			Complementary 0916			
RIF PROPOSAL NUMBER	TITLE	COORDINATOR	HOST ORGANIZATION	PROJECT BUDGET	RIF FUNDING	PUBLISHABLE SUMMARY
COMPLEMENTARY/0916/0005	Visorsurf COMplementary	Theodoros Pananos	SIGNALGENERIX LTD	34.212,50	34.212,00	SignatGenetic is a leader RSD company in the domain of electronics and owner of state-of-the-ent research and development infrastructure. The company will utilise thing mint in the direction of further enhancing its R&D Infrastructure which will boost its international research activities and capabilities and also in actions related to enhancing the competitiveness of the company internationally.
COMPLEMENTARY/0916/0006	Enhancing the research activities of the FOSS Research Centre for Sustainable Energy of the University of Cyprus	George Georghiou	University of Cyprus	33.317.50	33.317,00	This project aims to significantly enhance the experimental facilities of PGSS Research Centes for Sustainable Energy, University of Opus. PGSSI is active the The research thems of austinable energy, with a particular focus on PV technology and its grid integration. In the last few years, it has developed advanced infrastructure for studying PV in laboratory and real outdoor conditions for research purposes. PGSS is currently participating-leading over 25 different projects on PV technology and advanced infrastructure for studying PV in laboratory and real real outdoor conditions for research purposes. PGSS is currently participating-leading over 25 different projects on PV technology and grids. The large number of research projects at PGSS has tell to a significant increase in research/bethical personnel and subsequently to growing needs particularly as regards testing equipment. In this project, accurate measurement equipment to growing the study measurements commodition in the projects. In the project of the projects of
COMPLEMENTARY/0916/0008	Real-time Control of the Wiledess Behavior of Environments with HyperSurfaces	Andreas Ptsillides	University of Cyprus	98.112,50	98.112,50	Meannateaids (MM) and Metasurbace (MS) are a new class of materials with engineered properties, even if there go against nature. Once designed and manufactured, commonly by specialised researches in the field, they are generally rigid and optimised only for the set of the given application requirements and environmental conditions designed for it may of these conditions change then their performance is altered. VISORSURF - A Hardwest Platform for Software-driven Frunctional Metasurfaces MS sites, called PhepSurfaces (RSS). The optimisation of the behavior will be clearly with VISORSURF mostly by using of-line techniques (e.g. Genetic Algorithms). This will only guarantee their behavior as long as the environmental conditions designed for (e.g. angle of amide of the end within VISORSURF mostly by using of-line techniques (e.g. Genetic Algorithms). This will only guarantee their behavior as long as the environmental conditions designed for (e.g. angle of amide of the environmental conditions designed for (e.g. angle of amide of the environmental conditions of which are also support to the same of the control of these server with changing environmental conditions. Furthermore, it will look at the specification and verification of multi-agent, large-acide systems, which will support the implementation of the theoretical results of the project on a large scale. Finally, the thorsectual dections who is some experimentation and pictoryping, extended from the vision of the scale of the project of the province of the project of the project of the province of the project of the project of the province of the project of the p
COMPLEMENTARY/0916/0009	Aviation-driven Data Value Chain for Diversified Global and Local Operations	Christodoulos Mentouris	CELLOCK LTD	12.250,00	12.250,00	The European aviation industry needs to leverage the surge of multi-source and multi-lingual data streams to gain augmented irefligence on its status quo and open up a wide spectrum of careful irefligence on its status quo and open up a wide spectrum of careful irefligence on its status quo and open up a wide spectrum of careful irefligence on the status quo and open up a wide spectrum of careful irefligence o
COMPLEMENTARY/0916/0010	A Scalable Big Data Visualization Deshboard for CARUS	George Pallis	University of Cyprus	13.937,50	13.937,50	The correlementary funding with be used by I/O is develop a scalable, big-data idsulfaction distributed the stell provides a hampoind and spatial explicit, big-section and serviced in subject and comprehensive statistics exploiting the I/CARUS data. The developed distributor will be used to visualize the results of the I/CARUS use cases, Specifically, the desthorad will offer users the opportunity to customize a collection of data visualization widgets according to their interests. Users will be able to create individual based that are sets to configure, etc., and share. The desthorad will comprehend will complete and curried data from ICARUS use cases that will be developed through the project and will provide actionable information for better decision making.

COMPLEMENTARY/0916/0011	The European Nanotechnology Community Informatics Platform Bridging data and disciplinary gaps for industry and regulators (NanoCommons)		NovaMechanics Ltd	15.000,00	15.000,00	Nanotechnologies and the resulting nosel and emerging materials (REMA) represent major areas of westerment and greatly for the European economy. Recent advances have enabled confidence in the understanding of what constitutes toxicity of NEMs in relation to heath and environmental hazards. However, the nanotechnology and nanosable communities remain disparted and unconnected, whilst knowledge and data remain fragmented and inaccessible, such that from a data integrating and mining perspective it is clarity a 'stating community'. The field, and indeed the European coen knowledge economy, requires convenion of these scientific discoveries into legislative frameworks and industrial and facilities access to the disparted activates. Nanoticommon brings toppler reacesmita, disclutivity and regulators to facilitate pooling and harmonism of methods and data for modelling, sale-by-design product development of demonstration case studies (e.g. exemption regulatory dosters), oliving exemption and constraints of the standard of the control of the contr
COMPLEMENTARY/0916/0012	Sociopolitical implications of media and communication technologies	Dimitra Milioni	Cyprus University of Technology	17.920,61	17.920,61	The Complementary Funding will be used to support research work in the broad field of media and new communication benchages (web 2.0) in relation to their social, cultural and political implications, communication to the property of the p
COMPLEMENTARY/0916/0013	i-ncrease of ADITESS R&D capabilities	NIKOLAOS KOUTRAS	AOTESS ADVANCED INTEGRATED TECHNOLOGY SOLUTIONS & SERVISES LTD	45.896,28	44.626,44	The Complementary Funding will be used by ADTESS to reinforce the company's capabilities as sed as to satisfy resources needed to be better equipped in the field RRAD. Furthermore, this investment targets in enabling our teem to perform demanding tasks that so far could not be performed due to restrictions of esisting equipment, doing so will investably bincrease efficiency and producibly with the esisting personnel. The budget can be categorized in three parts: 1.Company structure 4 resources. The sits category is developly moved with supporting of the R&D 2.R&D popic to T — Cybersecutivi/Cybercrine). The investment to be made in this category has to do with the continuous growth of the company in the topo of developing opherescutive politicisms and protecting against cybercrime. As a second of the company of the producible of the company of the company of the company in the logical continuous increasing the capability of the company in the logical continuous as well as the africacy varyunted experience and R&D development. DATESS has already a procession a vertery of UAV systems such https://adtess.com/main/products/adtess-products/).
COMPLEMENTARY/0916/0015	European Joint Doctorate in simulation in multiscale physical and biological systems	Constantia Alexandrou	University of Cyprus	24.137,93	24.100,00	Simulation alongside theory and experiment is nowadays considered an integral part of scientific discover, has computation speeds up and new technologies and instruments improve, data generation in at fields of science is rapidly increasing. As a consequence, researches lace new challenges: Data consequence, researches lace new challenges: Data and control of the
COMPLEMENTARY/0916/0017	Learning Outcomes and Quality of Teaching: Searching for Short- and Long-Term Effects	Leonidas Kyrtskides	University of Cyprus	24.122.93	24.040.00	The project aims to complement a large-scale European project entitled "Outcomes and Causal Inference in International Comparable Assessments", which examines the causal effects of educational policy factors on student outcomes using data from international comparable studies. Two sub-projects of the comparable international comparable studies are considered to the comparable studies and considered to the complement of the comparable studies and except devices associated with quality and equally dimensions of effectiveness. The proposed project aims to complement both sub-projects by reventigating: 1 the potential added value of observational data on quality of teaching in relation to self-reported data. 2) the effect of the quality of dialogue as an additional teaching-level factor, and 3) the consecutive school oyears all citized its funderis in Citypus who have taken the PSRA Lesracy exem at the end of Crade 10 (approx. 1250 students in 50 classes). Pamel data related to student achievement will convert three time protects: 1; and of Crade of 10 based on the PSRA results, 2 and of Grade 11 based on a result of the Panoprisis (Estraco) Examine in the Grade Language. Teaching-level data will be collected unique the Daymark Model instruments and the "Dislogue Observation Tool" measuring the quality of classocom dialogue. A multi-level value of the panoprisis (Estraco) Examine in the Grade Language. Teaching-level data will be collected using the Daymark of the absorber of the design of national and international evaluation studies, as well as for developing our understanding of factors associated with effectiveness especially those at the teaching level.

COMPLEMENTARY/0916/0019	SG Enabled Highly Secured Smart Grids	Roannia Gilannoulakia	Eight Bells Ltd	21.096.59	21.096.58	In order to avoid electricity black-outs, to optimize the tuse of renewable energy sources, and to take measures against potential opterations, a real-time dynamic rounting of electricity flows and also new technologies for increasing opterations and electricity of the control of the control of the electricity flows and solo new technologies for increasing opterations and increasing opterations are controlled to the controlled of the controlled and the controlled of the controlled and another and real-time way to fill this age and they can be considered as an ell-inclusive critical communication plastom that support a wide map of applications and usage scenarios. By providing authentication over vireless coverage and capacity, prieste LTE and 5G networks can examine guaranteed connectivity, while supporting a wide engree of applications and usage scenarios. By controlled the controlled of the contro
COMPLEMENTARY/0916/0021	Complementary Action for Projects to Achieve Improvements in Delivery and Impact	Elles Kyrishiddes	University of Cyprus	46.250,00	46.250,00	The aim of the project entitled CAPACIDI is to address the specific needs of the researchers involved in two KIOS CEE projects funded by the EUs Hortzon 2020 programmes as a priority and build five capacity in the CAPACIDI in the capacity of the capacity of the CAPACIDI in the CAPACID IN the CAPACIDI IN the CAPACID IN the CAPACIDI I
COMPLEMENTARY/0916/0025	THALassaemia in Action 2018	Llly Cannon	Thalassaemia International Federation	14.891,40	14.891,40	Thalassaemia, a previously fixed childhood genetic classes, can today be effectively prevented and appropriately treated, as result of medical and scientific advances in the last three decades. THAL assemils in Action 2018 (THALIA2018) socuses on Europe, targeting patients with histosaemia and other hearnogloinopatiens, healthcap rotestionals and policymakers and mains to attain four general objectives, based on TH's main pillas of activities. 1. Cortinue and strengthen the education of patients/parents and healthcare professionals, as well as the patients' capacity, competency and networking within and across countries and regions of Europe. This is to be achieved with the development of elementing tools and the launching or capacity building courses and training seminars. 2. Rates eventures on thalassaemia and the importance of optimal care amongst the public at large, as well as among THALIA target groups at national and European level. This will be accomplished by establishing and training national patients' associations in EU priority countries, creating an IEU Exercinc Hearth Record and reterming into policy diagogue with policymikers at national and European level. A Support research programmes and studies focused on the clinical management of Thistoscaemia, 40 support for activity of the clinical management of Thistoscaemia, participating in scientific conferences and providing medical specialists in priority countries with
COMPLEMENTARY/0916/0028	Energy-autonomous postable access points for infrastructure-less networks	KOANNIS KRIKIDIS	University of Cyprus	23.583,65	23.583,65	The explaine grown of applications and industrial sectors that rify on horadband connectivity, is set to stretch the demand for wiseless networks beyond the reach of the power grid infrastruture. Access points are being deployed on board of dones, while more than 8,000 hybrid-energy base stations are expected to be deployed annually in remove neares by 2020. The power grid will be expected by the proposed proposed by the proposed proposed by the power grid will be a station of the power grid will be a station of the proposed proposed by the proposed propo

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COMPLEMENTARY/0918/0029	Upgrading the capabilities of the FOSS experimental facilities	George Georghiou	University of Cyprus	64.631.25	64.631,25	The project aims to enhance the research facilities of the FOSS Research Centre for Sustainable Energy, University of Cypns and to support their smooth operation. The core research activities of FOSS an PV technology and near scentify PV grid integration, small The core research activities of FOSS an PV technology and speak as developed unknown dinfestructure for operational type wrestigating PV cells, modules, and system as doff-integrated unknown dinfestructure for operational type wrestigating PV cells, modules, and system as both, illustratory and outdoor conditions as well as more advanced aspects e.g. battery storage, energy management, advanced neverse. EN, power quality measurements, numerical modeling, est. In order to ensure high quality work and results, accurate measurements which abole to the latest satisfacts in the field, the number of research projects as FOSS has led to a significant increase in research-technical personnel and subsequently to growing even further the laboratory needs particularly as regards testing equipment of consumables, and other mannerance costs (e.g., regular antilations) of equipment man descripment of consumables, and other mannerance costs (e.g., regular antilations) of equipment man descripment of consumables, and expected that the upgrading will address blackratery needs concerning projects, high-quality services provided to different stakeholders and companies, and advanced research training activities undertakent are FOSS. Unitarially, maintaining as late of-the-antibioscopy drives research succliners in researcher training, and in attracting the best researchers to work at FOSS.
COMPLEMENTAR Y/0916/0030	Nest-generation thermostics of brain pathologies with autonomous seemally controllable pronoreborks: a trans-disciplinary approach with bio-nanodevice interfaces		E.P.O.S IASIS RESEARCH AND DEVELOPMENT LTD	55.577,00	\$5.576,00	Brain patriologies are highly complex disorders. Despite recent prograss, their prognosis is girm, defining a high societal forallenge. Bediging life sciences, bio-amotechnology, engineering and LTC, ELADATOR promises a vanguard and comprehensive theranoxic (therapeutic-diagnostis) solution for brain malignancies. Through a multi-faceted restriction, dl. CAIATOR will provide for the first time, a working protoxype of a complete, autonomous and chircully applicable, naturetwork-braned, Matecular comprehensive completes and complete programming completes and completes and completes and completes programming indicators. It is a specific prognamming completes and complet
COMPLEMENTARY/0915/0031	IdeNtity-verification with privacy-preserving credeNtlats for anonymous access To Online services		Cyprus University of Technology	14.300.00	14.300,00	The overacthing goal of INCOGNITO is to combine state-of-the-art technologies in a platform that will allow users to easily understand what is needed to access croins excises with respect to their privacy and to all the property of the state of their feeting. We fould not up of the framework that is being and the state of the feeting. We fould not up of the framework that is being and physical identity proofs not olderithed and cryptographically strong proofs of Identities that can be used for getting access to Online Services. INCOGNITO has the following objectives: 1) Design and implement an infrastructure that supports qualified anonymity (QA) by leveraging state of the art cryptographic occertaints schemes as well as Federated Login solutions. 2) Design and implement an identity Acquisition and Management platform that will allow the user to quickly and socrety acquire feeting simbursties from Privacial ID documents and Online Identities. 2) Design and implement an Identity Acquisition and Management platform that will allow the user to quickly and socrety acquire feeting simbursties from Project ID documents and Online Identities. 2) Design and implement and Identity Acquisition and Management platform that will allow the user to quickly and socrety acquire feeting simbursties from Project ID documents and Online Identities. 2) Design and implement and Identity Acquisition and Interdisciplinary secondment program for Experience of Exposition of Experience of Exposition Confidence in Transparent in Identity Acquisition and management, machine-learning algorithms and user experience assessment. Industry parties in saled-of-the-Art IT security technologies, production-grade development processes and exposure to industrial research environment.
COMPLEMENTARY/0916/0032	Security ECONomics service platform for amant security investments and object insurance pricing in the beyonD 2020 netwOrking era	Michael Sinvienos	Cyprus University of Technology	12.750,00	12.750,00	SECONDO addresses the question "New can decisions about clyber accurity investments and cyber investments, developed to support human decision making, and a complete well-founded security investments, developed to support human decision making, and a complete well-founded security strategy. This is a timely research problem, as the rapid growth of cyber-attacks is expected to confinue the security investment of the security investment investment of the security investment i

COMPLEMENTARY/0916/0033	Nanointomatics models and tools for the Risk Assessment & Governance of Nanomaterials	Antreas Afantitis	NoveMechanics Ltd	61.492.50	61.492,50	Nenotechnology requires integration of knowledge from quite different disciplines such as material seance, blobgy, demistry, doubloagy and medicine. In partial computational approaches are gaining increasing importance and popularly and the advancement of nanoinformatics will be crucial for sustainable nanotechnology. Nanoinformatics is a systematic methodology to older, criganize, validate, store, share, model, and analyze data involving nanotechnology pincesses, materials, properties and understanding of the interactions in the man ocale as well as the quantification of Miss adverse effects. NanoSoNel? applies to introduce a ground-breaking in silico Integrated Approach to Testing and Assessment (IAT) for the environmental health and safety of Nanomaterials RNI), implemented through a decision support system packaged as both a stand-alone open software and via a Coust platform. NanoSoNel? coordinated by Newadheriales, will play a key of the inadvancing an anoinformatics emitted as the contraction of the RN of conventional chemicals, complemented by methods for estimating environmental, social and economic benefits.
COMPLEMENTARY/0916/0036	Internet of Sports Testbed	George Pallis	University of Cyprus	35.375,00	35.375,00	Within this project an Internet of Sports (IoS) testbed will be built providing the opportunity to run Big Data analytic applications. In addition, a large collection of apost-related datasets collected by wearable consumer products will be created, establishing a data ecosystem with embedded quality control that preserves data privacy.
COMPLEMENTARY/0916/0037	Advanced Signal Processing Technologies for Wireless Powered Communications	IOANNIS KRIKIDIS	University of Cyprus	96.531,25	96.000,00	Wireless power transfer (WPT), pioneered by Tesis, is an idea at least as old as radio communications, thoewer, on the nah, due to health concerns and the large antenna dimensions required for transmission of high energy levels, until recently WPT has been limited mostly to very short distance applications. On the other hand, desent advances in siston technology have significantly educed the energy readed of electronic systems, making WPT over findle waves a potential source of emergy for low standard and the control of the energy readed of electronic systems, making WPT over findle waves as potential source of emergy for low standard and the energy readed of electronic systems, and the energy readed of electronic systems, and the energy readed of electronic systems is still unexploited. On the other hand, conventional ands wave based information and energy transmissions have largely been designed separately. However, many applications can benefit from simultaneous wireless information and power transfer (GWMPT). The overall objective of the APOLLO project is to study the integration of WPT/SWIPT technology into future wireless communications, sortions thereof. Compared to past and current research efforts in this area, our technical approach is deeply interdisciplinary and more comprehensive, combining the expentise of wireless communications, control theory, information theory optimization, and electronic improves engineering. WPT/SWIPT via information/communication/control theoretic studies: 2) new physical and cross-layer mechanisms that will evaluate the teleplation of VPT/SWIPT; and 4) development of a previous and complete mathematical theory for WPT/SWIPT; and 4) development of a provincial control theoretic studies: 2) new physical and cross-layer mechanisms that will evaluate the vietnament of VPT/SWIPT into thous communication systems; 3) new relevoit such activities and multi-based metamatical oriegy harvesting sensors or SWIPT.
COMPLEMENTARY/0916/0040	Oper security cOmpeteNce for Research anD Innovation	Michael Sirivanos	Cyprus University of Technology	12.812.50	12.812.50	Europe needs to stop up to efforts and strengthen its very own security opposition to secure its digital society, economy, and democracy. It is time to recompete imperior digital sovereignity, The vision for Europe can only be to join forces across Europe's research, industry and public sector and to include all instents not just those that have representation in the EU maintenam or are within lig organizations. Diversity and inclusions are keys for success. Europe has nonclinic overage and selection of the EU maintenam or are within lig organizations. Diversity and inclusions are keys for success. Europe has nonclinic overage and selection that a device of the expectation of the expectat
COMPLEMENTARY/0916/0041	WiseBOS Transaction Monitoring module	Gotelenne PIATON	EBOS TECHNOLOGIES LTD	64.281,90	64.282,00	The project aims to develop a new Transaction Monitoring module that allows organisations to monitor transactions, screen for exceptions financial activities against each customer profile, and support the transactions, screen for exceptions from the profile of the property of the profile
COMPLEMENTARY/0916/0042	Promoting Bloarchaeological Research in the Eastern Mediterranean	Thilo Retrem	The Cyprus Institute	27,503,15	27.503,15	iso-Pomised aims at enhancing the bioachtaeological research activities and capabilities at the Science and Technology in Achaeology and Culture Research Center (STARC) of the Cypus institute through the recruitment of an early-stage researcher as lisb assistant. Bio-Promised will complement the initiatives of the H2020 Yuman project Promised — Promoting Archaeological Sciences in the Eastern Modiferranean' (Grant agreement 81 1068), which, as a Support and Coordination Action, aims at building research and education capability at STARC but does not provide funding for the implementation of research initiatives. The lisboratory assistant will contribute to archaeolocatical work in the field and in the shorously (Machine, residue soring, plant macro-remains confine, sample preparation for phytioth) microwers analysis. Most importantly, the new STARC member will contribute to the development of digital open-access reserves coelections for scraheolodary and human assistant-basedogy, which will form an invaluable resource not just for STARC but for the broader region and beyond. In performing the above tasks, the bia sassistant will gain valuable and cheers research expension to biacarbaselogy, while working in an environment that has the formal commitment, demonstrable funding and publication track record, modern infrastructure and dedicated academic staff to become a leader in me field.