

# The Second Quantum Revolution is Transforming the World.

Decoding of Matter with novel methods and tools → get ready today !

## 1<sup>st</sup> Quantum Revolution:

understand & apply

→ ground-breaking: transistors, lasers etc.

## 2<sup>nd</sup> Quantum Revolution:

Identify, control, manipulate

→ exploit the potential

## Quantum Advantage:

Improvement versus

the best known conventional method

## Quantum Technologies: Rethinking of our methods

→ completely different principles

→ pioneering work improves already our classical methods

→ **maximizing our achievable scientific and economic success**

