

# Quantum anomalous Hall effect materials and devices for metrology: An EPM project

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## Abstract

Quantum anomalous Hall effect materials and devices for metrology (QuAHMET) is a Joint research Project of the European

Partnership on Metrology<sup>1</sup>. The project will focus on the traceable measurement and characterisation of quantum anomalous Hall effect (QAHE) materials as devices and primary resistance standard candidates.

The QuAHMET project consortium consists of 14 partners and gathers 7 leading European national metrology institutes (NMIs), a Japanese NMI for metrology, complemented by 6 globally recognized institutes from academia and applied research.

Within the project, the partners will explore and understand in-depth a new but scientifically grounded methodology for developing metrology grade QAHE devices, and to achieve higher operating temperatures and currents compared to the current state-of-the-art.

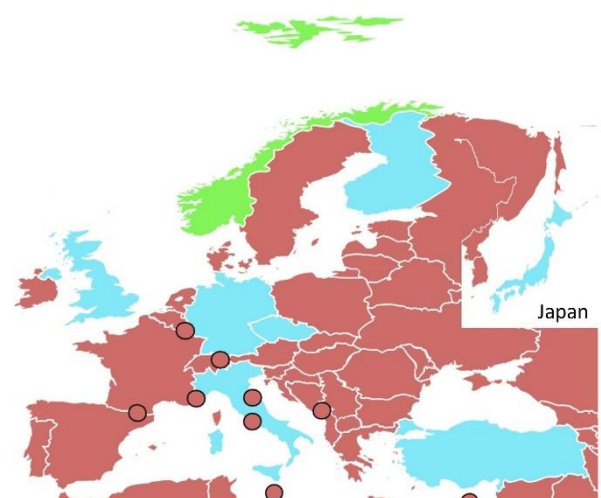
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## References

1. [European Partnership on Metrology \[Online\]](#)

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## Figure



**Figure 1:** Map showing geographical locations of QuAHMET Partners

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