

European Cooperation in Science and Technology (COST): An opportunity for cities

Cities of knowledge, smart cities – international experience in managing knowledge in cities

Mickael Pero – Capital Fort Sofia – 28 September 2017



Mission

Creating spaces where ideas and people can grow without limits



Proposition

Unlocking the full potential of science



Values

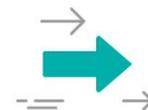
Embracing diversity
Open

Ingenious
Human
Easy



vision

Science is about people



COST Member Countries



EU 28



EU Candidates and Potential Candidates

- Bosnia and Herzegovina
- fYR Macedonia
- Montenegro
- Republic of Serbia
- Turkey



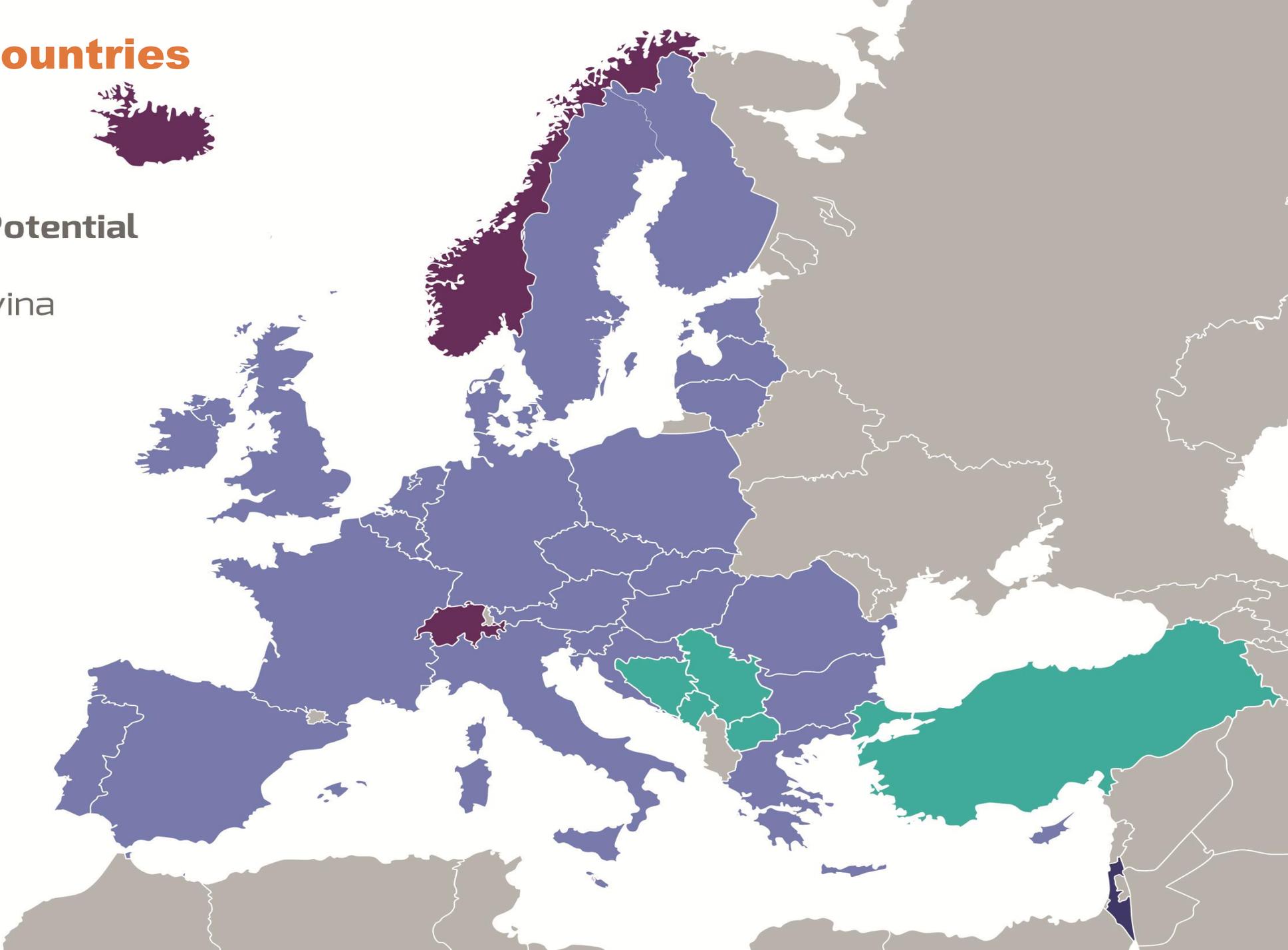
Other countries

- Iceland
- Norway
- Switzerland



COST Cooperating Member

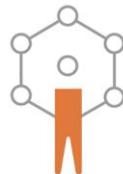
- Israel





Core policy

- Excellence and inclusiveness (widening the European research base)
 - Strengthening the excellence through cross-border networking of researchers
 - Promoting geographical, age and gender balance throughout its activities and operations
- Specific objectives
 - International cooperation (mutual benefit, NNC, ...)
 - Industrial dimension (dedicated dissemination and exploitation activities)



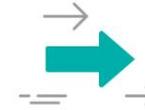
Open Space where ideas and people can grow

- Create / join a community of practice
- Access to data and information
- Provide experience and carrier opportunities
- Increase visibility of the topic
- Make an impact on relevant stakeholders
- Complementary to research projects

COST Actions



Memorandum of Understanding



4 years



Network



Min 7 countries



~ 500 000 euros over lifetime



**Research coordination
Capacity building**

Networking tools

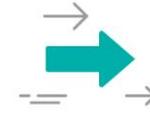
Research
coordination

Capacity
building



Dissemination

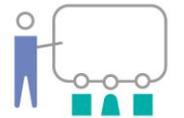
Management
Committee meeting



Working Group
meeting



Conferences



Training Schools



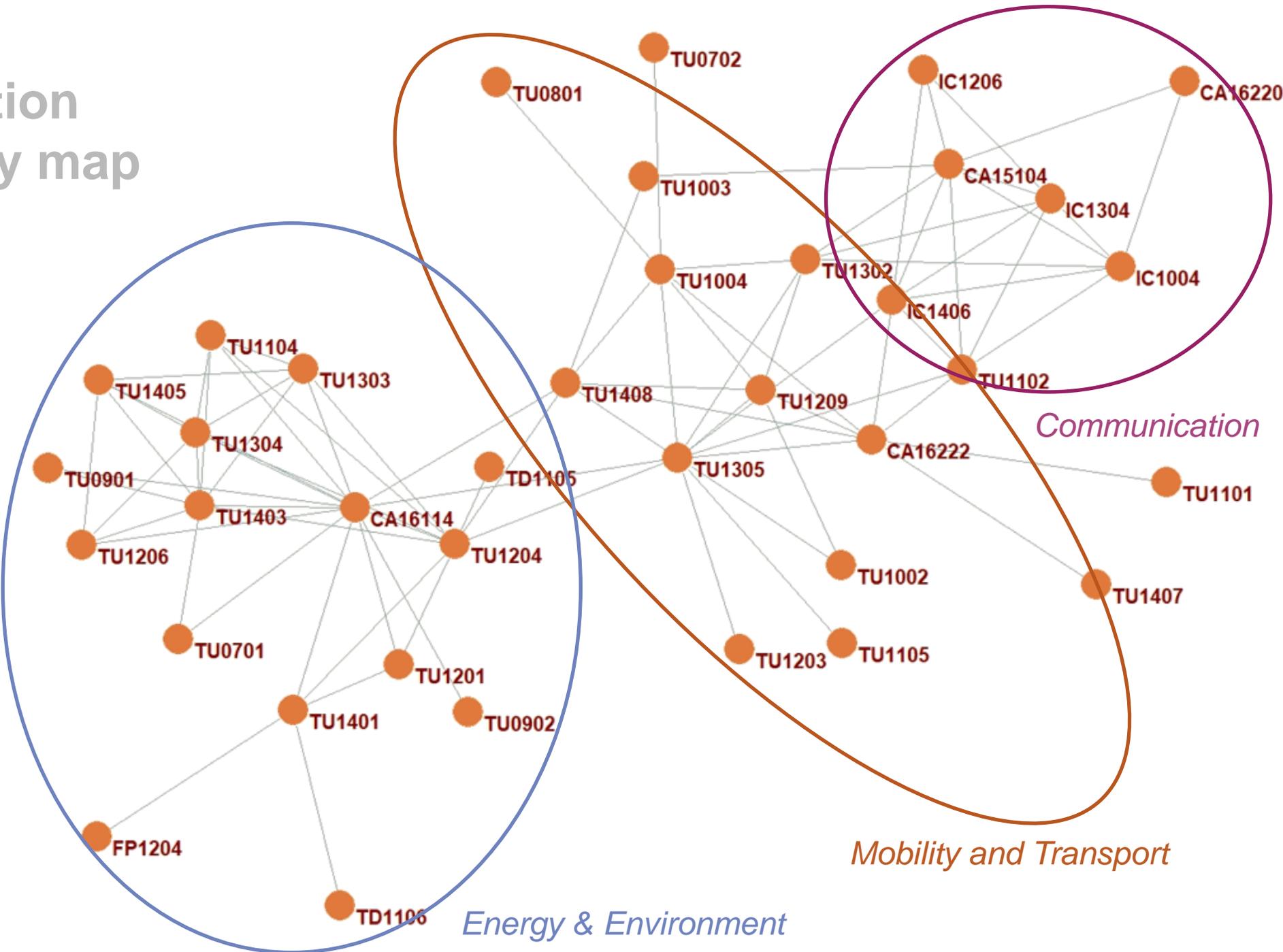
Scientific missions



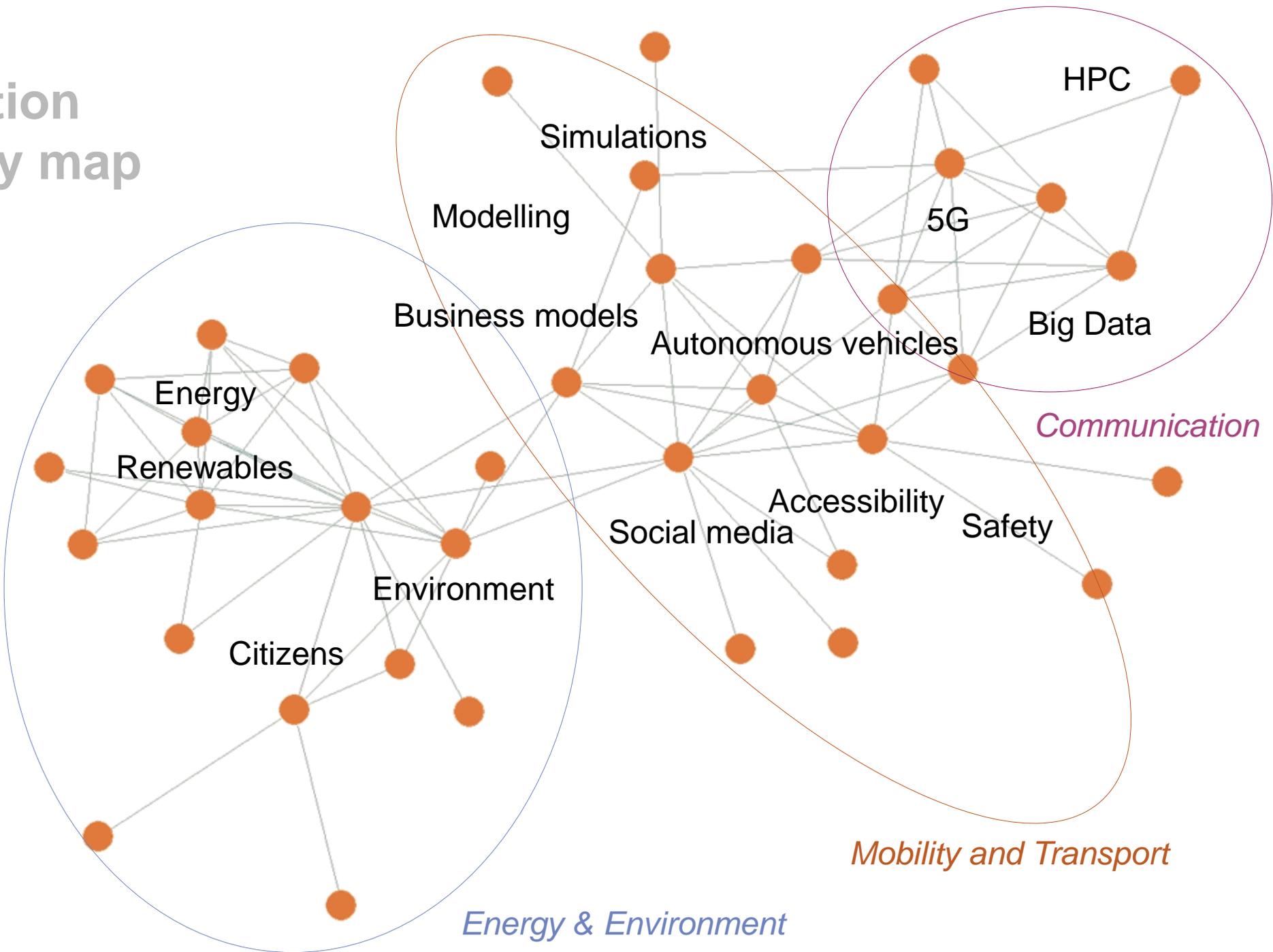
COST and intelligent / smart cities

Topics covered by COST networks

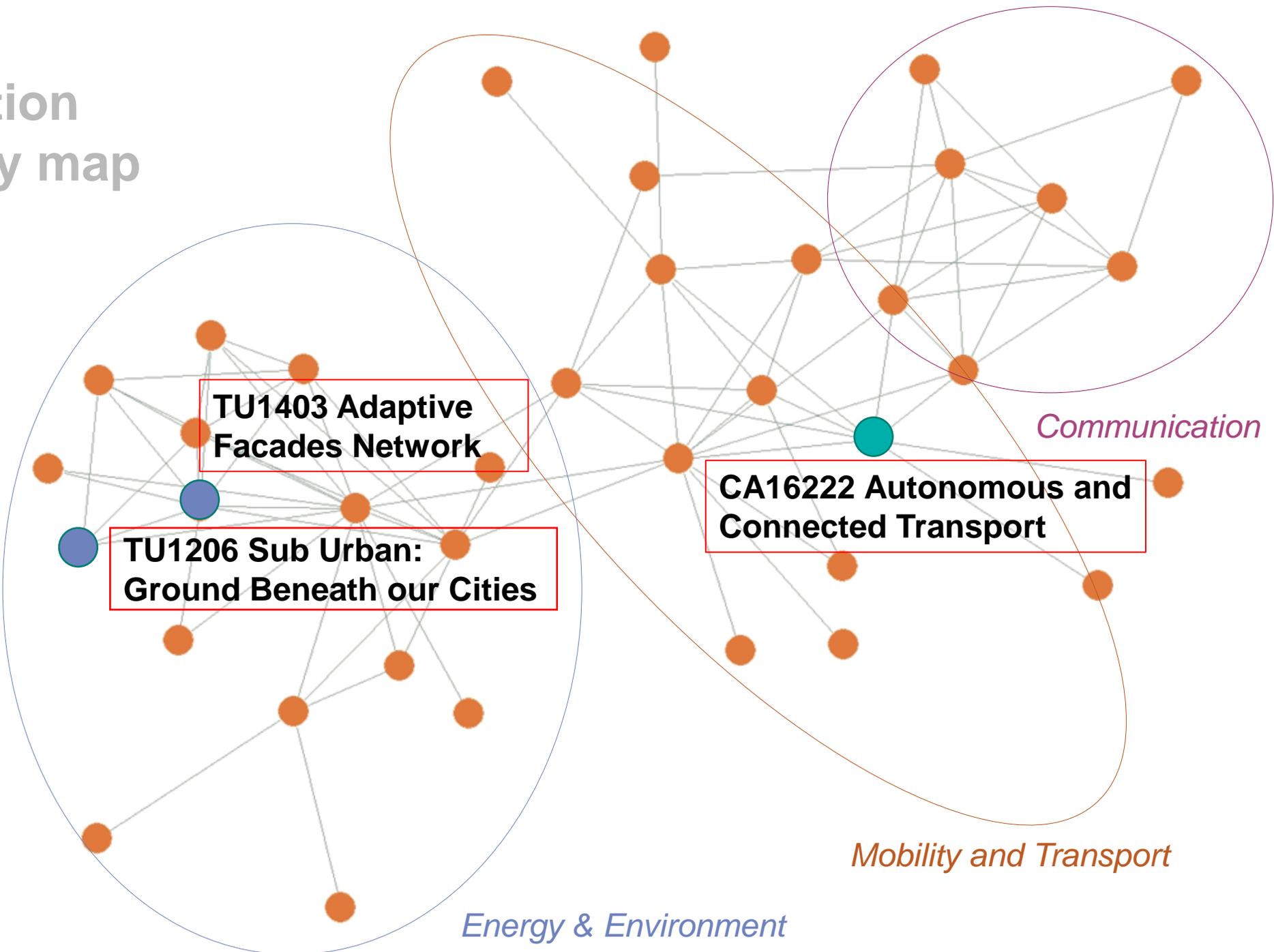
COST Action Smart City map



COST Action Smart City map



COST Action Smart City map





Data use and Sub surface Modelling to address specific city issues
Planners, decision makers, private sector involved
Decision making tool in Oslo, Odense, Rotterdam, Bucharest etc.

Dr. Seumas Campbell - Chair

Prof. Georgi Geogiev - Bulgarian Representative

A European network to improve understanding and use of the ground beneath our cities

Code: TU1206; Status: ended; Coverage: 30 COST countries; Budget: 580 000 €



Address energy efficiency challenges in buildings

Database for technologies' performance

Educational pack / collaboration with the industrial partners

Dr Andreas Luible - Chair

Prof Nina Penkova - Bulgarian Representative

Adaptive Facades Network

Code: TU1403; Status: running; Coverage: 26 COST countries; Budget: 460 000 €



*Autonomous Vehicles: Improve accessibility and road safety
Implications for travel behaviour – car sharing, travel time use etc.
Coordinate trials between cities / release guideline*

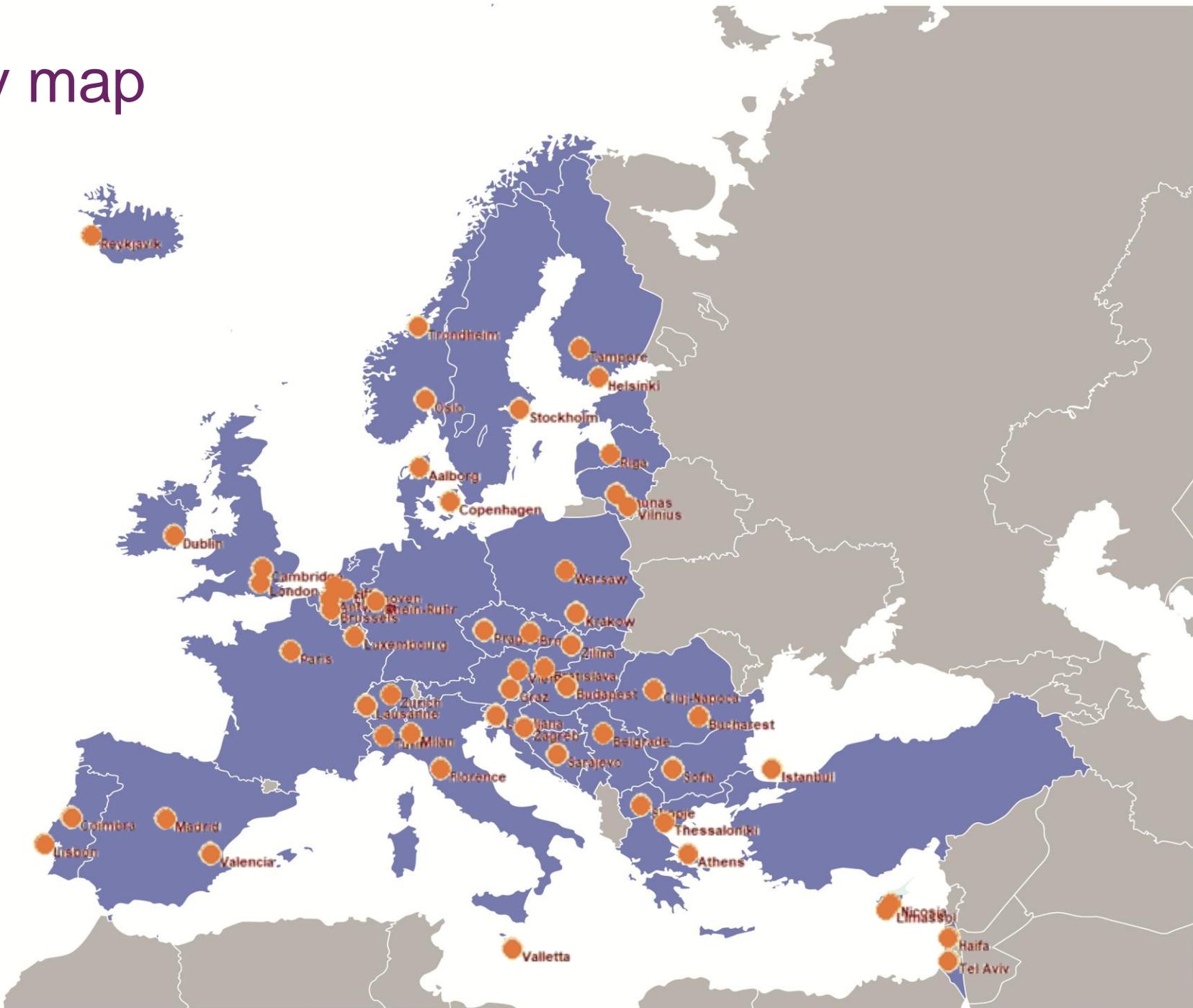
Dr Nikolas Thomopoulos – Main Proposer
Tbd - Bulgarian Representative

Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport

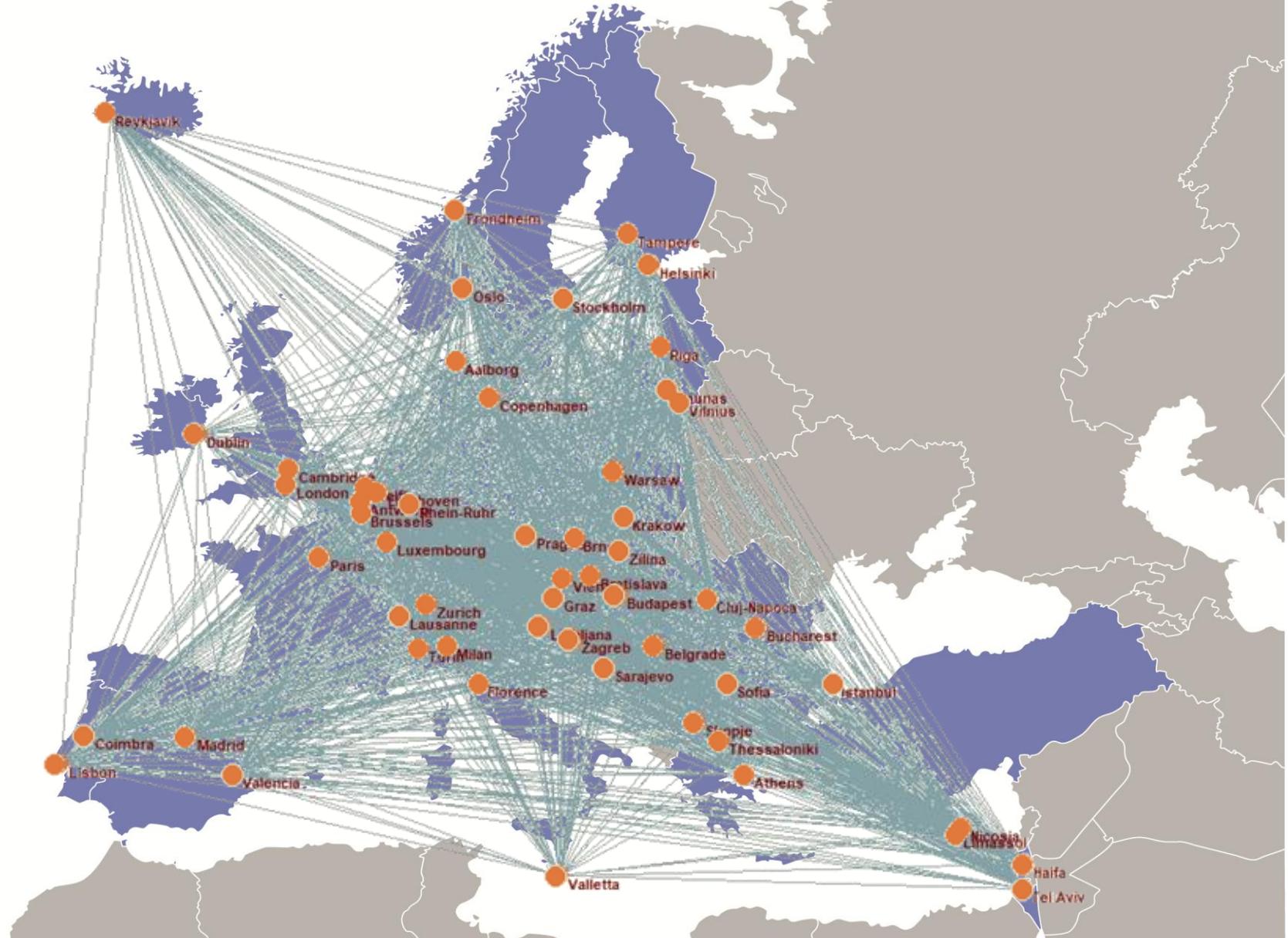
Code: CA16222; Status: starting; Coverage: **18** COST countries; Budget: **tbd**

Cities and Smart City networks

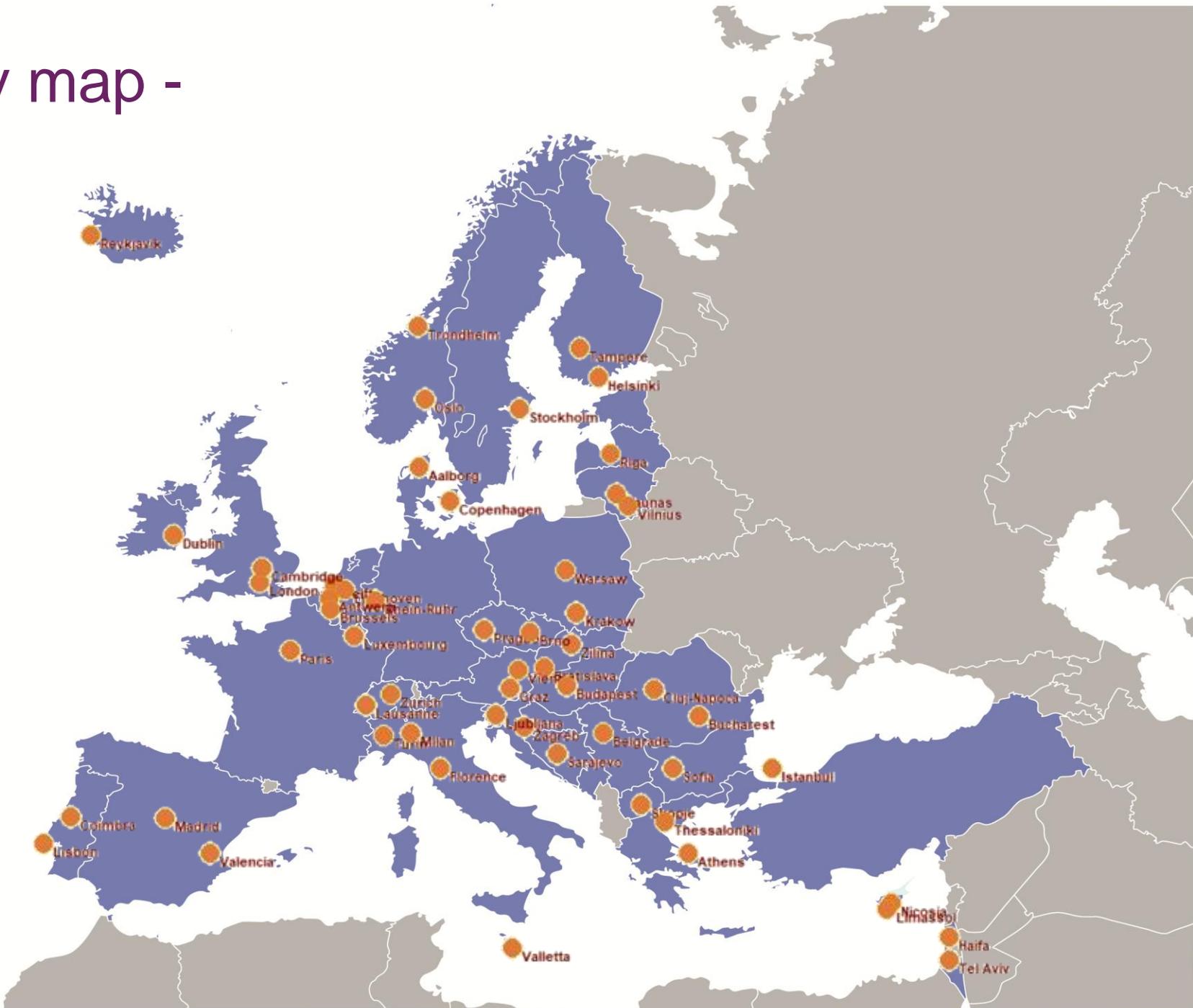
COST Smart City map



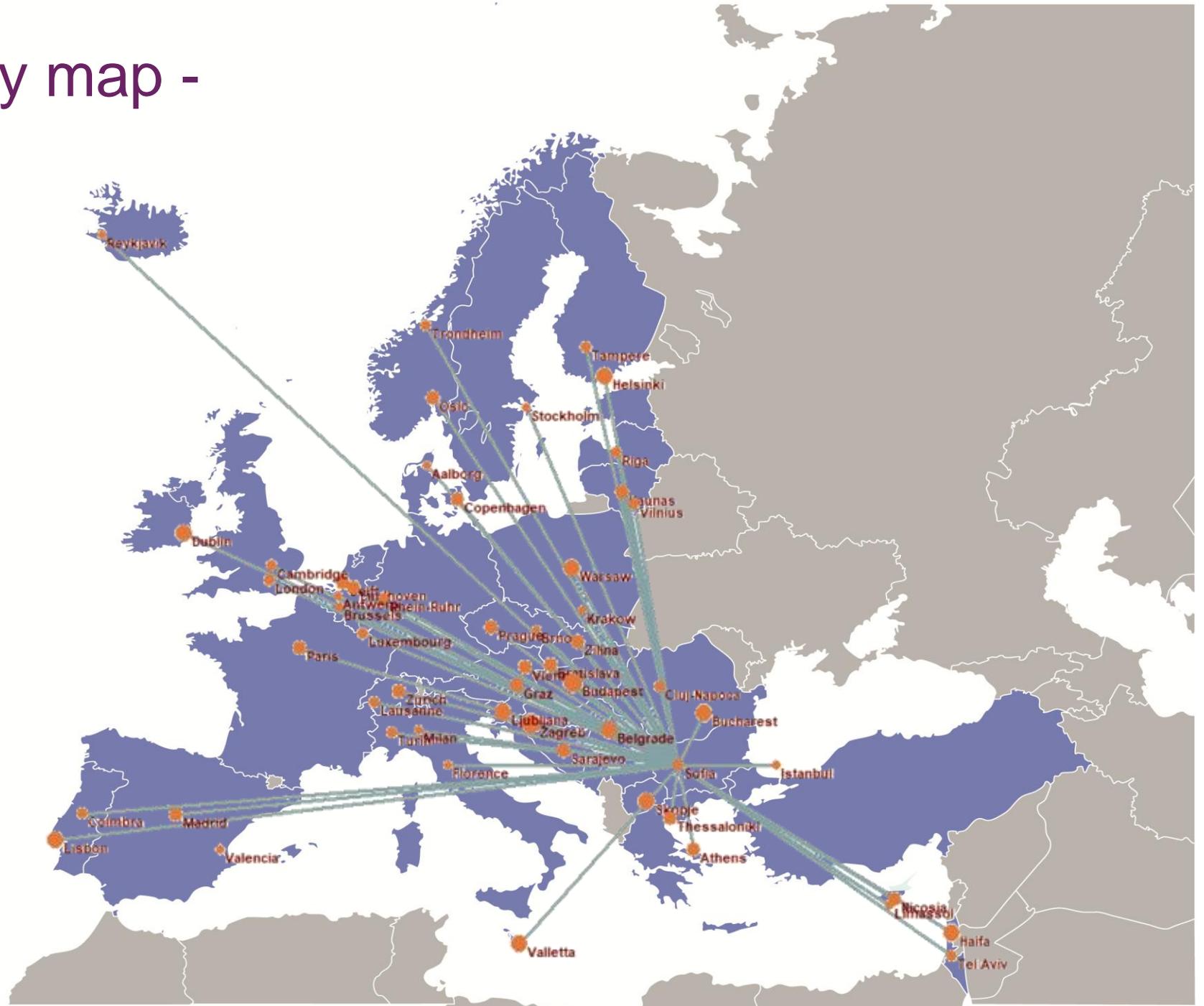
COST Smart City map



COST Smart City map - Sofia

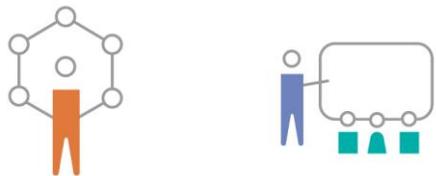


COST Smart City map - Sofia



How can cities manage (COST) knowledge networks?

Support / capitalise existing connections



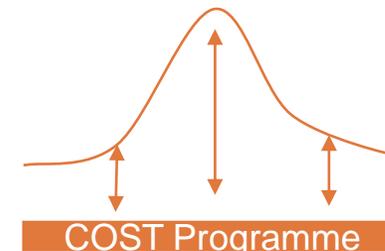
Engage in new connections



Support leadership

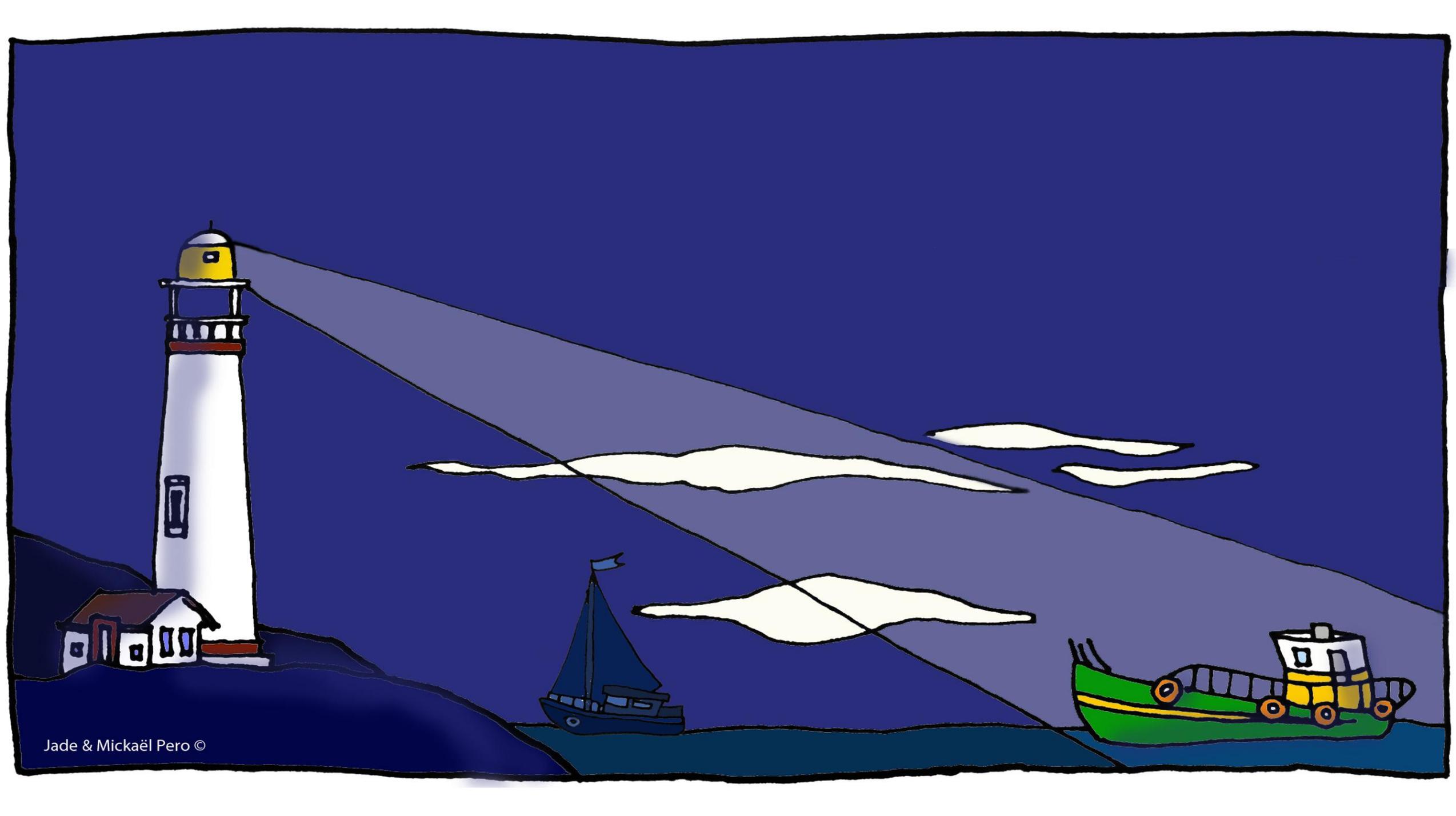


Identify synergies



Support Science administration





Thank you

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 @MickaelPero

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