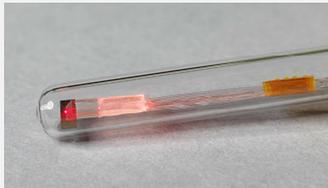
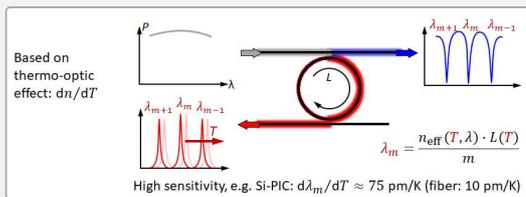
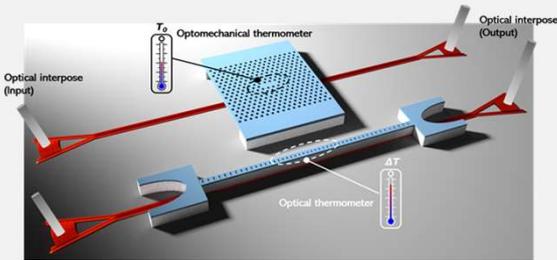




# 23FUN01 PhoQuS-T Project :

## Photonic and quantum sensors for practical integrated primary thermometry

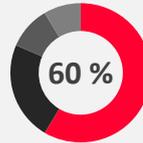


### Applications:

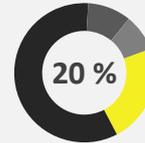
- Photonics/Semiconductors
- Quantum (computing, metrology)
- Cryogenics
- Aerospace
- Hydrogen energy
- Lab-on-a-chip
- Smart sensing



# PhoQuS-T



Basic Research  
3 working packages



Applications  
1 working package



Dissemination/Impact  
1 working package

Optomechanical noise thermometry (4 - 300 K)  
and quantum thermometry (< 10 K)

Advanced photonic thermometry  
(80 K to 500 K)

Robust fibre-to-chip coupling packaging  
solutions (4 K to 500 K)

Metrological validation and applications

Consortium



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or EURAMET. Neither the European Union nor the granting authority can be held responsible for them.

EUROPEAN PARTNERSHIP

Co-funded by the European Union

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METROLOGY PARTNERSHIP

EURAMET

UK Innovate UK

<https://phoqus-t.com/>

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EURAMET project page: <https://www.euramet.org/project-23fun01>