

A satellite with large solar panels is shown in space, orbiting Earth. The background is a view of the planet's surface from space, with a blue and white color scheme. The satellite is the central focus, with its solar panels extending outwards.

SPACE4Cities Open Market Consultation

Space Business Forum 25.9.2024



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[#satellitedata](https://twitter.com/satellitedata)



[#urbanspace](https://twitter.com/urbanspace)



[#smartcity](https://twitter.com/smartcity)

SPACE4Cities mission:

Via a Pre-Commercial Procurement of innovative and smart use of satellite data, the SPACE4Cities project aims to build replicable solutions for better and more dynamic management of public areas, green spaces, transport infrastructure and city maintenance – and cities' overall resilience and functionality.

SPACE4Cities in Short

Pre-Commercial Procurement project, funded by Horizon Europe

- Method for public sector procurers to buy R&D from several suppliers in parallel
- Steer development of solutions that meet their needs
- 7 consortium partners: 5 cities + Aerospace Valley + Open & Agile Smart Cities network
- Budget 5.2 M€, **incl. 2.87M€ budget for SMEs/suppliers**

Timeline 42 months: February '24 to July '27

- Phases: Open Market Consultation; Solution Design; Prototyping; Field Testing; Exploitation and scaling

Piloting by the Buyers Group ('26 and '27)

- In 5 partner cities around Europe: Amsterdam, Helsinki, Ghent, Guimaraes, Athens
- Smaller pilots in 10 replicator cities
- Each of the 5 winning Suppliers pilots in 1+2 cities

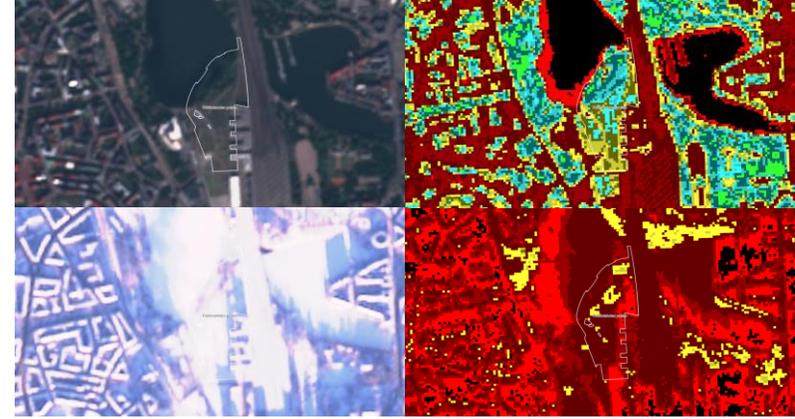
SPACE4Cities Challenge Themes

Tentative challenges will be published and discussed during the OMC. Challenges will include functional requirements and mandatory and nice-to-have requirements listed. Challenges will under following themes:

- **Urban Mobility**
 - Active transport mobility
 - Public transportation
- **Sustainability and Climate Adaptation**
 - Monitoring urban water, green spaces, heat, air quality
 - Disaster response and preparedness
- **Urban Planning and Management**
 - Simulations and digital twins
 - Infrastructure and maintenance
 - Crowd management, demographics, citizen participation
- **Wild Card**
 - Solutions not fitting the Challenge descriptions, but constitutes a use case fulfilling Buyers' Group needs.

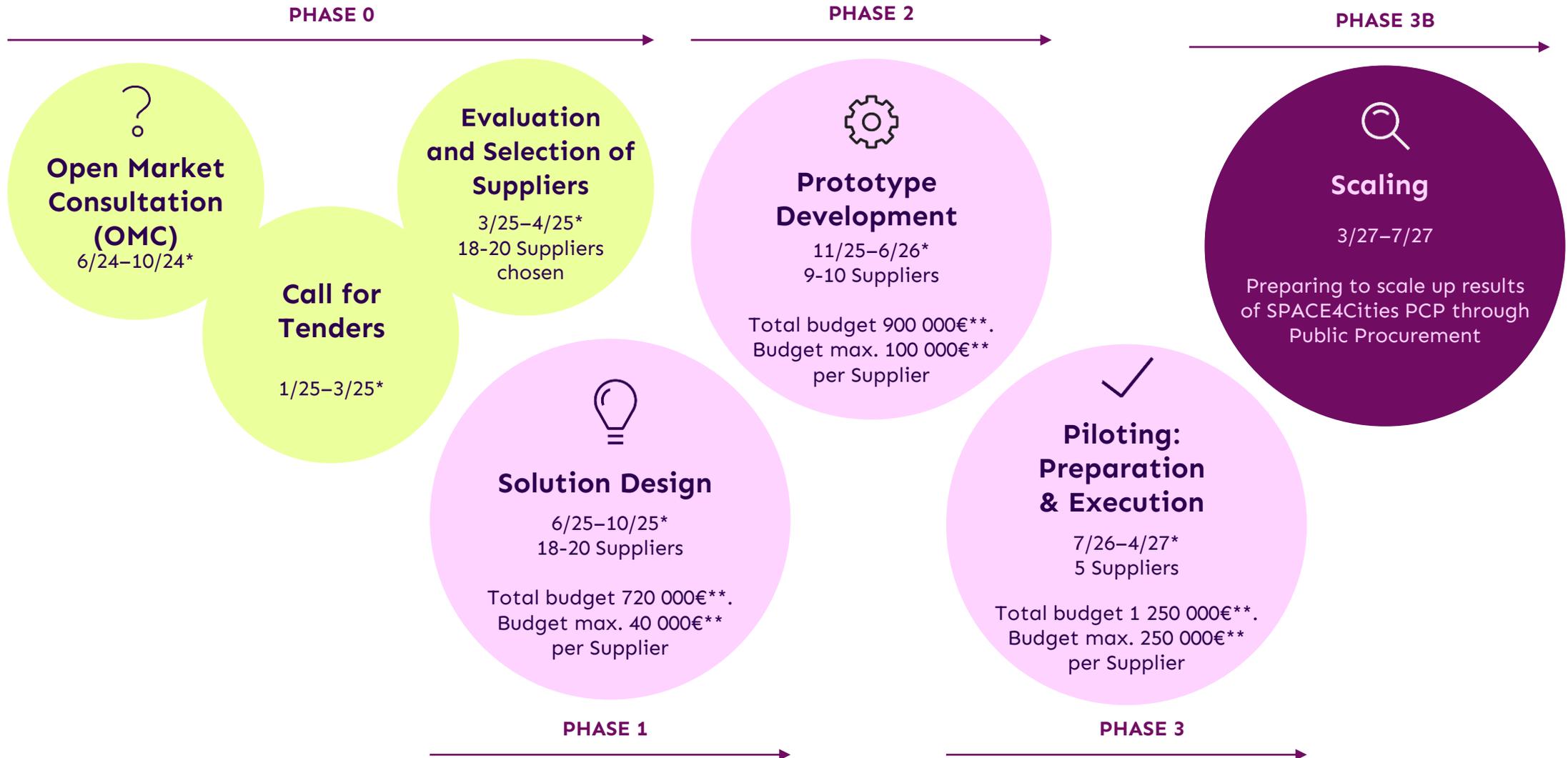
Satellite data can be complemented!

- Different mapping methods **not competing but complementing**. Best combinations need to be discovered
- **Combination with other data sources** possible (e.g. existing digital twin / city data)
- **Automation, analysis and AI technologies** allowed to implement to manage large datasets and produce insights.
- Each supplier is **required to use at least ESA's Galileo and/or Copernicus** services in their pilots.



Sentinel data 2023-2024 by Sentinel Hub.
Polygon © Helsinki - CC 4.0.

Pre-Commercial Procurement Process



(*) Dates, number of suppliers and budget are indicative until the Call for Tenders is published.

(**) Financial figures are VAT 0%. Total maximum budget per supplier 390 000€.

OMC Events & Webinars

Finnish National OMC Webinar

9 Oct -24

EU-wide OMC Webinars

Urban planning

28 Aug -24

Climate adaptation and resilience

26 Sept -24

Sustainable mobility

25 Oct -24

How to get involved?

1. Fill out the S4C [Supplier Survey](#)!
1. Join the S4C OMC Community on [LinkedIn](#)!
2. [QnA](#) available on the S4C website.
3. [Matchmaking Form](#) to facilitate Supplier partnerships!
4. Prepare your submission! CfT published in January -25

Any last questions for SPACE4Cities consortium or pitching organisations?

Contact:

Renske Martijnse-Hartikka, Project manager
Ari Kaukiainen, Project planner

questions@space4cities.eu

Project website
<http://space4cities.eu/>

LinkedIn:
<http://linkedin.com/company/space4cities/>



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