

**EUROPEAN INNOVATION COUNCIL PATHFINDER FET OPEN
NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES**
Cut-off date: 24 January 2019

Acronym	Title	Participants	Role	Country	EU contribution
ADAM^2	Analysis, Design, And Manufacturing using Microstructures	1. BCAM - BASQUE CENTER FOR APPLIED MATHEMATICS 2. TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY 3. ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE 4. UNIVERSIDAD DEL PAIS VASCO/ EUSKAL HERRIKO UNIBERTSITATEA 5. INSTITUT NATIONAL DE RECHERCHE ENINFORMATIQUE ET AUTOMATIQUE 6. RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN 7. TRIMEK SA 8. STRATASYS LTD 9. HUTCHINSON SA 10. SEOUL NATIONAL UNIVERSITY	Coordinator Partner Partner Partner Partner Partner Partner Partner Partner Partner Partner	ES IL CH ES FR DE ES IL FR KR	2.999.903,75 €
AlternativesToGd	Hyperpolarised MR technologies and molecular probes as alternatives for conventional metal-containing contrast agents for MRI examinations	1. HADASSAH MEDICAL ORGANIZATION 2. UNIVERSITA DEGLI STUDI DI TORINO 3. DANMARKS TEKNISKE UNIVERSITET 4. UNIVERSITAET ULM 5. THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD 6. RS2D 7. MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV 8. THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE 9. EIBIR GEMEINNUETZIGE GMBH ZUR FOERDERUNG DER ERFORSCHUNG DER BIOMEDIZINISCHEN BILDGEBUNG 10. FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA	Coordinator Partner Partner Partner Partner Partner Partner Partner Partner Partner Partner	IL IT DK DE UK FR DE UK AT IT	3.065.956,25 €
APRICOT	Anatomically Precise Revolutionary Implant for bone Conserving Osteoarthritis Treatment	1. UNIVERSITY OF SOUTHAMPTON 2. FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3. AURORA MEDICAL LTD 4. TECHNISCHE UNIVERSITAET MUENCHEN 5. EURICE EUROPEAN RESEARCH AND PROJECT OFFICE GMBH 6. UNIVERSITEIT TWENTE 7. GOETEBORG'S UNIVERSITET	Coordinator Partner Partner Partner Partner Partner Partner Partner	UK DE UK DE DE NL SE	3.253.045,00 €
BLOC	Benchtop NMR for Lab-On-Chip	1. FUNDACIO INSTITUT DE BIOENGINYERIA DE CATALUNYA 2. OXFORD INSTRUMENTS INDUSTRIAL PRODUCTS LIMITED 3. MULTIWAVE TECHNOLOGIES AG 4. CONSORCI INSTITUT D'INVESTIGACIONS BIOMEDIQUES AUGUST PI I SUNYER	Coordinator Partner Partner Partner	ES UK CH ES	2.911.780,00 €
BOHEME	Bio-Inspired Hierarchical MetaMaterials	1. UNIVERSITA DEGLI STUDI DI TRENTO 2. EIDGENOSSISCHE MATERIALPRUFUNGS- UND FORSCHUNGSANSTALT 3. IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE 4. INSTYTUT MASZYN PRZEPŁYWOWYCH IM ROBERTA SZEWALSKIEGO POLSKIEJ AKADEMII NAUK - IMP PAN 5. EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH 6. UNIVERSITA DEGLI STUDI DI TORINO 7. MULTIWAVE TECHNOLOGIES AG 8. PHONONIC VIBES	Coordinator Partner Partner Partner Partner Partner Partner Partner	IT CH UK PL CH IT CH IT	3.226.250,00 €
BioCombs4Nanofibers	Antiadhesive Bionic Combs for Handling of Nanofibers	1. UNIVERSITAT LINZ 2. RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN 3. FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS 4. BUNDESANSTALT FUER MATERIALFORSCHUNG UND -PRUEFUNG 5. INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA LASERILOR PLASMEI SI RADIATIEI 6. ELMARCO SRO 7. UNIVERSITY OF NEW SOUTH WALES	Coordinator Partner Partner Partner Partner Partner Partner	AT DE EL DE RO CZ AU	3.049.050,00 €
CLASSY	Cell-Like 'Molecular Assembly Lines' of Programmable Reaction Sequences as Game-Changers in Chemical Synthesis	1. UNIVERSIDAD AUTONOMA DE MADRID 2. BEN-GURION UNIVERSITY OF THE NEGEV 3. EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH 4. STICHTING KATHOLIEKE UNIVERSITEIT 5. UNIVERSITAET GRAZ 6. MICRONIT MICROTECHNOLOGIES BV 7. ACCELOPMENT AG	Coordinator Partner Partner Partner Partner Partner Partner	ES IL CH NL AT NL CH	3.078.073,75 €
DROP-IT	DRop-on demand flexible Optoelectronics & Photovoltaics by means of Lead-Free	1. UNIVERSITAT DE VALENCIA 2. UNIVERSITAT DE BARCELONA	Coordinator Partner	ES ES	3.461.344,00 €

	halide perovskITes	3. UNIVERSITAT JAUME I DE CASTELLON 4. EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH 5. INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE RENNES 6. FUNDACJA SAULE RESEARCH INSTITUTE 7. SAULE SP ZOO 8. AVANTAMA AG	Partner Partner Partner Partner Partner Partner Partner	ES CH FR PL PL CH	
DynAMic	Dynamic adaptive microscopy for label-free multi-parametric imaging in biology and medicine	1. FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS 2. TECHNISCHE UNIVERSITAET MUENCHEN 3. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS 4. THE UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS 5. EBERHARD KARLS UNIVERSITAET TUEBINGEN 6. RAYFOS LTD 7. IMAGINE OPTIC	Coordinator Partner Partner Partner Partner Partner Partner	EL DE FR UK DE UK FR	3.957.137,50 €
ENABLED	Engineered Artificial Proteins for Biological Light-Emitting Diodes	1. FUNDACION IMDEA MATERIALES 2. ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES- CIC biomaGUNE 3. UNIVERSITA DEGLI STUDI DI TORINO 4. ABIEL SOCIETA A RESPONSABILITA LIMITATA 5. UNIVERSIDAD DE OVIEDO 6. TECHNISCHE UNIVERSITAET GRAZ	Coordinator Partner Partner Partner Partner Partner Partner	ES ES IT IT ES AT	2.687.657,50 €
ElectroMed	Electrochemically-enabled high-throughput peptidomics for next-generation precision medicine	1. LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY 2. UNIVERSITEIT TWENTE 3. UNIVERSITY OF GLASGOW 4. UNIVERSIDAD POMPEU FABRA 5. KOBENHAVNS UNIVERSITET 6. ELVESYS SAS	Coordinator Partner Partner Partner Partner Partner	LU NL UK ES DK FR	2.999.167,50 €
EndoMapper	EndoMapper: Real-time mapping from endoscopic video	1. UNIVERSIDAD DE ZARAGOZA 2. UNIVERSITE CLERMONT AUVERGNE 3. ODIN MEDICAL LTD 4. UNIVERSITY COLLEGE LONDON	Coordinator Partner Partner Partner	ES FR UK UK	3.697.227,50 €
FATMOLS	FAult Tolerant MOlecular Spin processor	1. AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS 2. THE UNIVERSITY OF MANCHESTER 3. UNIVERSITA DEGLI STUDI DI PARMA 4. UNIVERSITAET STUTTGART 5. WOLFGANG PAULI INSTITUT 6. THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD 7. UNIVERSITAT DE BARCELONA 8. UNIVERSITA DEGLI STUDI DI FIRENZE 9. UNIVERSITAT DE VALENCIA 10. KEYSIGHT TECHNOLOGIES SPAIN SL 11. IBM RESEARCH GMBH	Coordinator Partner Partner Partner Partner Partner Partner Partner Partner Partner Partner Partner	ES UK IT DE AT UK ES IT ES ES CH	3.207.081,25 €
FLIX	FLow chemistry for Isotopic eXchange	1. COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 2. INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE 3. LEIBNIZ - INSTITUT FUR KATALYSE EV AN DER UNIVERSITAT ROSTOCK 4. AARHUS UNIVERSITET 5. TECHNISCHE UNIVERSITEIT EINDHOVEN 6. COMINNEX KUTATAS-FEJLESZTESI ZARTKOERUEN MUKOEDOE RESZVENYTARSASAG 7. ABSISKEY	Coordinator Partner Partner Partner Partner Partner Partner	FR FR DE DK NL HU FR	3.469.740,00 €
FUNGAR	Fungal architectures	1. UNIVERSITY OF THE WEST OF ENGLAND, BRISTOL 2. DET KONGELIGE DANSKE KUNSTAKADEMIS SKOLER FOR ARKITEKTUR, DESIGN OG KONSERVERING. 3. MOGU SRL 4. UNIVERSITEIT UTRECHT	Coordinator Partner Partner Partner	UK DK IT NL	2.856.682,50 €
FreeATPOC	Towards an instrument-free future of molecular diagnostics at the point-of-care	1. FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS 2. INSTITUT PASTEUR 3. CONSIGLIO NAZIONALE DELLE RICERCHE 4. GNOSIS DATA ANALYSIS PC 5. UNIVERSITY COLLEGE LONDON HOSPITALSNHS FOUNDATION TRUST	Coordinator Partner Partner Partner Partner	EL FR IT EL UK	3.052.500,00 €
I-GENE	In-vivo Gene Editing by NanotransducErs	1. UNIVERSITA DI PISA 2. PROCHIMIA SURFACES SP. Z O.O. 3. FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA 4. LIONIX INTERNATIONAL BV 5. M-SQUARED LASERS LIMITED	Coordinator Partner Partner Partner Partner	IT PL IT NL UK	2.994.878,75 €
IN-FET	Ionic Neuromodulation For Epilepsy Treatment	1. UNIVERSITEIT ANTWERPEN 2. UNIVERSITE DE GENEVE 3. IBM RESEARCH GMBH	Coordinator Partner Partner	BE CH CH	3.369.758,75 €

		4. 5. 6.	THE UNIVERSITY OF SHEFFIELD CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LA NANOELETTRONICA MULTI CHANNEL SYSTEMS MCS GMBH	Partner Partner Partner	UK IT DE	
IQLev	Inertial Sensing Based on Quantum-Enhanced Levitation Systems	1. 2. 3. 4. 5.	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH UNIVERSITAET WIEN UNIVERSITAET INNSBRUCK FUNDACIO INSTITUT DE CIENCIES FOTONIQUES IXBLUE	Coordinator Partner Partner Partner Partner	CH AT AT ES FR	2.612.471,25 €
LIGHT4LUNGS	Inhalable Aerosol Light Source for Controlling Drug-Resistant Bacterial Lung Infections	1. 2. 3. 4. 5. 6. 7. 8.	INSTITUT QUIMIC DE SARRIA UNIVERSITA DEGLI STUDI DI FIRENZE SORBONNE UNIVERSITE FUNDACIO PRIVADA INSTITUT CATALA D'INVESTIGACIO QUIMICA UNIVERSITA DEGLI STUDI DI PADOVA CARDIFF SCINTIGRAPHICS LIMITED THE UNIVERSITY OF LIVERPOOL WEDO PROJECT INTELLIGENCE MADE EASY SL	Coordinator Partner Partner Partner Partner Partner Partner Partner	ES IT FR ES IT UK UK ES	3.493.625,00 €
MOAMMM	Multi-scale Optimization for Additive Manufacturing of fatigue resistant shock-absorbing MetaMaterials	1. 2. 3. 4. 5.	UNIVERSITE DE LIEGE UNIVERSITE CATHOLIQUE DE LOUVAIN FUNDACION IMDEA MATERIALES UNIVERSITAT LINZ CIRP GmbH	Coordinator Partner Partner Partner Partner	BE BE ES AT DE	3.516.831,25 €
NEUREKA	A smart, hybrid neural-computo device for drug discovery	1. 2. 3. 4. 5.	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS UNIVERSITA DEGLI STUDI DI PADOVA CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS UNIVERSITA' DEGLI STUDI DI MILANO-BICOCCA MAXWELL BIOSYSTEMS AG	Coordinator Partner Partner Partner Partner	EL IT FR IT CH	2.776.704,00 €
NEUROPA	Non-invasive dynamic neural control by laser-based technology	1. 2. 3. 4. 5. 6. 7.	ASTON UNIVERSITY UNIVERSITAET BAYREUTH OULUN YLIOPISTO UNIVERSITAT DE BARCELONA PHARMACOIDEA FEJLESZTO ES SZOLGALTATO KFT SORBONNE UNIVERSITE DLM CONSULTANCY SERVICES LTD	Coordinator Partner Partner Partner Partner Partner Partner	UK DE FI ES HU FR UK	3.604.780,00 €
Nanolace	Mask Based Lithography for Fast, Large Scale Pattern Generation with Nanometer Resolution	1. 2. 3. 4. 5. 6. 7.	UNIVERSITETET I BERGEN THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN THE UNIVERSITY OF BIRMINGHAM NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS IRRESISTIBLE MATERIALS LTD MB SCIENTIFIC AB	Coordinator Partner Partner Partner Partner Partner	NO IE UK NO EL UK SE	3.356.511,75 €
NeuroCure	Development of "smart" amplifiers of reactive oxygen species specific to aberrant polymorphonuclear neutrophils for treatment of inflammatory and autoimmune diseases, cancer and myeloablation.	1. 2. 3. 4. 5. 6. 7.	FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN NUERNBERG UNIVERSITY OF SURREY UNIVERSITATSKLINIKUM ERLANGEN LVIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYTSKHOHO CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES CARLOS III (F.S.P.) REDOXIS AB INSTITUT GUSTAVE ROUSSY	Coordinator Partner Partner Partner Partner Partner Partner	DE UK DE UA ES SE FR	2.999.998,75 €
OLIGOARCHIVE	Oligoarchive - Intelligent DNA Storage for Archival	1. 2. 3. 4.	IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE EURECOM HELIXWORKS TECHNOLOGIES CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	Coordinator Partner Partner Partner	UK FR IE FR	2.995.007,50 €
ORIGENAL	Origami electronics for three dimensional integration of computational devices	1. 2. 3. 4.	GESELLSCHAFT FUR ANGEWANDTE MIKRO UND OPTOELEKTRONIK MIT BESCHRANKTERHAFTUNG AMO GMBH TEKNOLOGIAN TUTKIMUSKESKUS VTT OY UNIVERSITA DI PISA TECHNISCHE UNIVERSITAET WIEN	Coordinator Partner Partner Partner	DE FI IT AT	2.743.800,50 €
PAN	Development of a demonstrator for the Penetrating Particle Analyser (PAN) technology	1. 2. 3.	UNIVERSITE DE GENEVE ISTITUTO NAZIONALE DI FISICA NUCLEARE CESKE VYSOKE UCENI TECHNICKE V PRAZE	Coordinator Partner Partner	CH IT CZ	2.637.500,00 €
PANACHE	Production of next generation peptidomimetics targeted towards pannexins and connexins as novel	1. 2. 3.	VRIJE UNIVERSITEIT BRUSSEL UNIVERSITE DE GENEVE FUNDACION PROFESOR NOVOA SANTOS	Coordinator Partner Partner	BE CH ES	3.503.628,75 €

	therapeutics in the treatment of inflammatory cardiovascular, hepatic and joint diseases.	4. PROTOQSAR 2000 SL	Partner	ES	
PLS	Perinatal Life Support System: Integration of Enabling Technologies for Clinical Translation	1. TECHNISCHE UNIVERSITEIT EINDHOVEN 2. UNIVERSITAETS KLINIKUM AACHEN 3. LIFETEC GROUP BV 4. POLITECNICO DI MILANO 5. NEMO HEALTHCARE BV	Coordinator Partner Partner Partner Partner	NL DE NL IT NL	2.876.131,25 €
POSEIDON	NanoPhOtonic devices applying SElf-assembled colloIDs for novel ON-chip light sources	1. GESELLSCHAFT FUR ANGEWANDTE MIKRO UND OPTOELEKTRONIK MIT BESCHRANKTER HAFTUNG AMO GMBH 2. AMIRES SRO 3. UNIVERSITY OF HULL 4. UNIVERSITAET SIEGEN 5. FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN NUERNBERG 6. ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES- CIC biomaGUNE 7. THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE 8. AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	Coordinator Partner Partner Partner Partner Partner Partner Partner	DE CZ UK DE DE ES UK ES	3.066.620,00 €
PRIMO GAIA	Prepolarized MRI at Earth Field to seek new contrasts linked to molecular events for very early detection of pathologies	1. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS 2. FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3. PURE DEVICES GMBH 4. STELAR SRL 5. UNIVERSITE DE MONS 6. UNIVERSITA DEGLI STUDI DI TORINO	Coordinator Partner Partner Partner Partner Partner	FR DE DE IT BE IT	3.387.821,25 €
PROBOSCIS	Proboscidean sensitive soft robot for versatile gripping	1. FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA 2. UNIVERSITE DE GENEVE 3. SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT'ANNA 4. THE HEBREW UNIVERSITY OF JERUSALEM 5. PHOTOCENTRIC LIMITED	Coordinator Partner Partner Partner Partner	IT CH IT IL UK	3.473.438,75 €
PULSE-COM	Photo-Piezo-ActUators based on Light SEnsitive COMposite	1. CONSIGLIO NAZIONALE DELLE RICERCHE 2. AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE 3. UNIVERSITE GRENOBLE ALPES 4. CEDRAT TECHNOLOGIES SA 5. SITEX 45 SRL 6. INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA LASERILOR PLASMEI SI RADII 7. CENTRUM BADAN I ROZWOJU TECHNOLOGII DLA PRZEMYSLU S.A. 8. AYMING	Coordinator Partner Partner Partner Partner Partner Partner Partner	IT IT FR FR RO RO PL FR	2.980.015,00 €
QLUSTER	Many-photon quantum entanglement	1. UNIVERSITEIT LEIDEN 2. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS 3. THE HEBREW UNIVERSITY OF JERUSALEM 4. TECHNISCHE UNIVERSITAET MUENCHEN 5. THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE 6. FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS 7. UNIVERSITAT BASEL	Coordinator Partner Partner Partner Partner Partner Partner	NL FR IL DE UK EL CH	2.827.521,25 €
QUANTUM E-LEAPS	Toward new era of quantum electrical measurements through phase slips	1. TEKNOLOGIAN TUTKIMUSKESKUS VTT OY 2. AALTO KORKEAKOULUSAATIO SR 3. EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH 4. LEIBNIZ-INSTITUT FUER PHOTONISCHE TECHNOLOGIEN E.V. 5. NPL MANAGEMENT LIMITED 6. ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE 7. UNIVERSITAET REGensburg	Coordinator Partner Partner Partner Partner Partner Partner	FI FI CH DE UK UK DE	2.997.532,50 €
QUARTET	Quantum readout techniques and technologies	1. UNIVERSITY OF YORK 2. UNIVERSITA DEGLI STUDI DI CAMERINO 3. DANMARKS TEKNISKE UNIVERSITET 4. NKT PHOTONICS A/S 5. ISTITUTO NAZIONALE DI RICERCA METROLOGICA 6. INSTITUTE OF SCIENCE AND TECHNOLOGY AUSTRIA 7. AALTO KORKEAKOULUSAATIO SR	Coordinator Partner Partner Partner Partner Partner Partner	UK IT DK DK IT AT FI	2.651.871,25 €
QuanTELCO	Quantum Emitters for Telecommunication in the O-Band	1. UNIVERSITAT WIEN 2. HERIOT-WATT UNIVERSITY 3. UNIVERSITAT KONSTANZ 4. LINKOPINGS UNIVERSITET 5. BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYESUM 6. UNIVERSITY OF SOUTHAMPTON 7. PAUL SCHERRER INSTITUT 8. RIJKSUNIVERSITEIT GRONINGEN	Coordinator Partner Partner Partner Partner Partner Partner Partner	AT UK DE SE HU UK CH NL	2.990.576,25 €

		9.	QUANTUM TECHNOLOGY LABORATORIES GMBH	Partner	AT	
RSENSE	Revolutionizing disease and environmental detection with portable optoacoustic sensing	1. 2. 3. 4. 5.	TECHNISCHE UNIVERSITAET MUENCHEN ARISTOTELIO PANEPISTIMIO THESSALONIKIS - EIDIKOS LOGARIASMOS KONDILION EREVNAS RAYFOS LTD SONAXIS SA HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGZENTRUM FUER GESUNDHEIT UND UMWELT GMBH	Coordinator Partner Partner Partner Partner	DE EL UK FR DE	3.057.956,25 €
SPRING	SPin Research IN Graphene	1. 2. 3. 4. 5. 6.	ASOCIACION - CENTRO DE INVESTIGACION COOPERATIVA EN NANOCIENCIAS - CIC NANOGUNE TECHNISCHE UNIVERSITEIT DELFT UNIVERSIDAD DE SANTIAGO DE COMPOSTELA IBM RESEARCH GMBH THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD FUNDACION DONOSTIA INTERNATIONAL PHYSICS CENTER	Coordinator Partner Partner Partner Partner Partner	ES NL ES CH UK ES	3.486.536,25 €
SUPERGALAX	Highly sensitive detection of single microwave photons with coherent quantum network of superconducting qubits for searching galactic axions	1. 2. 3. 4. 5. 6. 7.	CONSIGLIO NAZIONALE DELLE RICERCHE RUHR-UNIVERSITAET BOCHUM LOUGHBOROUGH UNIVERSITY ISTITUTO NAZIONALE DI RICERCA METROLOGICA KARLSRUHER INSTITUT FUER TECHNOLOGIE LEIBNIZ-INSTITUT FUER PHOTONISCHE TECHNOLOGIEN E.V. ISTITUTO NAZIONALE DI FISICA NUCLEARE	Coordinator Partner Partner Partner Partner Partner Partner	IT DE UK IT DE DE IT	2.456.232,50 €
SiC nano for PicoGeo	SiC optical nano-strain-meters for pico-detection in Geosciences (SiC nano for picoGeo)	1. 2. 3. 4. 5. 6. 7.	CONSIGLIO NAZIONALE DELLE RICERCHE ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA NOVASIC SA MOVERIM CONSULTING SPRL HELMHOLTZ ZENTRUM POTSDAM DEUTSCHESGEOFORSCHUNGZENTRUM GFZ SISGEO SRL IRACI CAPPUCCINELLO ANTONINO	Coordinator Partner Partner Partner Partner Partner Partner	IT IT FR BE DE IT IT	2.736.836,00 €
SpinENGINE	Harnessing the Emergent Properties of Nanomagnet Ensembles for Massively Parallel Data Analysis	1. 2. 3. 4. 5.	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU THE UNIVERSITY OF SHEFFIELD UNIVERSITEIT GENT EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH IBM RESEARCH GMBH	Coordinator Partner Partner Partner Partner	NO UK BE CH CH	3.001.826,00 €
SuperMaMa	Superconducting Mass Spectrometry and Molecule Analysis	1. 2. 3. 4. 5.	UNIVERSITAT WIEN SINGLE QUANTUM BV ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE UNIVERSITAT BASEL SPECTROMETRY VISION BV	Coordinator Partner Partner Partner Partner	AT NL CH CH NL	2.841.418,75 €
TERAmeasure	Non-contact millimeter and Terahertz frequency measurement paradigm for instrumentation and sensing applications unlocking metrology-grade results	1. 2. 3. 4. 5. 6.	UNIVERSIDAD CARLOS III DE MADRID FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. KUNGSLIGA TEKNIKA HOEGSKOLAN ANRITSU EMEA LIMITED PROTEMICS GMBH SAINT PETERSBURG NATIONAL RESEARCH UNIVERSITY OF INFORMATION TECHNOLOGIES, MECHANICS AND OPTICS	Coordinator Partner Partner Partner Partner Partner	ES DE SE UK DE RU	2.969.251,25 €
TOPSQUAD	Topologically Protected And Scalable Quantum Bits	1. 2. 3. 4. 5. 6.	UNIVERSITEIT TWENTE UNIVERSITAT BASEL INSTITUTE OF SCIENCE AND TECHNOLOGY AUSTRIA TECHNISCHE UNIVERSITEIT EINDHOVEN BASEL PRECISION INSTRUMENTS GMBH NANOPHAB B.V.	Coordinator Partner Partner Partner Partner Partner	NL CH AT NL CH NL	3.175.358,75 €
TeraSlice	Terahertz Analogue-to-Digital Conversion Using Photonic Chipscale Soliton Frequency Combs and Massively Parallel Spectrally Sliced Detection	1. 2. 3. 4. 5. 6.	KARLSRUHER INSTITUT FUER TECHNOLOGIE ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI THALES SA LIGENTEC SA VANGUARD PHOTONICS GMBH	Coordinator Partner Partner Partner Partner Partner	DE CH IT FR CH DE	3.361.735,00 €
UWIPOM2	Ultra-Efficient Wireless Powered Micro-Robotic Joint For Health Applications	1. 2. 3. 4. 5.	UNIVERSIDAD DE ALCALA ADVANCED HALL SENSORS LTD POLITECHNIKA WARSZAWSKA FUNDACION IMDEA NANOCIENCIA BOSTON SCIENTIFIC LIMITED	Coordinator Partner Partner Partner Partner	ES UK PL ES IE	2.989.618,75 €
UltraFastNano	Electronic generation and detection in nanoelectronic devices at the picosecond scale	1. 2. 3.	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES NEXTNANO GMBH CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	Coordinator Partner Partner	FR DE FR	3.307.613,75 €

		4. 5. NPL MANAGEMENT LIMITED CHALMERS TEKNiska HOEGSKOLA AB	Partner Partner	UK SE	
UncorrelaTED	Solid-liquid thermoelectric systems with uncorrelated properties	1. UNIVERSITAT JAUME I DE CASTELLON 2. FUNDACIO INSTITUT DE RECERCA DE L'ENERGIA DE CATALUNYA 3. KUNGliga TEKNIKA HOEGSKOLAN 4. THE UNIVERSITY OF WARWICK 5. SOLVIONIC 6. INTENANOMAT SL	Coordinator Partner Partner Partner Partner Partner	ES ES SE UK FR ES	2.543.322,50 €
WiPLASH	Architecting More Than Moore – Wireless Plasticity for Heterogeneous Massive Computer Architectures	1. UNIVERSITAT POLITECNICA DE CATALUNYA 2. IBM RESEARCH GMBH 3. ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA 4. ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE 5. GESELLSCHAFT FUR ANGEWANDTE MIKRO UND OPTOELEKTRONIK MIT BESCHRANKTERHAFTUNG AMO GMBH 6. UNIVERSITAET SIEGEN 7. RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN	Coordinator Partner Partner Partner Partner Partner	ES CH IT CH DE	2.994.765,00 €
WiPTerm	Innovative Wireless Power Devices Using micro-Thermoelectric Generators arrays	1. UNIVERSIDADE DO PORTO 2. CENTITIVC - CENTRO DE NANOTECNOLOGIA E MATERIAIS TECNICOS FUNCIONAIS E INTELIGENTES ASSOCIACAO 3. UNIVERSITE DE LIMOGES 4. UNIVERSIDAD DE VIGO 5. INESC TEC - INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES, TECNOLOGIA E CIENCIA	Coordinator Partner Partner Partner Partner	PT PT FR ES PT	2.315.892,50 €
s-NEBULA	Novel Spin-Based Building Blocks for Advanced TeraHertz Applications	1. THALES SA 2. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS 3. FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 4. JOHANNES GUTENBERG-UNIVERSITAT MAINZ 5. FREIE UNIVERSITAET BERLIN 6. VYSOKA SKOLA BANSKA - TECHNICKA UNIVERZITA OSTRAVA 7. UPPSALA UNIVERSITET	Coordinator Partner Partner Partner Partner Partner Partner	FR FR DE DE DE CZ SE	3.390.876,25 €