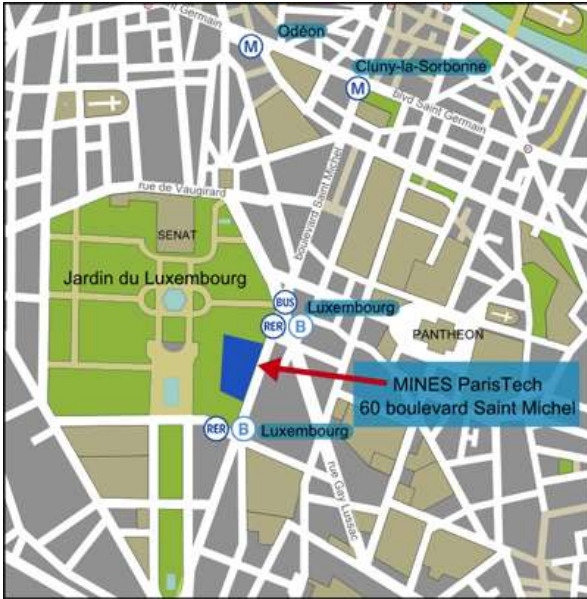


Location

November 20-24th, 2023

Ecole Nationale Supérieure des Mines de Paris
60, boulevard Saint-Michel
75006 Paris



Bus stations

Luxembourg  21, 27, 38, 82, 84, 85, 89

Metro stations

RER B Luxembourg 

Chaire Mines Urbaines

The Chair “*Urban mines*” aims to boost researches and education to recycle materials from WEEE* and develop high performance recycling channels

The Chair “Urban mines” is sponsored by ecosystem, the French take-back system in charge of WEEE*, in the frame of the ParisTech Foundation. The Chair was created in 2014 in partnership with ParisTech. Three engineering schools are involved in its research and training topics.

**Waste Electrical and Electronic Equipment*



Chaire Mines Urbaines

ATHENS Programme
Paris - November 20-24th, 2023

**Circular economy and
eco-design
Urban Mine case**



Circular economy and eco-design – Urban Mine case

Monday, November 20th 2023

9.30 a.m.-12.30 a.m.

Circular economy (all sectors), Franck AGGERI, Ecole des Mines

Extended Producer Responsibility (EPR) policy: the WEEE case, Laurène Cuenot, ecosystem

1.30 p.m.-4.30 p.m.

New circular business models, Helen MICHEAUX, Agro ParisTech

Repair and reparability: policies, practices and business model, Chloé STEUX, Ecole des Mines

4.30 p.m.-5.00 p.m.

Case study introduction

Tuesday, November 21st 2023

9.30 a.m.-12.30 a.m.

Ecodesign methods, tools and practices, Nicolas PERRY, Arts & Métiers

Environmental assessment of WEEE management, Axel ROY, ecosystem

1.30 p.m.-4.30 p.m.

Recycled material standard, Nicolas NEVE, Arts & Métiers

Plastic eco-design: introduction, Nicolas NEVE, Arts & Métiers

Advanced technologies for plastic's recycling and their potential applications to WEEE's Plastics, Arnaud PARENTY, Lavoisier Circular Transition

4.30 p.m.-5.00 p.m.

Case study meeting

Wednesday, November 22nd 2023

8.30 a.m.-10.00 a.m. *Travel from Paris to Paprec Oise - Pont Ste Maxence*

10.00 a.m.-12.00 a.m. **Visit of Paprec treatment plant /**

Assessing the criticality of raw materials, Mariane IGHILAHIRIZ, Chimie Paris

12.00 am.-1.00 p.m. Lunch

1.00 pm -2.30 pm : **A French WEEE take back system**, Axel Lazar ecosystem

2.30 pm - 3.30pm *Travel from Paprec Oise - Pont Ste Maxence to Paris*

Thursday, November 23rd 2023

9.30 a.m.-12.30 a.m.

Sampling of waste Printed Circuit Boards, Alexis BARTHET, Ecole des Mines

Recovery of critical and precious metals from Printed Circuit Board, Julien COMEL, Terra Nova Développement

Recovery of Antimony from Plastics containing Brominated Flame Retardant, Morvan GAUDIN, Chimie Paris

1.30 p.m.-4.30 p.m.

Technological innovations within plastics sorting, Matthieu GERVAIS, Arts & Métiers

Collaborative R&D approach in WEEE plastic recycling, Farida TOMASELLA, Environnement Recycling

Recycled plastic use in electronics products, Olivier GABUT, Legrand

4.30 p.m.-5.30 p.m.

Free time or Case study

Friday, November 24th 2023

9.30 a.m.-12.30 a.m.

Case study

1.30 p.m.-4.30 p.m.

Study case presentation

Presentation of the required **keys** to understand the **context**, the **issues** and the **challenges** of **WEEE* recycling**

*Waste Electrical and Electronic Equipment

Registration at : <http://www.athensprogramme.com/>