SystemX
INSTITUT DE RECHERCHE TECHNOLOGIQUE

MARCH 6, 2014

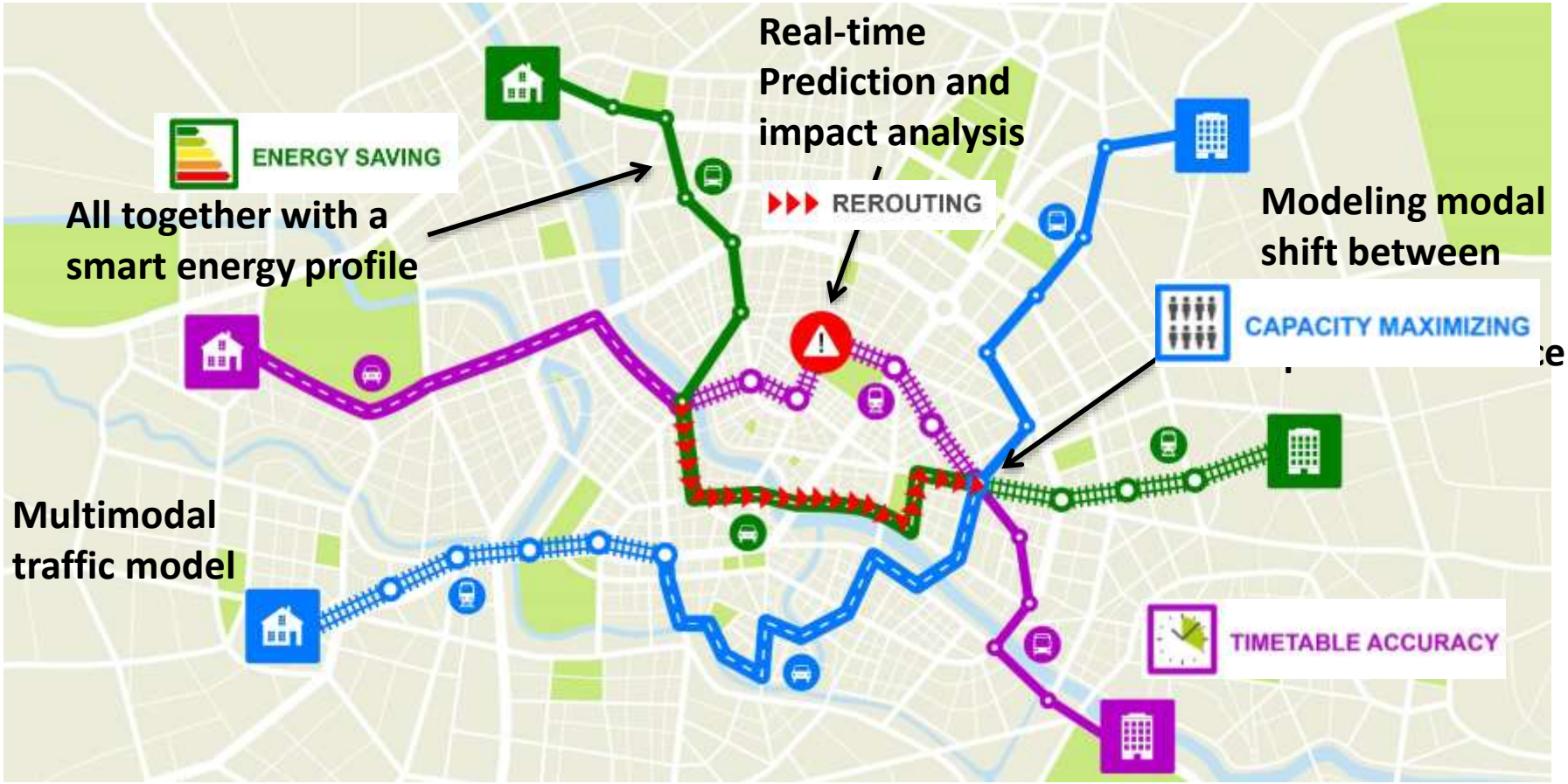
Future@SystemX

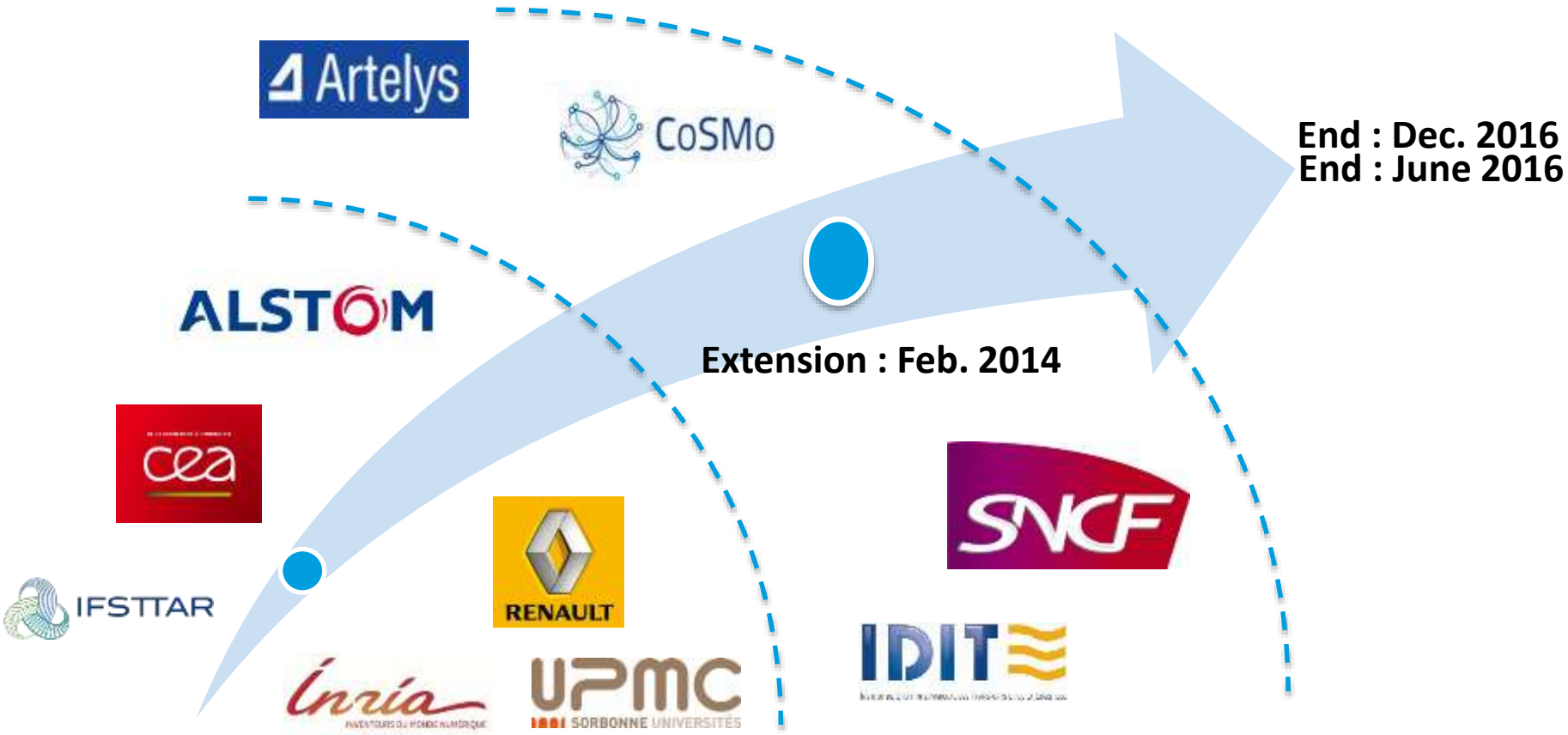
Multimodal Mobility : MIC* project case study

Lionel Scremin

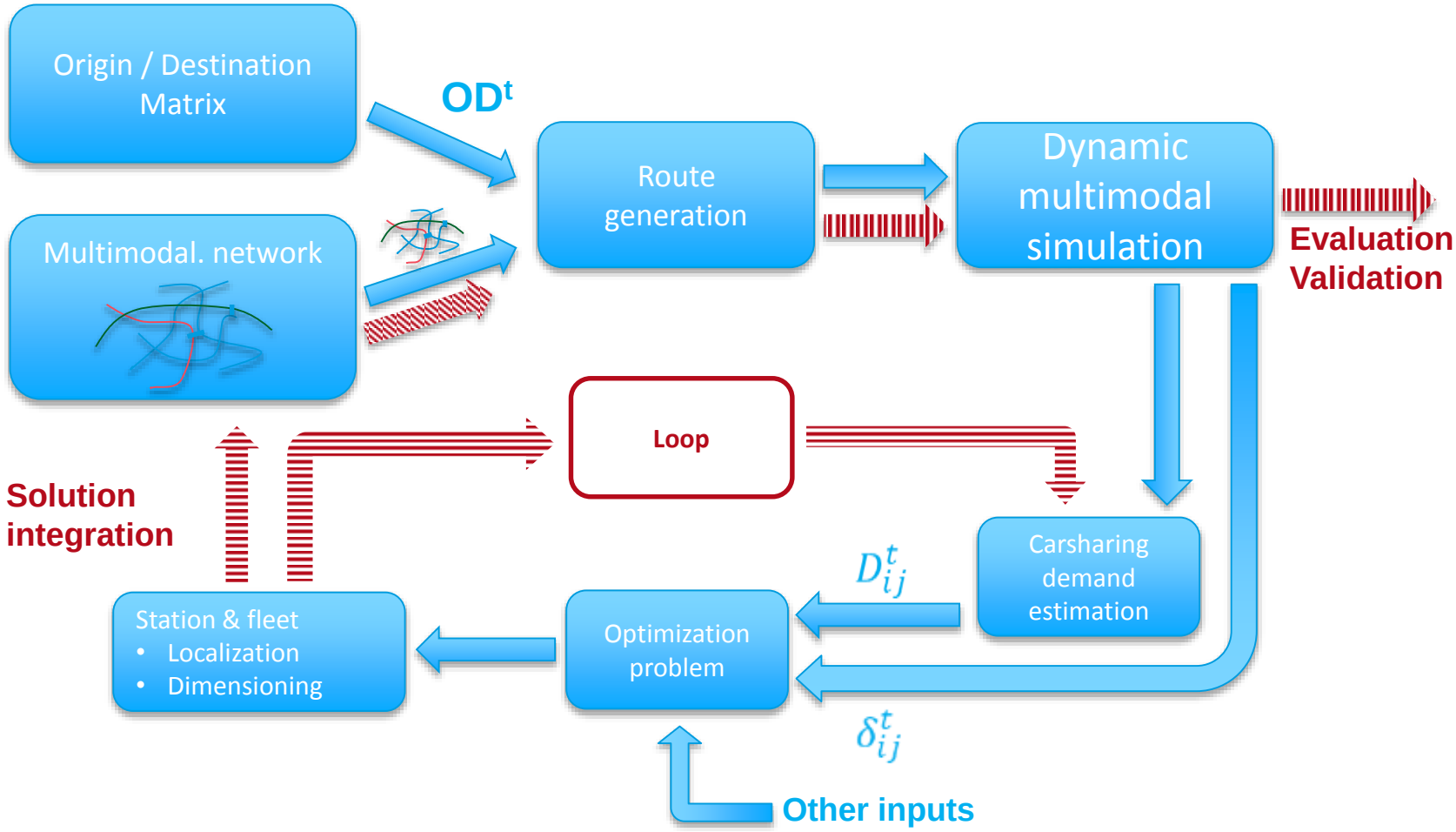
Modeling for optimized services and supervision

Modeling for optimized services and supervision




Artelys
CoSMo
ALSTOM
cea
IFSTTAR
RENAULT
SNCF
Inria
UPMC
SORBONNE UNIVERSITÉS
IDIT
End : Dec. 2016
End : June 2016
Extension : Feb. 2014
Kick-off : June 2013

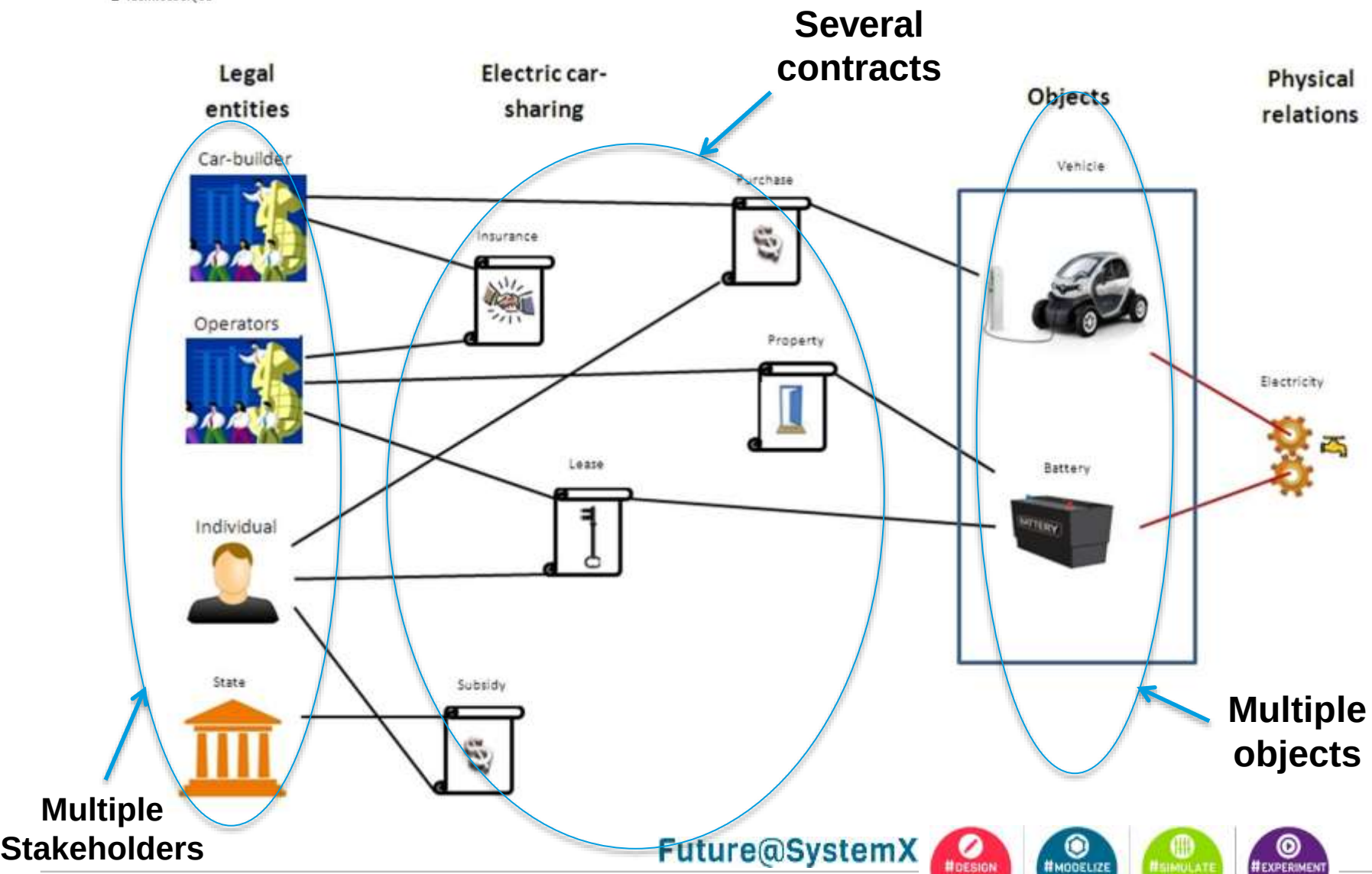
Optimizing electrical car-sharing



D_{ij}^t: number of passengers wanted to use the carsharing system from i to j, starting from i at time t

δ_{ij}^t: travel time between nodes i and j, starting from i at time t

Coupling technical and contractual models



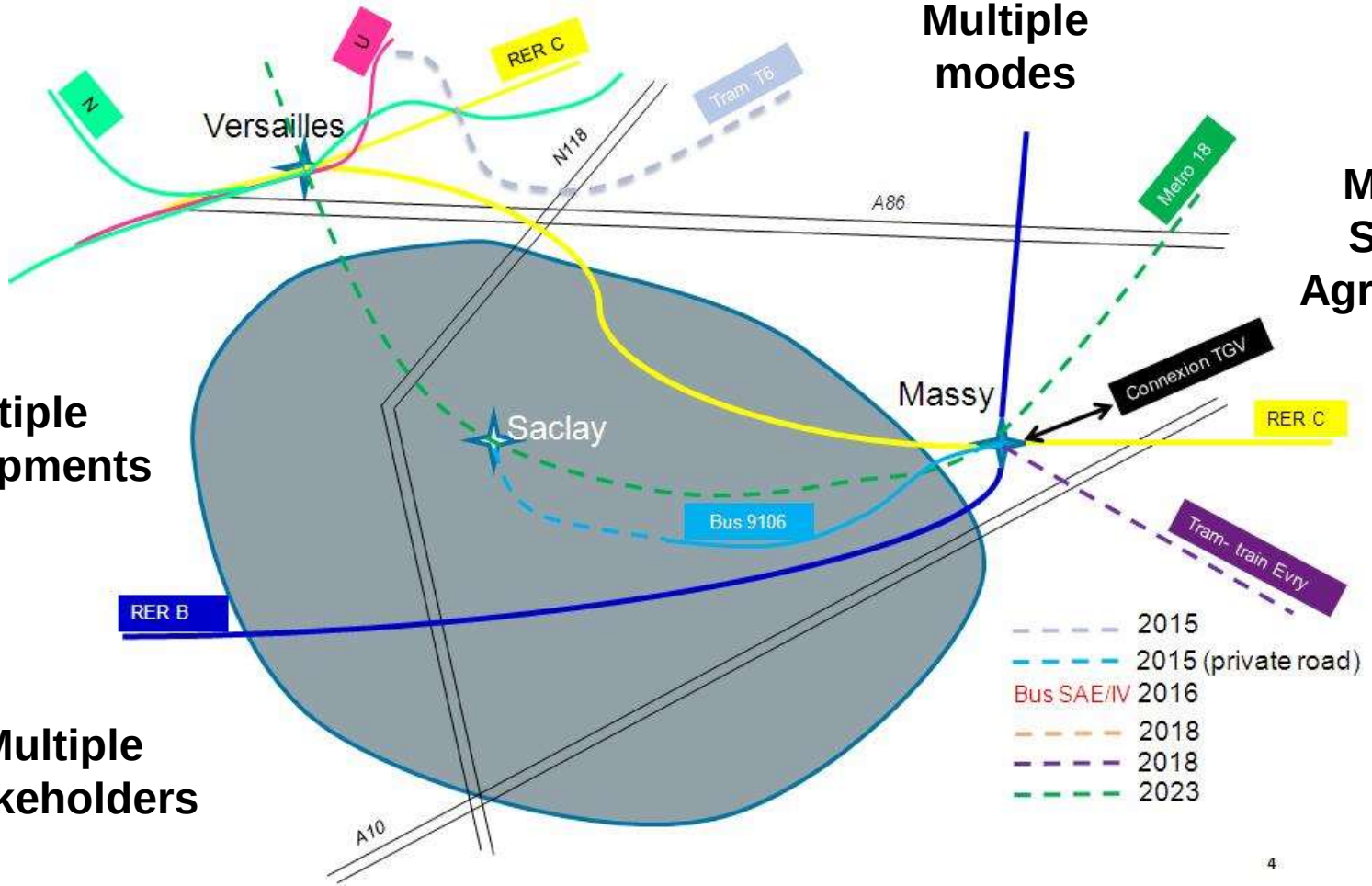
Paris-Saclay : our living lab

Multiple modes

Multiple Service Agreements

Multiple developments

Multiple Stakeholders



Future@SystemX #DESIGN #MODELIZE #SIMULATE #EXPERIMENT