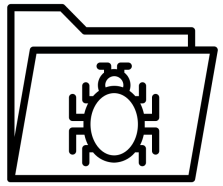
EUROQCI SPAIN

Securing our communications in Europe

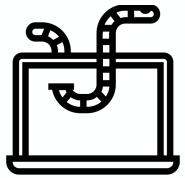
CYBER THREATS

RANSOMWARE

PHISHING

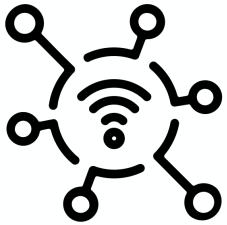


MALWARE

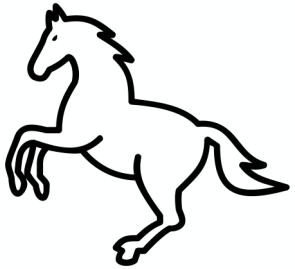


COMPUTER WORM

CYBERCRIME



INTERNET OF THINGS



TROJAN HORSE

SQL INJECTION

Funded by the European Union

EuroQCI

A secure quantum communication infrastructure spanning the whole EU, including its overseas territories

27 EU Member States

European Space Agency (ESA)

Ground

EUROQCI SPAIN

Space

DESIGN + DEVELOP + DEPLOY

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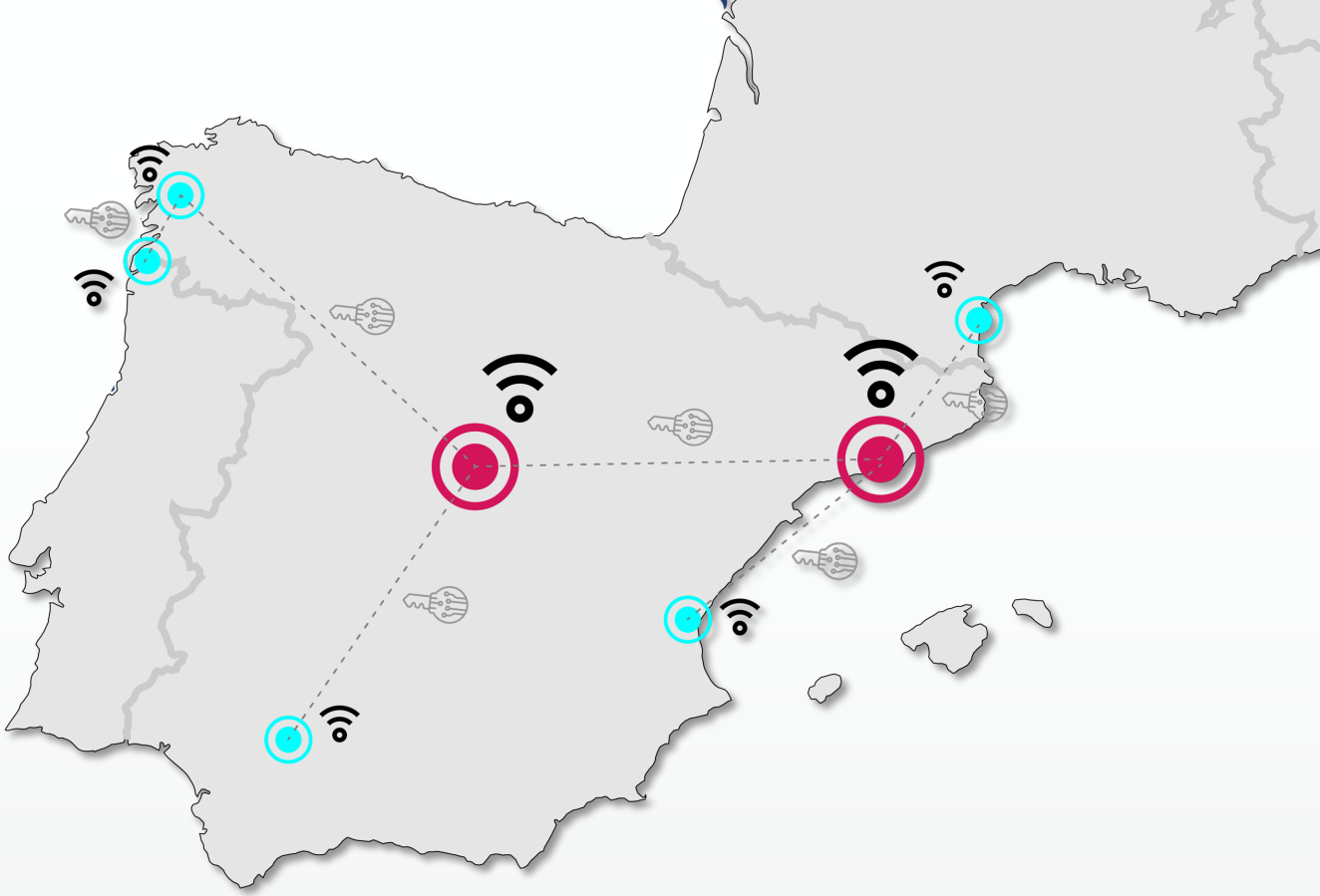
EUROQCI SPAIN

DESIGN

DEVELOP

INTEGRATE

DEPLOY



Bringing
Quantum Cryptography
to cities in Spain

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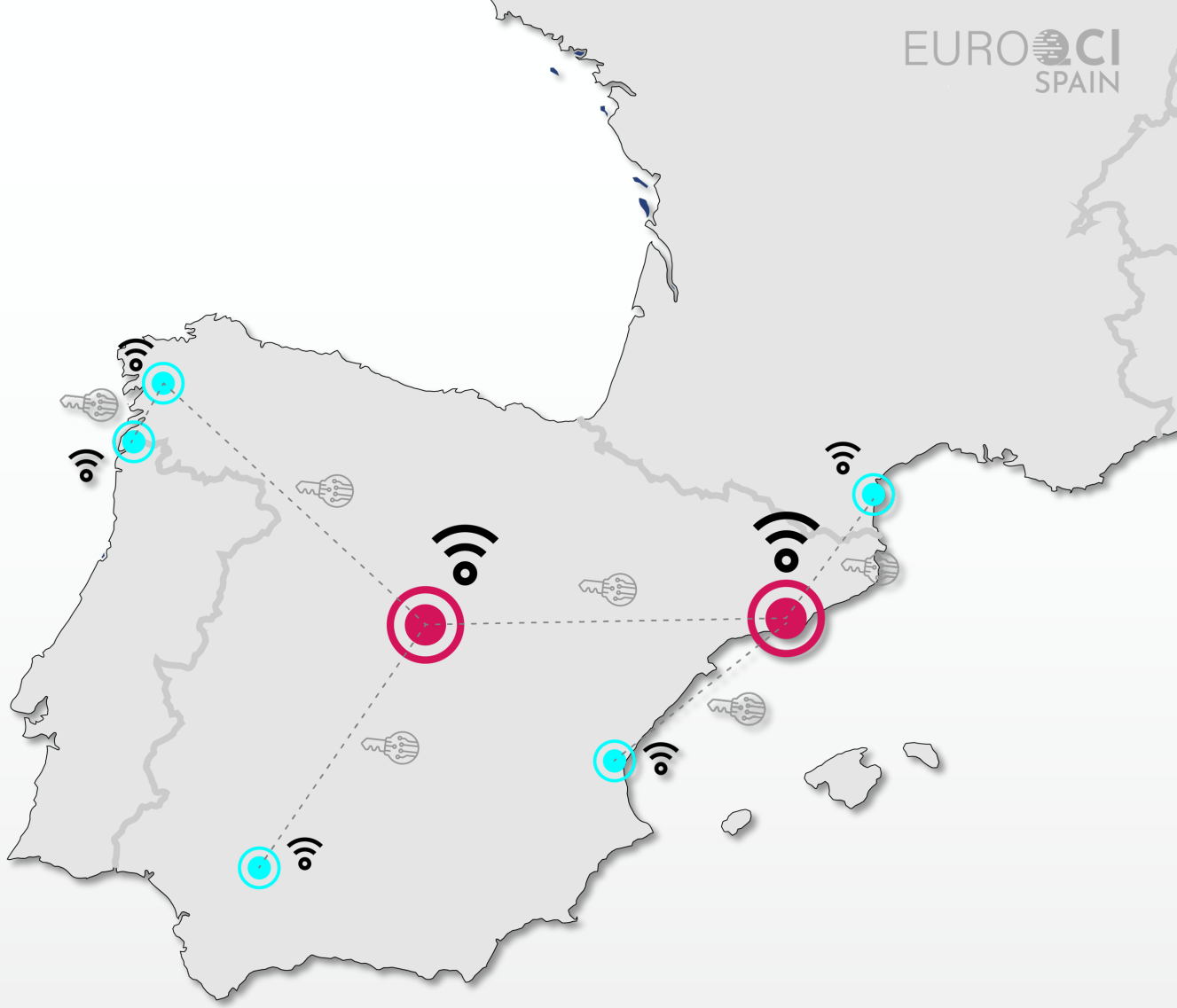
Funded by
the European Union

GOALS

1. Design the preliminary National architecture of EuroQCI in Spain, starting from Madrid (MAD) and Barcelona (BCN), and then extending to more locations.

2. Deploy QKD and cryptography systems and demonstrate their functionality in the field (BCN and MAD). And design the extension to additional cities.

3. Make quantum networks available first to public authorities and demonstrate use cases, developing a national-based quantum communication ecosystem, extended to the private sector in the future.



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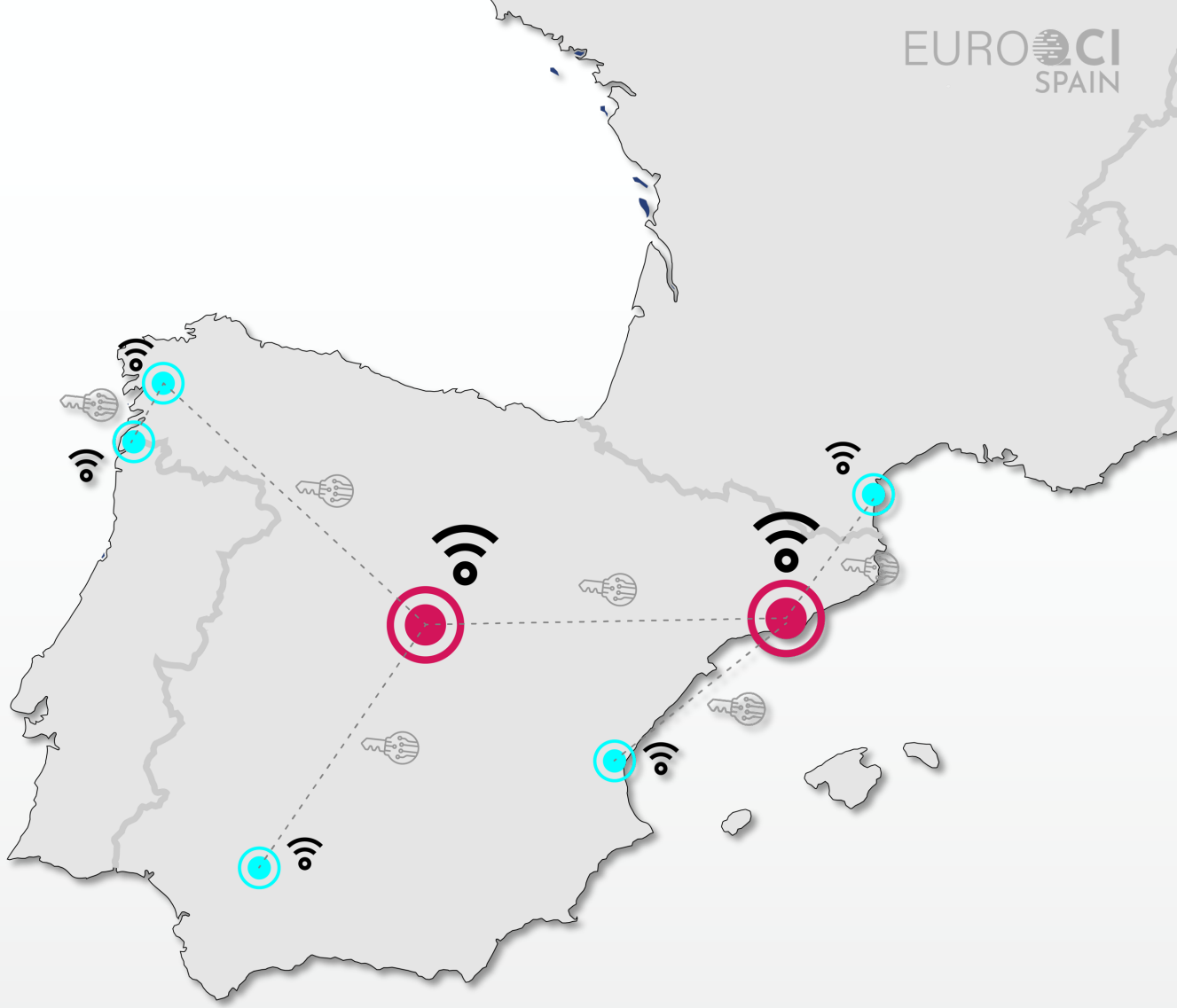
GOALS

4 Assess feasibility of free-space and long-distance quantum communication networks (including trusted nodes and quantum repeater demonstrators) compatible with the EuroQCI architecture, intracity and intercity, the latter in preparation of large-scale deployment of QCI beyond national borders.

5 Prepare for very long-distance links by studying the interface between QCI space and terrestrial segments.

6 Cooperate and participate with other Member States in the deployment plan and strategic efforts towards designing and building the EuroQCI system architecture.



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PARTNERS

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POLITÉCNICA

indra

tecnobit
grupo oesía

CSIC
Consejo Superior de Investigaciones Científicas

cellnex

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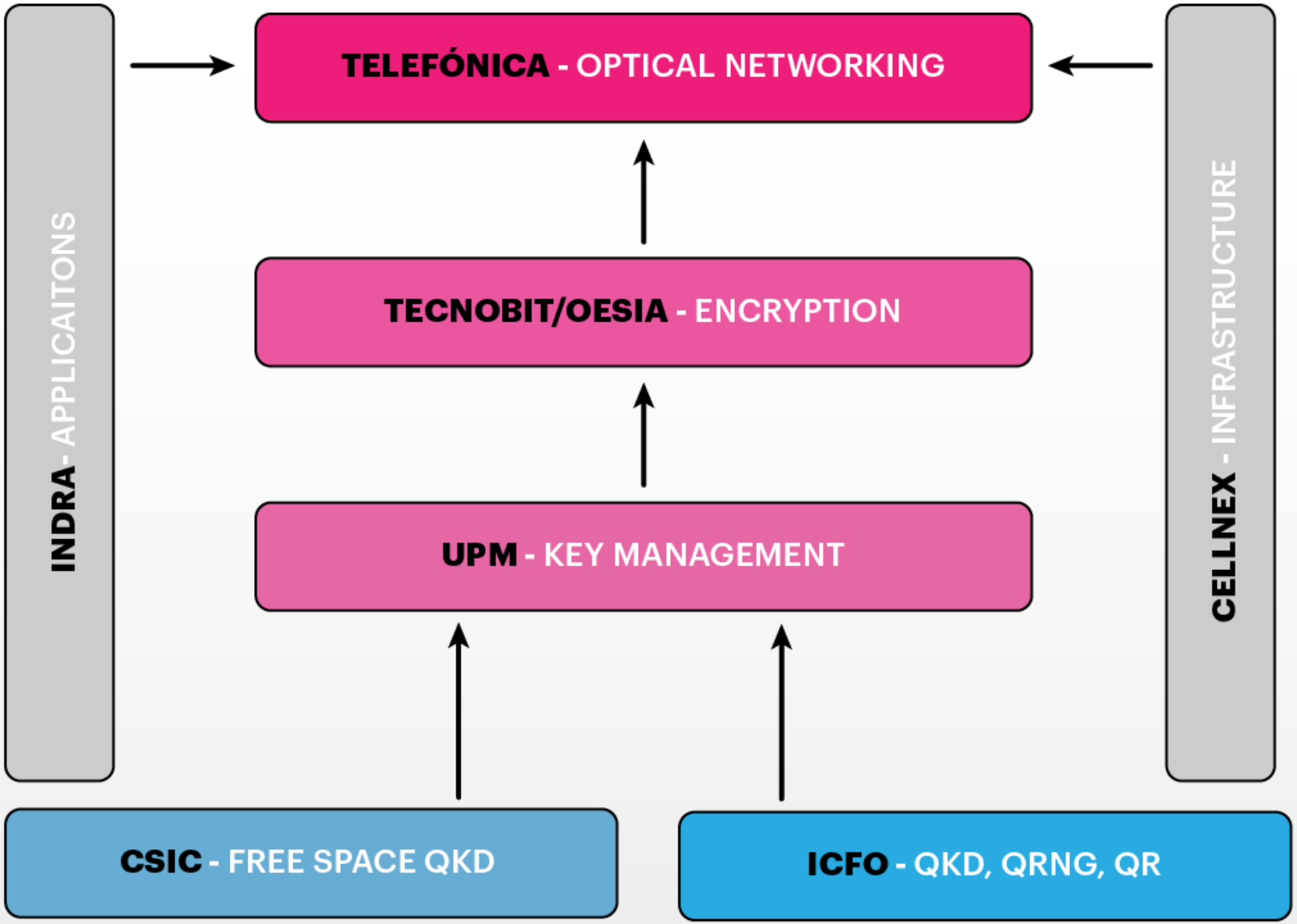

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EuroQCI Spain

is part of a

bigger program

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Petrus- EuroQCI

A secure quantum communication infrastructure spanning the whole EU, including its overseas territories

EuroQCI

21 NATIONAL DEPLYOMENTS

- Austria
- Bulgaria
- Cyprus
- Denmark
- Finland
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Luxembourg
- Latvia
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovakia
- Spain
- Sweden

PETRUS

EuroQCI

6 INDUSTRIAL DEVELOPMENTS

MDI QUEEN

eCausis

QKiss

QUARTER

equo

SEQRET