Université Polytechnique HAUTS-DE-FRANCE

# Environmental, social & economic impact of mobility solutions

ECTS
4 crédits

Composante
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## Présentation

### Description

**Goal :** To understand the user's needs, and to assure the social inclusivity, economic viability, and environmental impacts of novel mobility solutions in urban and rural context.

**List of subjects to be presented to the students :**

• Basics of project management for sustainable & smart mobility solutions
• Project evaluation – methods, participatory approach
• Feasibility studies of novel mobility solutions (essence, purpose structure, requirements),
• Life Cycle Sustainability Assessment – purpose and stages
• Assessment of economic viability of projects for sustainable & smart mobility solutions – criteria, methods and case studies
• Assessment of environmental impact of projects for sustainable & smart mobility solutions (GHG emissions, air quality, carbon foot print calculation's methods, smog, noise, etc.)
• Assessment of social impact for sustainable & smart mobility solutions (criteria, social inclusion, equity analysis, user group expectations, problem of adaptability to new software, impact of quality of mode of transport on user's behaviors)
• Awareness of carbon issues of people's mobility (Mobility Fresk workshop)



Informations non contractuelles.
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