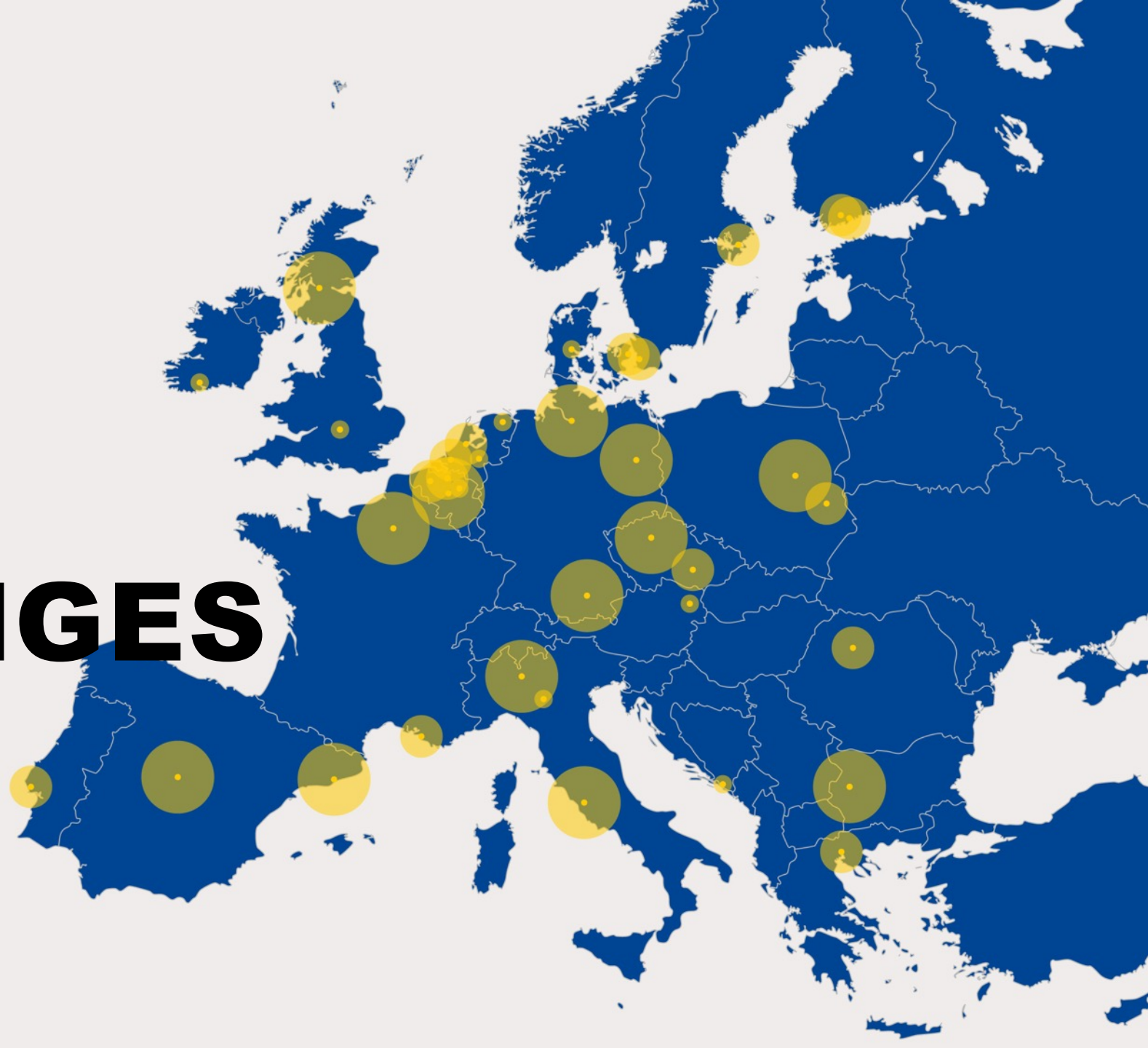




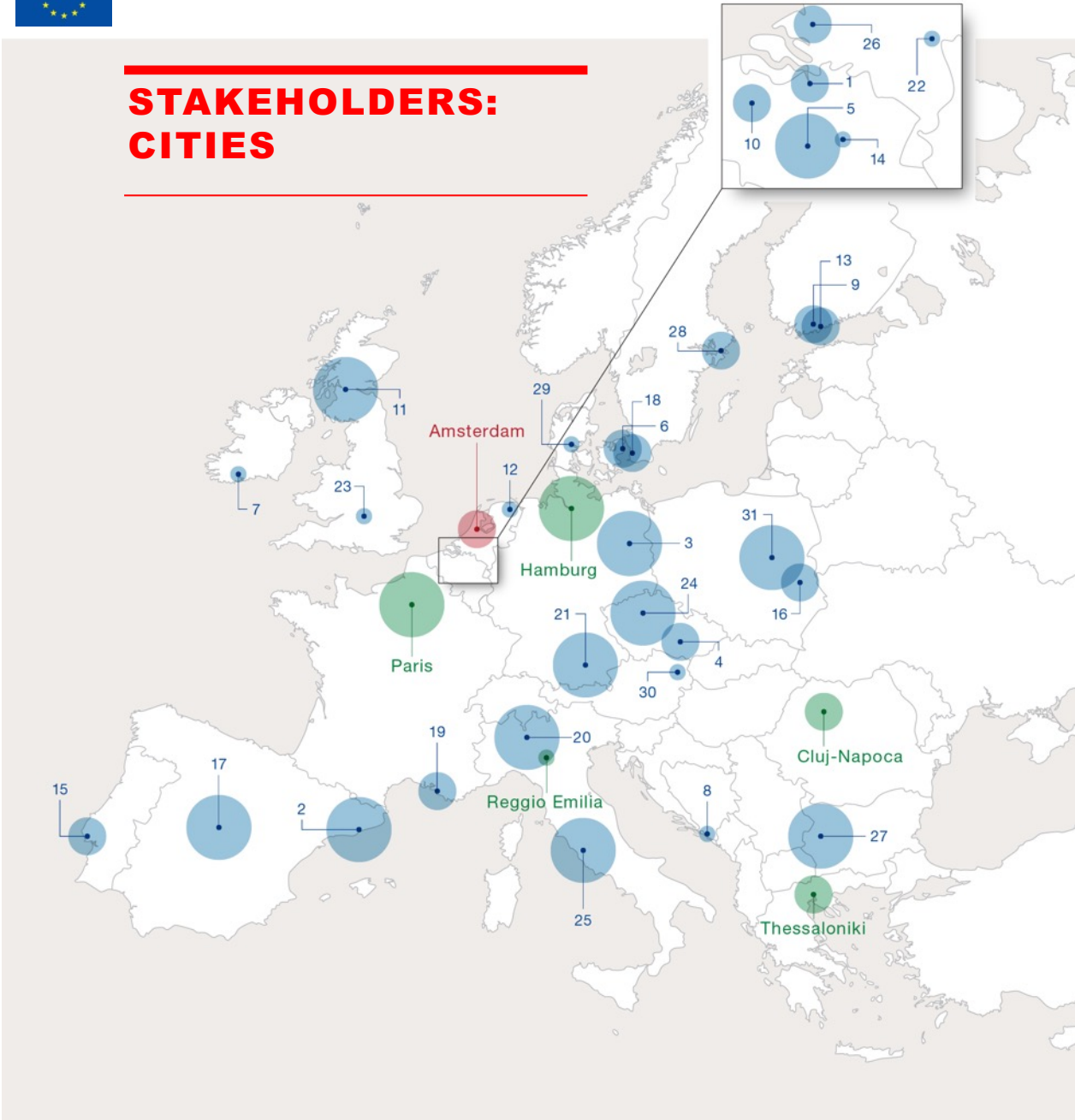
CITY SCIENCE FOR URBAN CHALLENGES

Pilot assessment and future potential of
the City Science Initiative
2019 – 2020

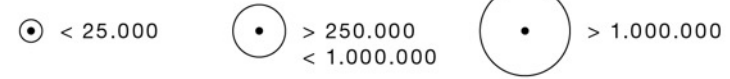




STAKEHOLDERS: CITIES



CITY SIZE BY POPULATION



INITIATING CITY



LEADING CITIES



PARTICIPATING CITIES

- | | | | |
|--------------|--------------|--------------|-------------|
| 7 Cork | 1 Antwerp | 26 Rotterdam | 2 Barcelona |
| 8 Dubrovnik | 4 Brno | 28 Stockholm | 3 Berlin |
| 12 Groningen | 6 Copenhagen | | 5 Brussels |
| 14 Leuven | 9 Espoo | | 11 Glasgow |
| 22 Nijmegen | 10 Gent | | 17 Madrid |
| 23 Oxford | 13 Helsinki | | 20 Milan |
| 29 Vejle | 15 Lisbon | | 21 Munich |
| 30 Vienna | 16 Lublin | | 24 Prague |
| | 18 Malmö | | 25 Rome |
| | 19 Marseille | | 27 Sofia |
| | | | 31 Warsaw |



STAKEHOLDERS: NETWORK

EUROCITIES

100 Resilient Cities

Covenant of Mayors

European Network of Living
Labs (ENoLL)

European Regions Research
and Innovation Network
(ERRIN)

European Union Knowledge
Network (EUKN)

UN Global Sustainability
Index Institute Foundation
(UNGSII)

ICLEI

International Urban
Cooperation

JPI Urban Europe

ThinkNature

UNICA: Network of
Universities from Capitals of
Europe

URBACT

STAKEHOLDERS: EUROPEAN COMMISSION

JRC

DG Research & Innovation

DG REGIO

DG CLIMA

DG CNECT

DG ENER

DG ENV

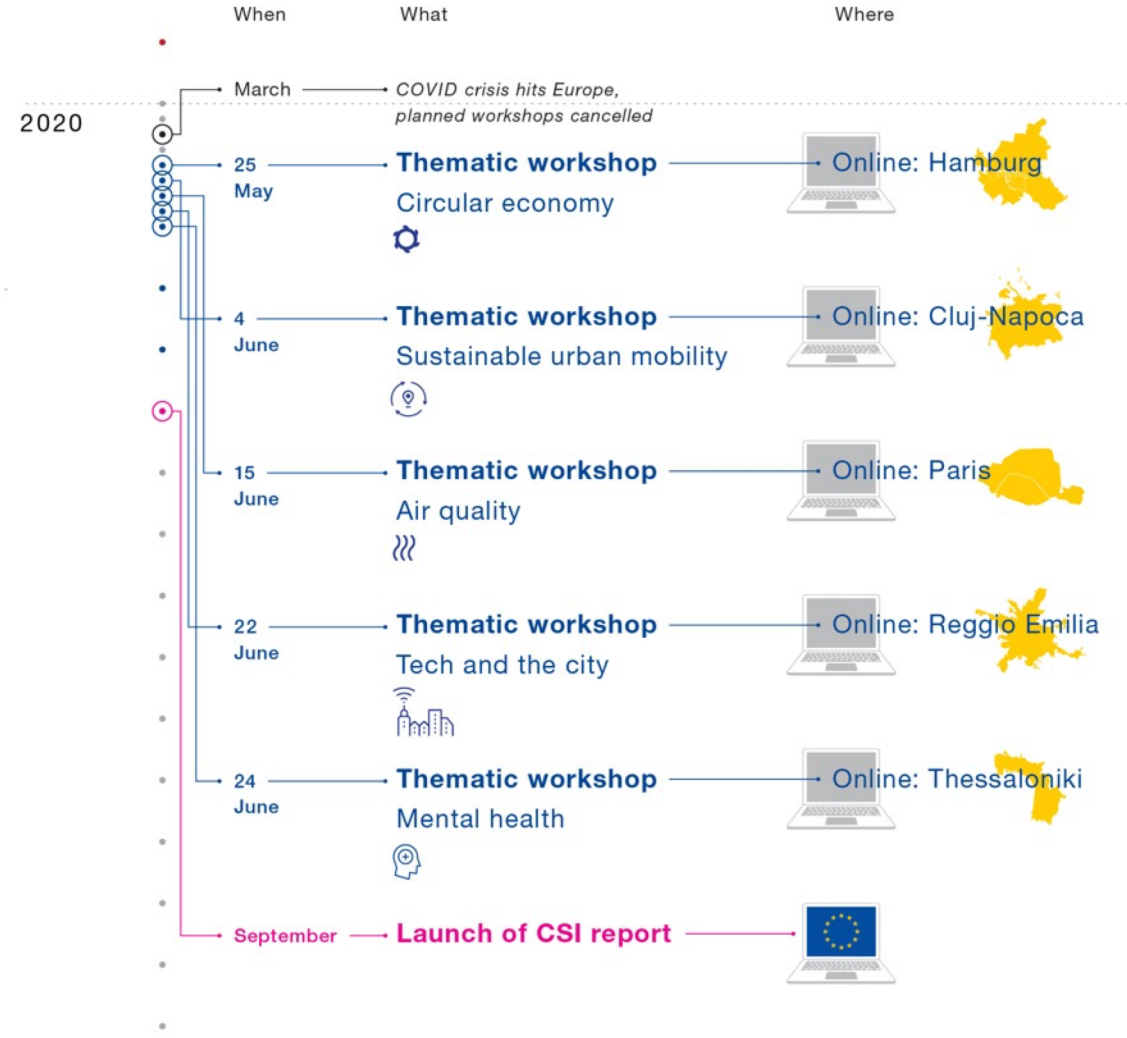
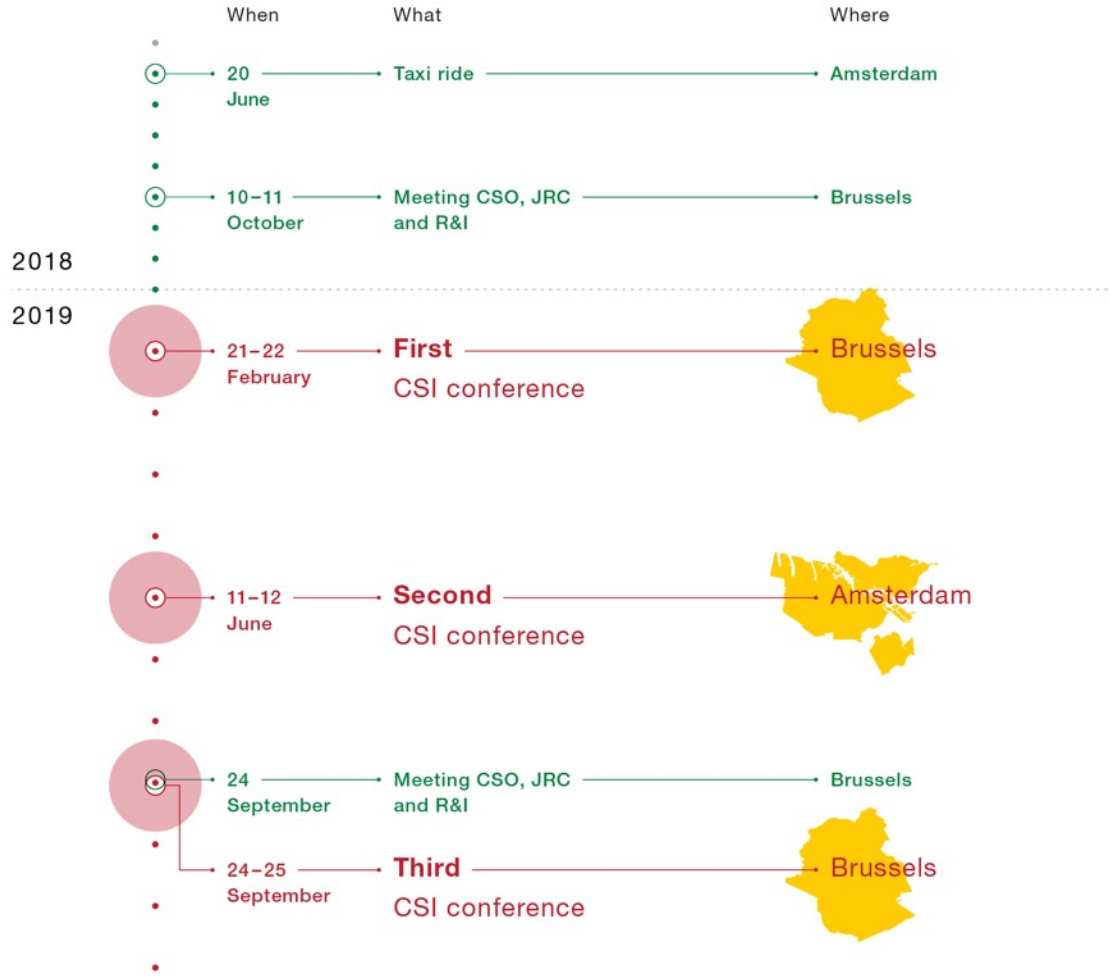
DG GROW

DG MOVE

EASME



CSI PILOT TIMELINE



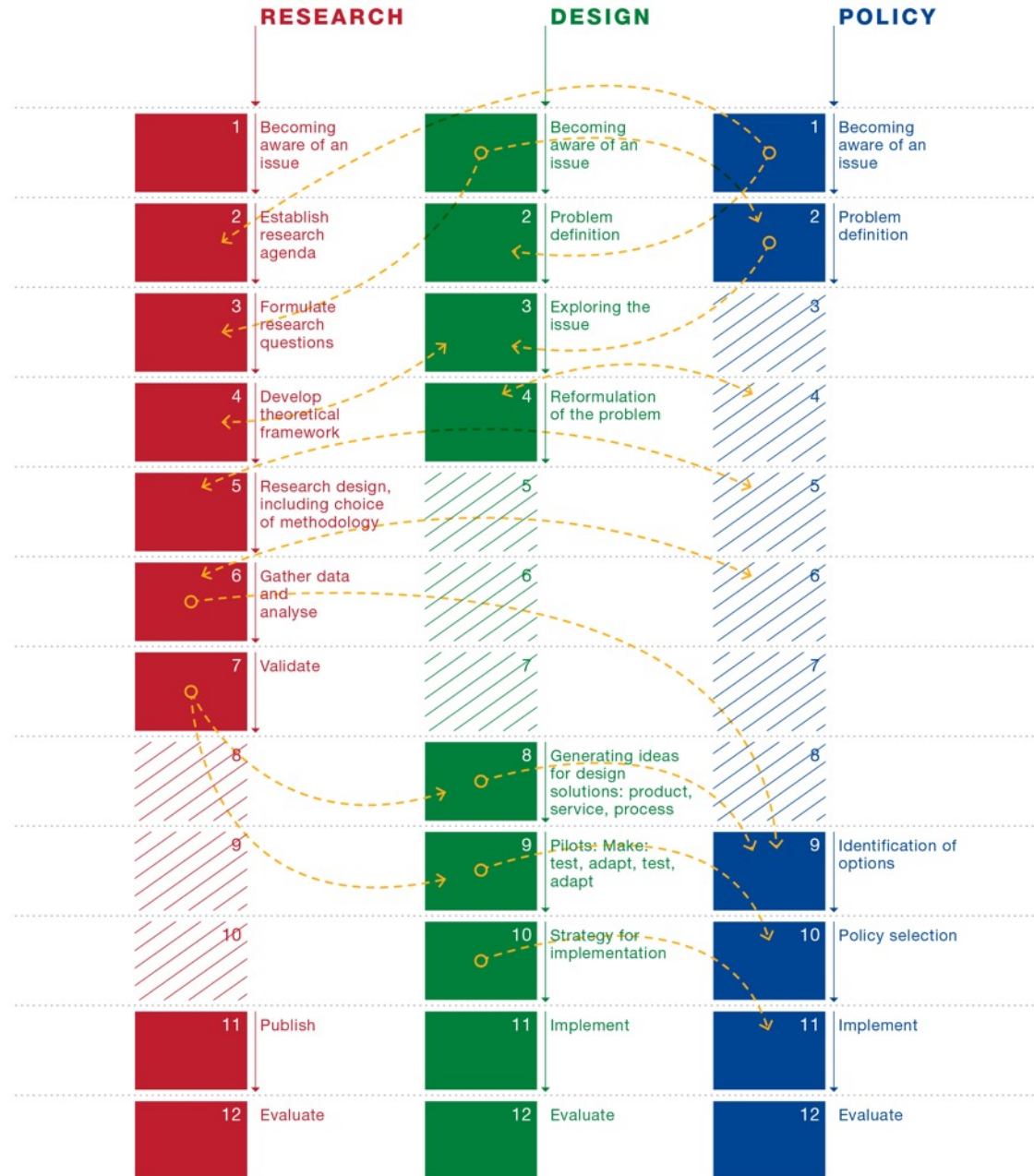


CITY SCIENCE

- Challenge based
- The city as complex system
- Integral nature of challenges
- Different kinds of knowledge for solutions
- Transdisciplinary in research questions
- Design contributing to the science-policy interaction
- Cities acquire data professionally
- Universities develop international reviewed methodologies
- Every step in research process is influenced by complexity of city challenges



CITY SCIENCE DYNAMICS



MAPPING CITY SCIENCE PRACTICES



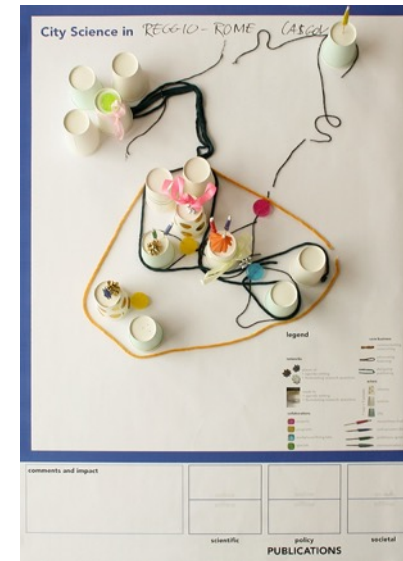
Warsaw



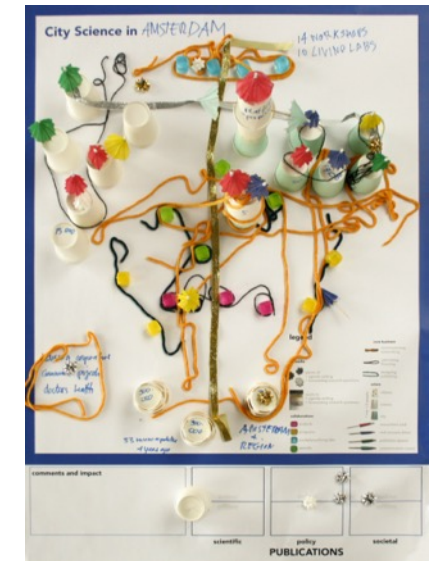
Cluj-Napoca



Lublin



Reggio Emilia



Amsterdam



CITY SCIENCE ISSUES

- Governance and finance of City Science
- Learning and communication between science and policy
- A need for a new research paradigm on City Science
- Need for data exchange
- Agency of city

THEMATIC WORKSHOPS



CIRCULAR ECONOMY
Hamburg



SUSTAINABLE URBAN MOBILITY
Cluj-Napoca



AIR QUALITY
Paris



TECH AND THE CITY
Reggio Emilia



MENTAL HEALTH
Thessaloniki



CSI ASKS TO:

- Improve the relevancy of European research for city challenges
- Give more support in translating the findings of European research into applicable solutions
- Improve the uptake of research on the local level
- Solve the lack of access to data is seriously impacting the possibility to make fact-based policies
- Make stronger supporting instruments to improve cooperation between cities themselves, universities and the Commission



CSI POTENTIAL:

- CSI is a communication environment for EU research results
- CSI is a learning environment for City Science practitioners
- CSI is a sounding board for networks, JRC and EU DG's
- CSI is a catalyst for generating challenge based research questions and designs
- CSI is a bridge to transdisciplinary urban research between different DG's in addressing city challenges
- CSI is a manifestation in cities of European way of life to which evidence based policymaking is core



LETTER FROM MAYORS

Given the societal urgency to find innovative approaches and solutions to the challenges European citizens will face in the coming years, we believe that there is a need to continue the City Science Initiative as a learning platform for urban research.

We can assure you that our cities stand ready to support the next phase of the CSI.

Marie-Christine
Lemardeley
Deputy Mayor of
Paris

Emil Boc
Mayor of Cluj-
Napoca

Konstantinos
Zervas
Mayor of
Thessaloniki

Luca Vecchi
Mayor of Reggio
Emilia

Almut Möller
State Secretary
of Hamburg

Femke Halsema
Mayor of
Amsterdam



Amsterdam	Dubrovnik	Lublin	Prague
Antwerp	Espoo	Madrid	Reggio Emilia
Barcelona	Gent	Malmö	Rome
Berlin	Glasgow	Marseille	Rotterdam
Brno	Groningen	Milan	Sofia
Brussels	Hamburg	Munich	Stockholm
Cluj-Napoca	Helsinki	Nijmegen	Thessaloniki
Copenhagen	Leuven	Oxford	Vejle
Cork	Lisbon	Paris	Vienna
			Warsaw

Thank you

For more information:

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r.raterink@amsterdam.nl

Report download:

<https://openresearch.amsterdam/nl/page/63027/city-science-for-urban-challenges>