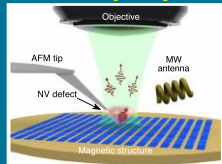


Science and engineering in Île-de-France Region for Quantum Technologies
www.sirteq.org

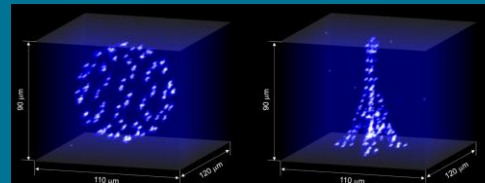
The SIRTEQ project labeled Major Interest Domain (DIM) is funded by the Île-de-France Region
21 partners, +728 permanent and non permanent researchers, 105 research groups, 32 laboratories, 5 COMUE

1. Quantum sensors and metrology: *the ultimate physical precision*



Micro-magnetometer
LAC Orsay, Thales

2. Quantum simulations: *beyond the computable*



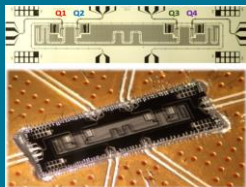
Single atoms trapped in
complex 3D structures, LCF
Palaiseau

3. Quantum communications: *security of data transfer.*



Integrated quantum cryptography, LIP6
Paris, LCF Palaiseau

4. Quantum computing: *an algorithmic revolution*



Quantum circuits with 4 superconducting qubits
SPEC / CEA Saclay

5. Enabling sciences and technologies:

- Identify and master the relevant physical systems
- Stimulate the technological innovations necessary



Artificial atoms and micro-cavities - C2N

6. Scientific activities, Valorization, training:

- Visibility of the network
- Dissemination of knowledge
- Entrepreneurship
- Valorization

