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Project acronym: **Q-ESSENCE**
Project title: **Quantum Interfaces, Sensors, and
Communication based on Entanglement**
Funding Scheme: **Collaborative Project (Large-Scale
Integrating Project)**



DELIVERABLE REPORT

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The main tasks of QESSENCE Meeting and Training Committee (MTC) is to make decision on proposals for research mobilities of individuals and on proposals for supports of scientific meetings (conferences, workshops and schools). The application forms for both these activities are available on the QESSENCE public website. The activities of MTC are coordinated by Mario Ziman.

Members of MTC

- 1) Mario Ziman, IPSAS, Bratislava
- 2) Antonio Acin , ICFO, Barcelona
- 3) Caslav Brukner, OEAW, Vienna
- 4) Susana Huelga, UULM, Ulm
- 5) Brian Smith, UOXF.DU, Oxford

The meetings and training committee already made decisions on several workshops and conferences scheduled for the third year of the project. The mobility scheme for young researchers was an important channel to give PhD students and postdocs interested in quantum information and technologies a chance to collaborate with other groups, strengthening connections of the project partners with the entire quantum information community. The support covered expenses related to short-term visits.

Supported conferences and workshops:

- QIP 2011 Workshop, Singapore 5,000 EUR
- Quantum Science and Technologies, Rovereto, Italy 10,000 EUR
- Scottish Universities Summer Schools in Physics: Quantum Information and Coherence, Glasgow 9,350 EUR
- Cluster Review 2011, Warsaw, Poland, 2,250 EUR
- Signatures of Quantumness in Complex Systems, Nottingham, UK, 2,500 EUR
- CEQIP 2011, Znojmo, Czech Republic, 2,900 EUR
- Workshop on superconducting single-photon detectors, Eindhoven, Netherlands, 2,500 EUR
- International Symposium “Quantum Metrology with Photons and Atoms”, Toruń, Poland 1,000 EUR
- QIPC 2011, Zurich, Switzerland 10,000 EUR
- 44 Symposium on Mathematical Physics “New Development in the Theory of Open Quantum Systems”, Toruń, Poland, 7,400 EUR
- PhD Summer School on quantum and nonlinear optics, Sandbjerg Estate, Denmark, 5,000 EUR
- QuAMP2012 Summer School, Belfast, UK, 4,000 EUR
- Noise and Non Markovianity Workshop, Ulm, Germany, 3,000 EUR
- ICAP 2012, Plaiseau, France, 3,000 EUR
- CEQO 2012, Sinaia, Romania, 5,000 EUR
- QCMC 2012, Vienna, Austria, 5,000 EUR
- Workshop on Quantum Simulations, Bilbao, Spain, 5,000 EUR
- Equilibration and thermalisation in quantum systems, Stellenbosh, South Africa, 8,000 EUR

Supported mobilities:

- Tom Lawson, UoB → Id Quantique, 200 EUR
- Marcin Pawłowski, UoB → ICFO 800 EUR
- Marcus Cramer, UULM→ ICFO,
- Michele Dall'Arno, ICFO→Henrich–Heine University,
- Mateo Canale, Padova University → idQ,
- Rodrigo Gallego Lopez, ICFO →FUB,
- Christoph Soeller, UOXF → Geneva University,
- Issam Ibnouhsien, SEA Saclay → OEAW,
- Craig Hamilton, Czech Technical University → UPB,
- Jasleen Lugani, Indian Institute of Technology→ UWAW,
- Sammy Ragy, University of Nottingham →UWAW,
- David Bruschi, University of Nottingham →UWAW,
- Gonazalo de la Torre, ICFO → UoB,
- Martin Frass, ETH →UWAW