

<https://cumin.univ-lille.fr/>



Interactions of CUMIN

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Outline



Interactions with University of Lille



National and international interactions

CUMIN has also strong regional interactions
(not presented today)





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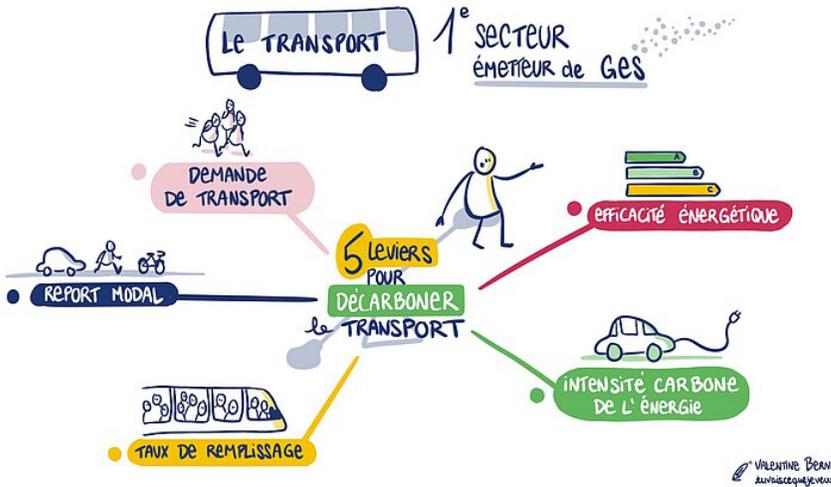
1. Interaction with University of Lille

Contribution to LID “Energy transition”

LID: 1 year of discussion of academics and socioeconomics partners on a transition topic

LID 2025: Energy transition (coordination: Betty Lemaire-Semail & Pascal Roussel)

- 4 brainstorming sessions to define prospective on energy transition
- 4 selected topic including usages (mobility & residence)
- 21-22 May 2026, final event



- Contribution to the 4 brainstorming sessions
- Contribution to the final event (workshop and round table on mobility)



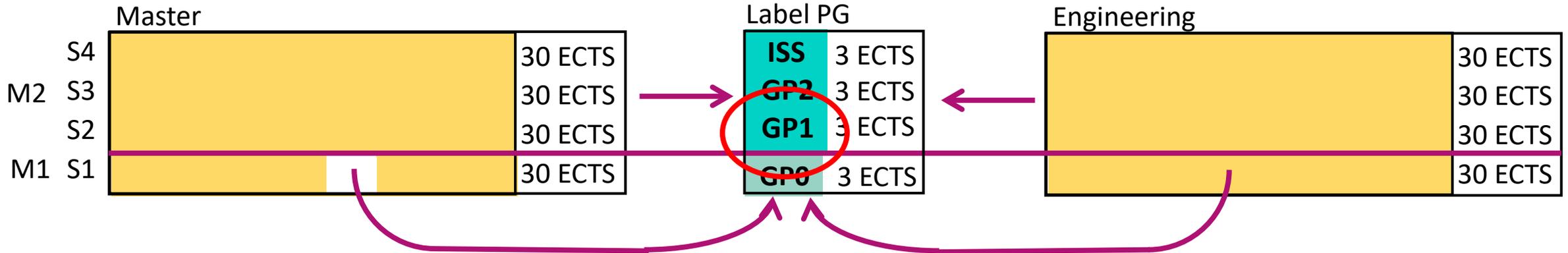
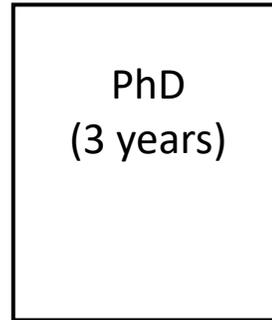
New graduate program “Sustainable Energy and Applications”

New label “Master+PhD”

GP0: awareness unit (optional)

GP1/GP2: advanced units (selected students)

ISS: international summer school



GP1 - “Green Mobility unit” (shared by doctoral schools)

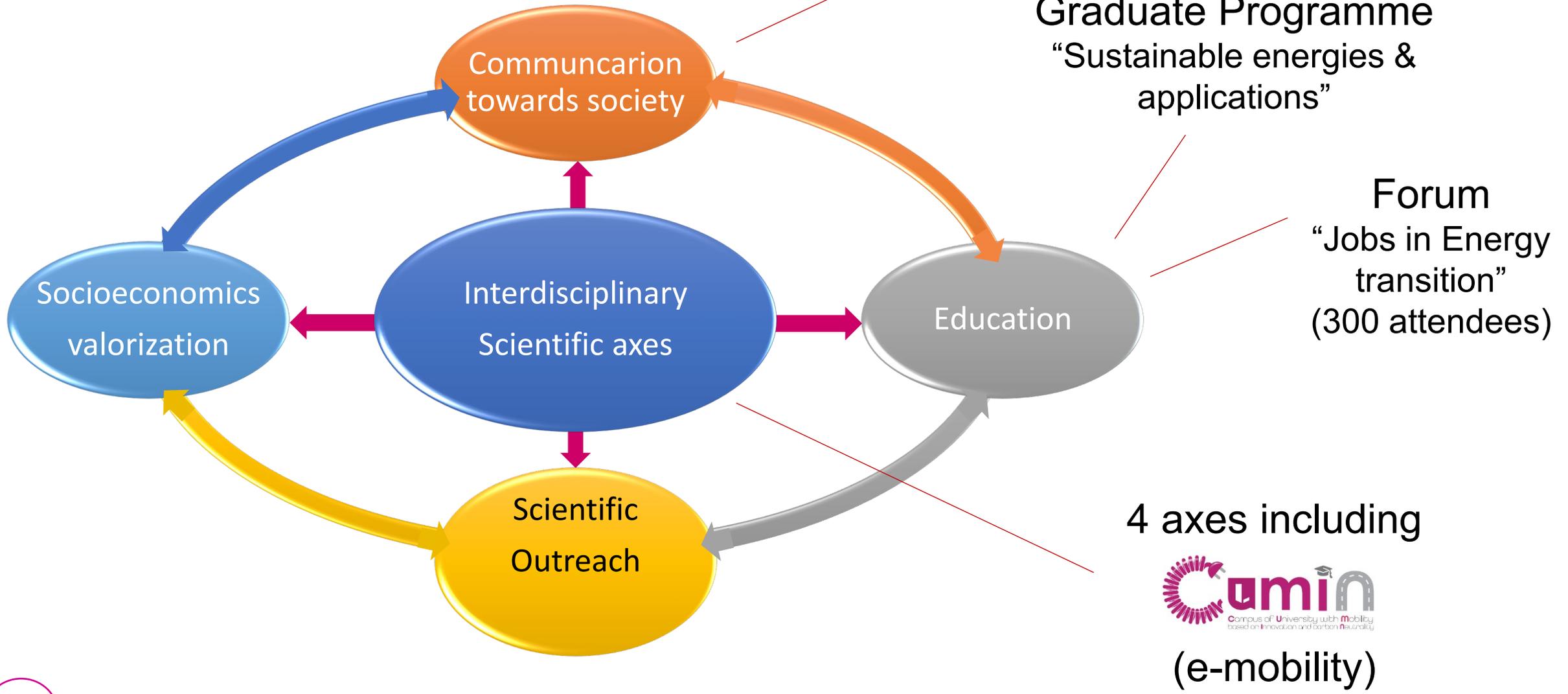


- eMobility challenges (A. Bouscayrol, CUMIN, L2EP)
- eMobility & economics (E. Hittinger, CUMIN, RIT-USA)
- eMobility & emission (P. Dufrenoy, CUMIN, LaMcube)
- eMobility & eVehicle (A. Bouscayrol, CUMIN, L2EP)
- eMobility & public policies (E. Castex, CUMIN, TVES)
- eMobility & renewable energy (N. Ferlay, CUMIN, LAO)
- eMobility & H2 Vehicles (L. Boulon, eCAMPUS LAI, UQTR, Canada)
- eMobility & CUMIN (CUMIN PhD and Postdoc) etc.
- 4h of Visit of experimental platform eV / ATOLL / 4Maat



Potential Institute “Energies”

LID
“Energy transition”





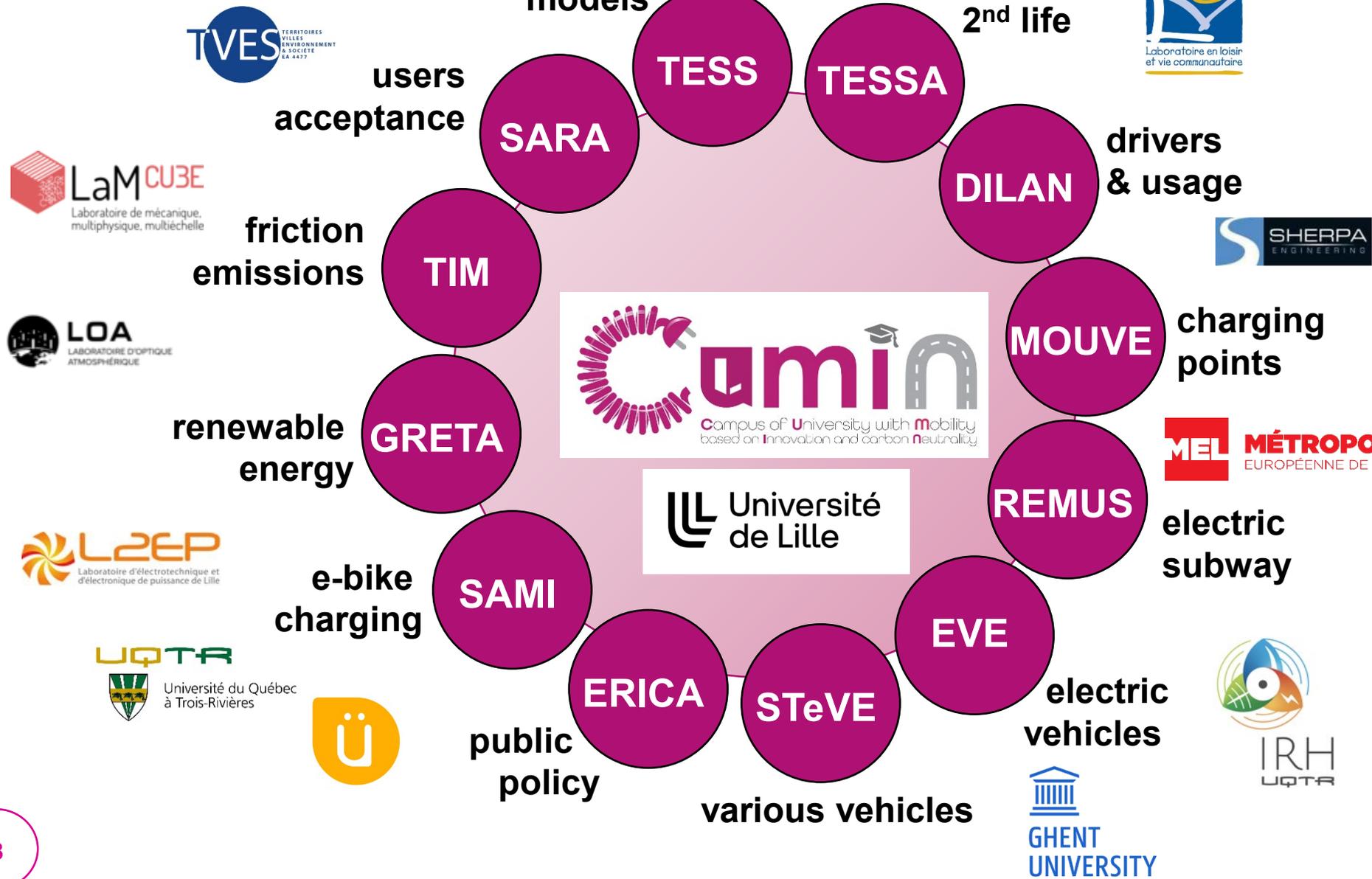
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2. National & International interactions

see the CUMIN website
for the funding of the projects



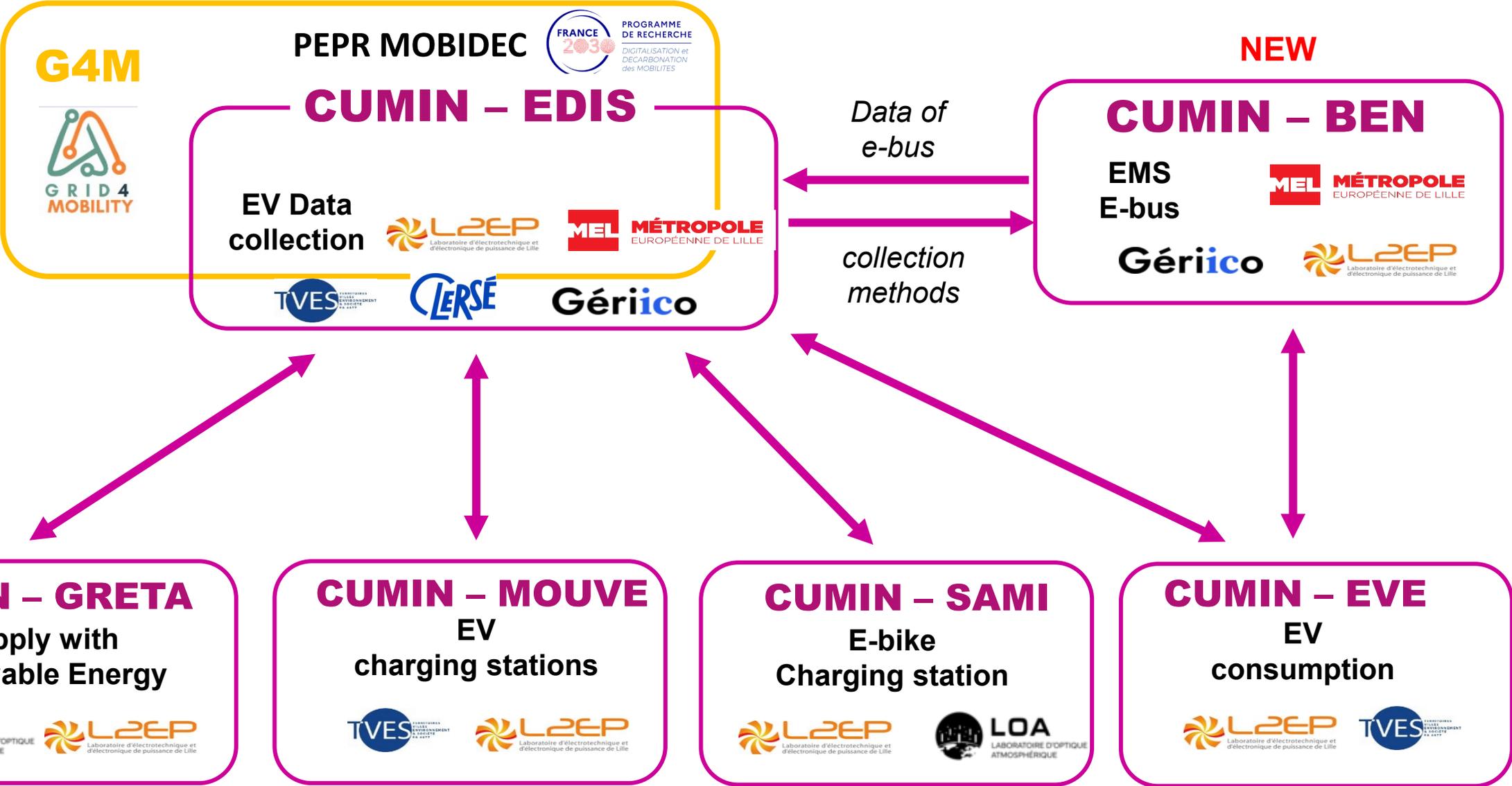
CUMIN portfolio



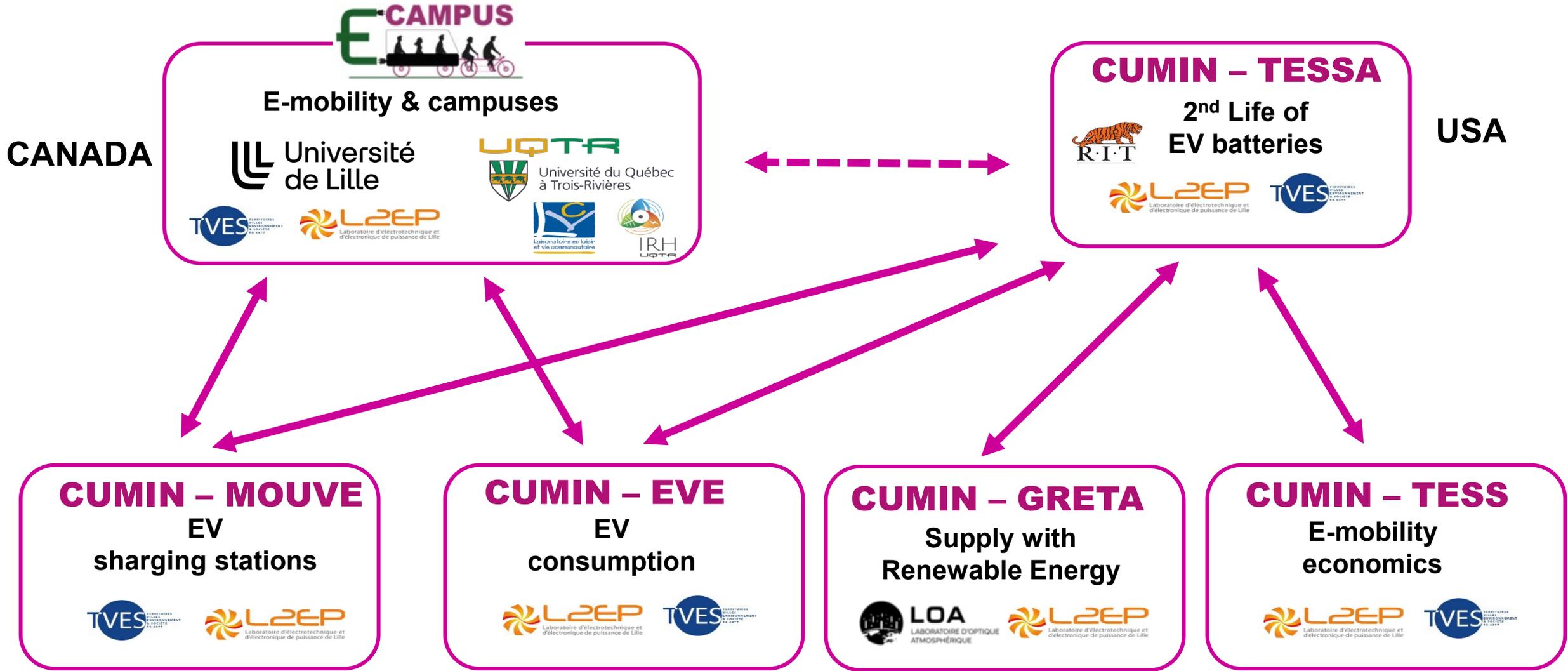
Funding

Supports

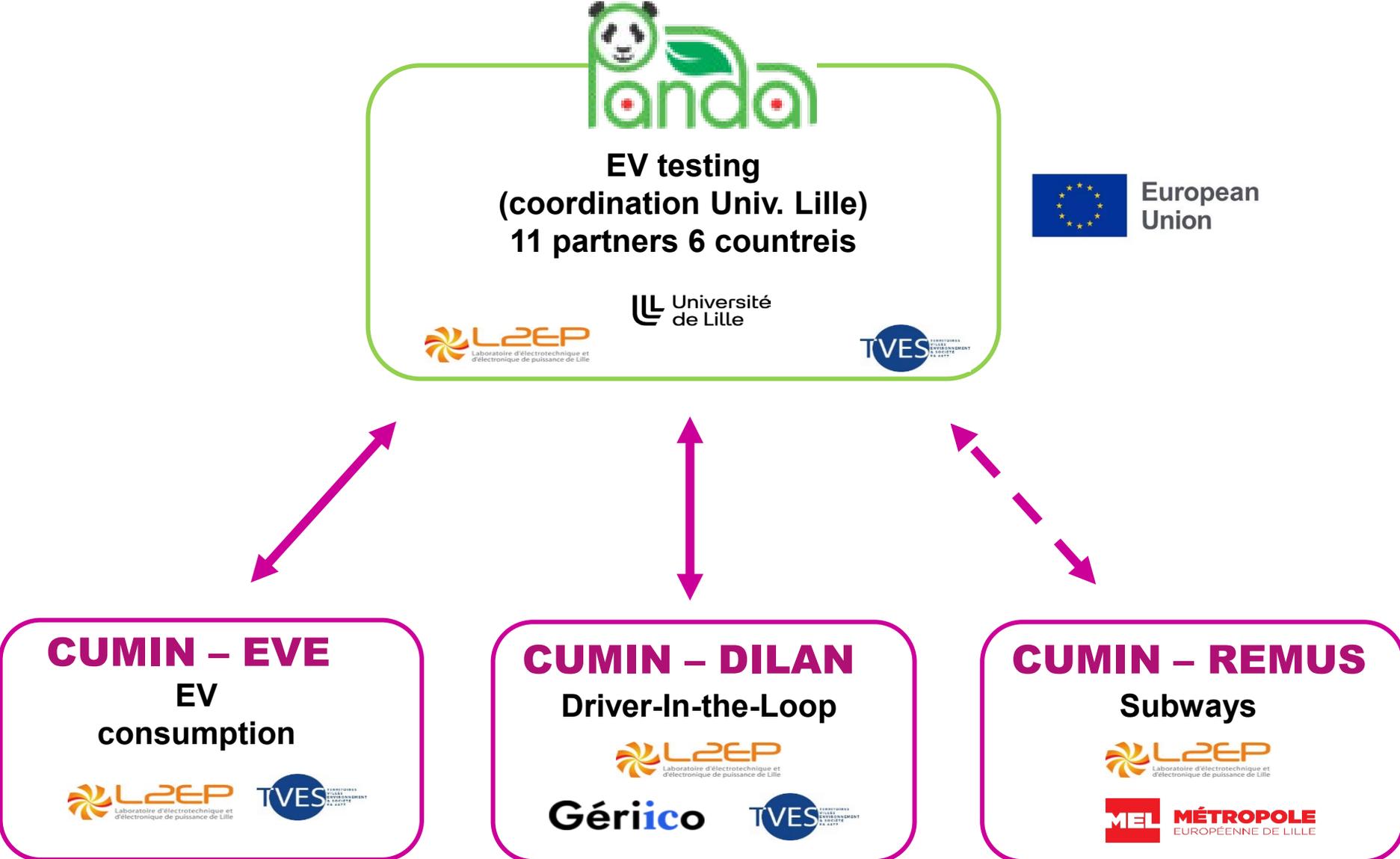
National interaction



International interactions



Past European interactions



On-going European interactions



CODE4EV
RIA HE
2025-2031

Software Defined Vehicles concept

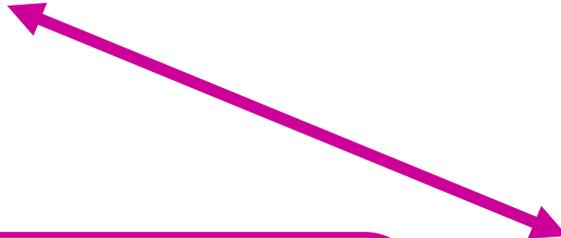
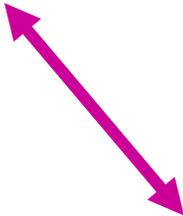
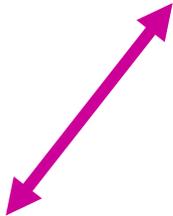
L2EP Laboratoire d'électrotechnique et d'électronique de puissance de Lille
MEL MÉTROPOLÉ EUROPÉENNE DE LILLE

anr **DFG**

SLOPE
emission models

LaM^{CU3E} Laboratoire de mécanique, multiphysique, multiéchelle
Technische Universität Berlin

France
Germany
program



CUMIN – DILAN
Driver-In-the-Loop

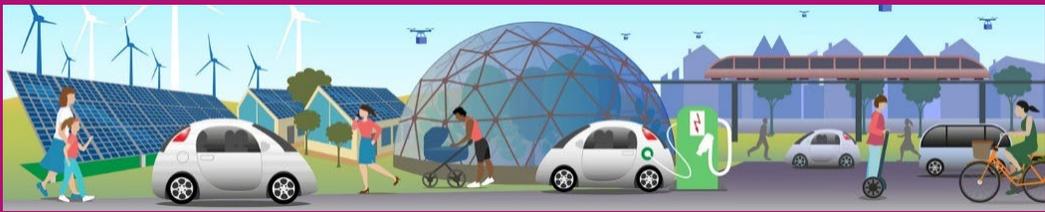
L2EP Laboratoire d'électrotechnique et d'électronique de puissance de Lille
Gériico **TVES**

CUMIN – BEN
EMS
E-bus

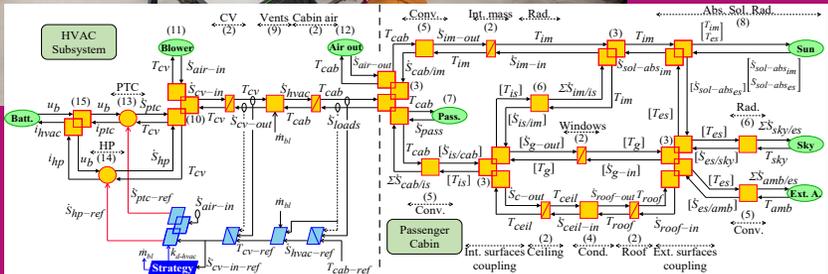
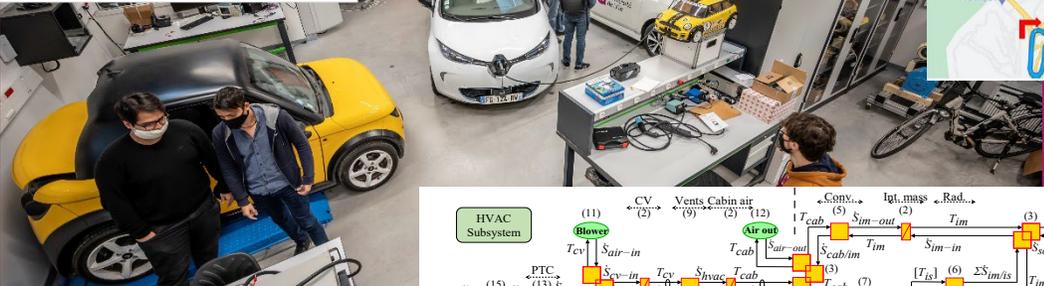
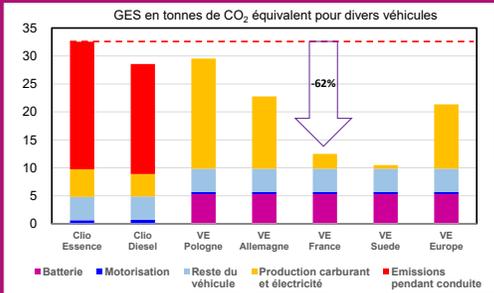
MEL MÉTROPOLÉ EUROPÉENNE DE LILLE
Gériico **L2EP** Laboratoire d'électrotechnique et d'électronique de puissance de Lille

CUMIN - TIM
Hybrid braking

L2EP Laboratoire d'électrotechnique et d'électronique de puissance de Lille
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Our university as an exciting living lab towards eco-cities through an innovative transdisciplinary framework !