

HORIZON 2020

Review 2019/2020

This newsletter brings together some of the recent achievements of Welsh participants in [Horizon 2020](#) and presents the latest figures¹ on Welsh participation. As we expect more grant awards in 2021 and projects will continue to run for several years, this is not the end of the story for Horizon 2020 even as Horizon Europe comes into focus.

138.8

MILLION EURO
EC FUNDING TO WALES

2.4

BILLION EURO

TOTAL COST OF H2020 PROJECTS
WITH WELSH PARTICIPATION

25%

OF WALES' FUNDING TO
PRIVATE SECTOR

Since [our report in 2018](#), Welsh organisations have secured an **additional £36m of Horizon 2020 EU research and innovation funding to Wales** in challenging circumstances. In addition, many applications achieved over the quality threshold but narrowly missed selection.

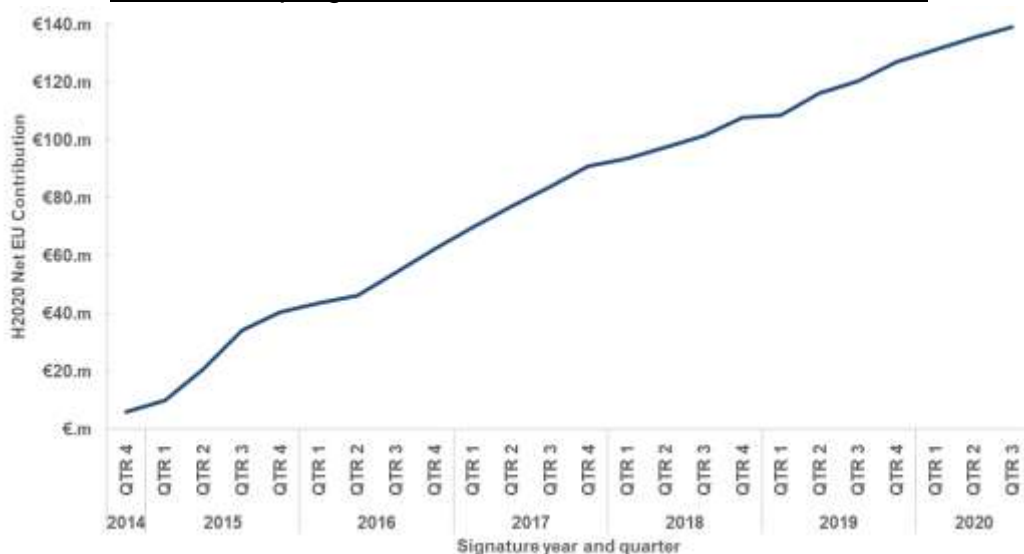
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INTERNATIONAL
COLLABORATIVE LINKS ACROSS... COUNTRIES

99

ELIGIBLE INDIVIDUAL
FELLOWSHIP PROPOSALS IN
2019

Cumulative progression of Horizon 2020 awards to Wales



¹ All Horizon 2020 data is drawn from European Commission Horizon 2020 Dashboard (H2020 Funded Projects and Country Profiles), last uploaded 5 November <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard>

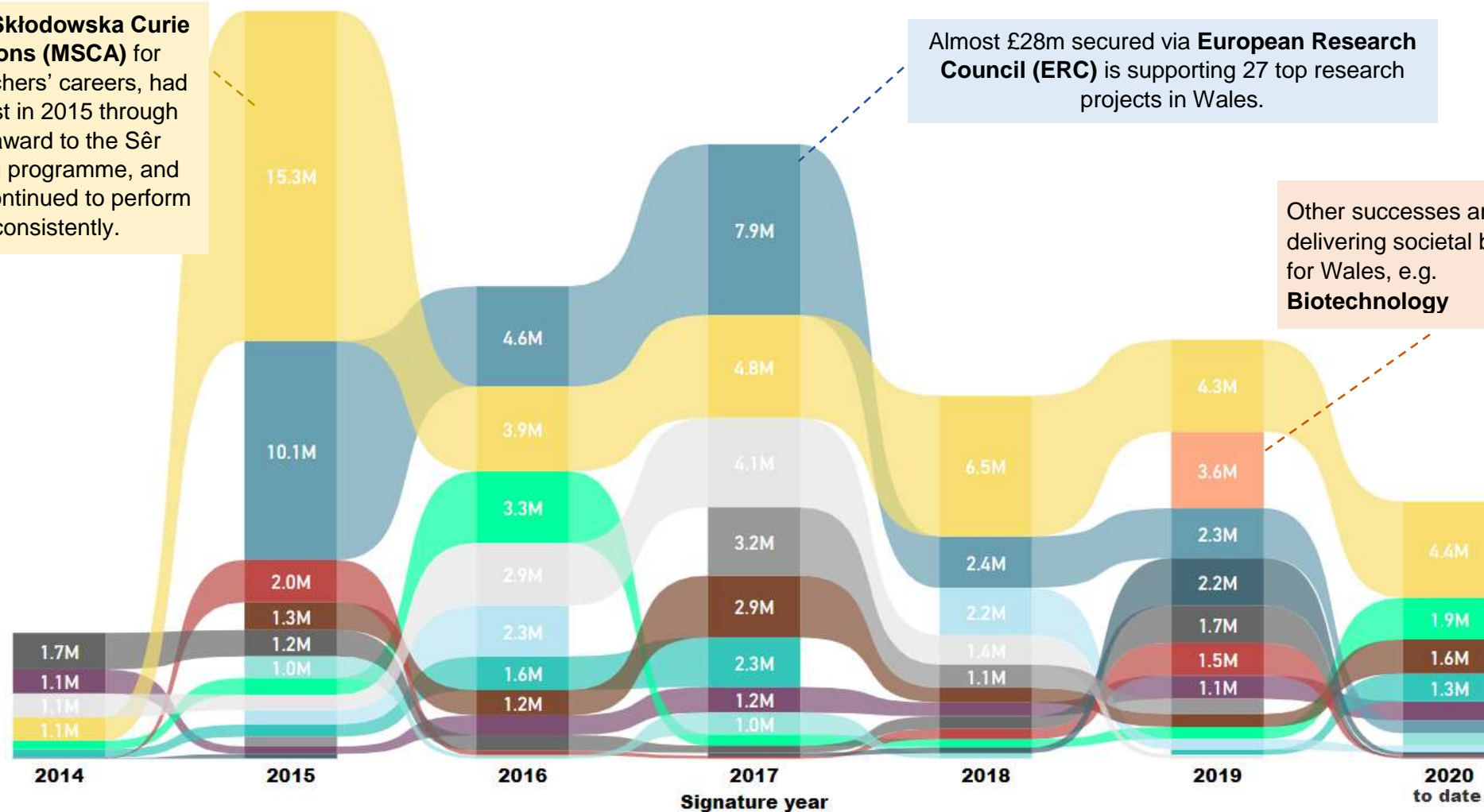
Welsh success is spread across the scientific, industrial and social parts of Horizon 2020.

Welsh H2020 Net EU Contribution by signature year and thematic priority

Marie Skłodowska Curie Actions (MSCA) for researchers' careers, had a boost in 2015 through the award to the Sêr Cymru programme, and have continued to perform consistently.

Almost £28m secured via **European Research Council (ERC)** is supporting 27 top research projects in Wales.

Other successes are delivering societal benefits for Wales, e.g. **Biotechnology**



Excellent Science

Investigating the physics of the universe



Simons Observatory, Chile.
Photo courtesy of Debra Kellner

Cardiff University has secured almost €2m for the [CMBForward project](#).

A team led by Professor Calabrese at Cardiff will analyse new data from the Atacama Cosmology Telescope and the Simons Observatory in Chile.

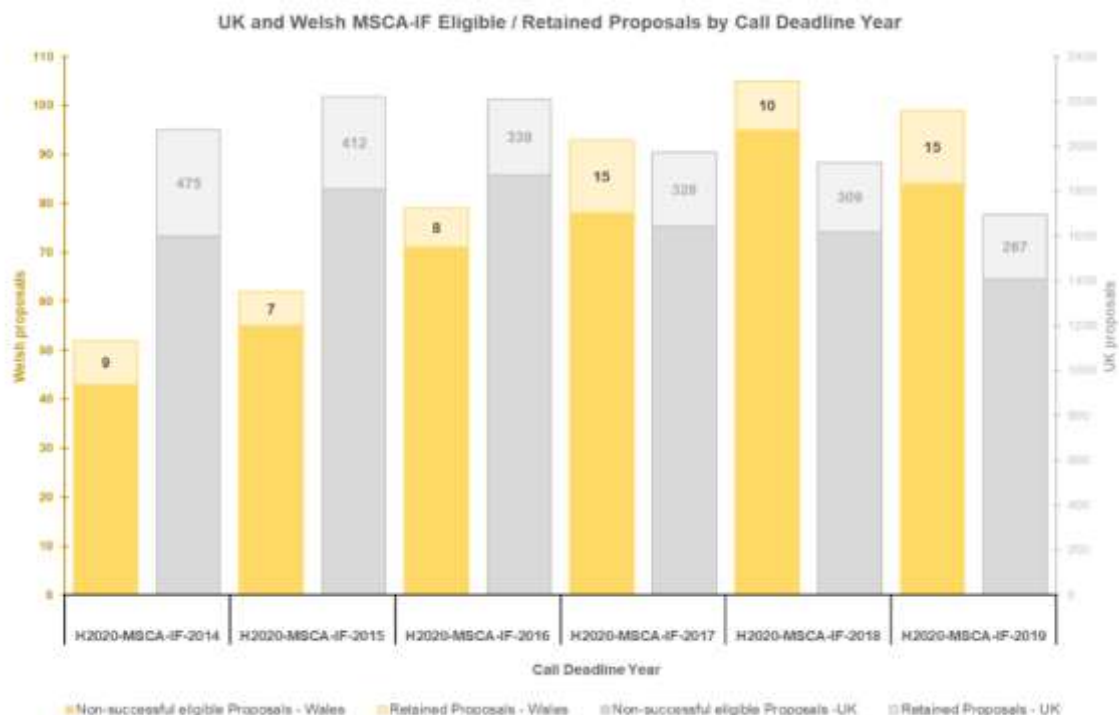
Cosmic Microwave Background (CMB) observations provide a unique window into the early universe and are key to answering our most important and unresolved questions

European Research Council (ERC) has three main categories of grant – Starter, Consolidator and Advanced. Wales has performed well in the starter and consolidator awards. Wales generates a high volume of excellent proposals to the ERC Advanced Grant but due to the oversubscription of the programme, many good applications are unfunded.

ERC Advanced Grant 2020 workshop

To help these high quality proposals get one step closer to securing success in the ERC Advanced Grant 2020 call, the Horizon 2020 Unit used [SCoRE Cymru](#) funding to procure expert training from [Yellow Research](#). The session was well-received, providing participants with insights on scoring more highly in the evaluation. The outcome of ERC Advanced grant 2020 call will be known in the New Year ([timeframe](#)) - good luck to all Welsh applicants!

Marie Skłodowska Curie Actions (MSCA) stimulate researcher mobility and international and inter-sectoral cooperation, with over £40m EU funding secured to date helping to boost Wales' research expertise and impact at both a local and global level.



Welsh performance in MSCA Individual fellowships (IF) scheme has remained consistent throughout H2020 and is an indication that Wales remains a desirable destination for top international science talent despite the UK/EU referendum, bucking the trend seen for the UK as a whole.

The MSCA IF 2020 call closed in September and attracted [a record number of proposals](#). We hope to report on further Welsh success in this call next year (selection results known by 9th February 2021, at the latest).

MSCA actions also support important international training networks and staff exchanges, such as IPN-Bio.

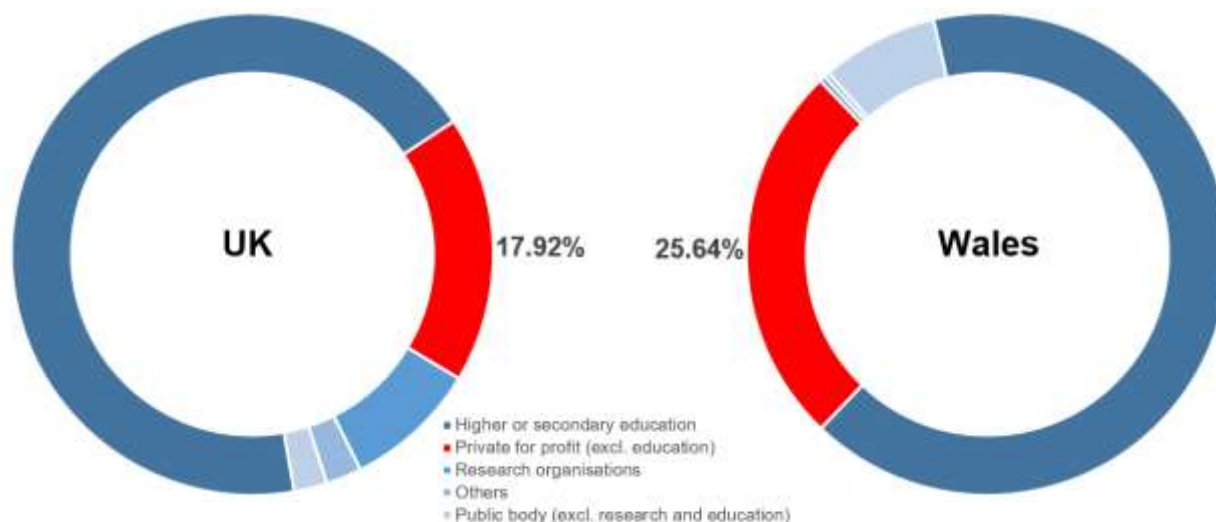
International and intersectoral collaboration boosting of R&I capacity

The [IPN-Bio project](#) sees Bangor University lead a consortium of 13 world-class academic organisations and private companies from 8 countries in Europe, the United States, Latin America, and China to train researchers in integrated photonic-nano technologies for bioapplications.

The combination of industrial and academic expertise will foster translation of cutting-edge research to real-world applications.

EU FUNDING TO WELSH **PRIVATE SECTOR** HAS EXCEEDED €35M AND ACCOUNTS FOR **OVER 25% OF ALL WELSH FUNDING SECURED**. THIS REPRESENTS A **GREATER SHARE THAN THE EQUIVARIANT IN THE UK**.

Breakdown of H2020 Net EU Contribution by type of organisation, UK and Wales



SCoRE Cymru

Since its launch in 2013, SCoRE Cymru has awarded £604k, yielding €8.1m of R&I funding to Wales. 59% of the commitment has been awarded to Welsh SMEs. Around a third of the funding secured as a result has come from the [EICA](#) (European Innovation Council Accelerator) or [Eureka Eurostars](#), such as Trameto Ltd.

Trameto Ltd - Innovative energy management solutions for Internet of Things

Development of power management integrated circuits for any-many-multi micro energy harvesting.

Chepstow based technology start-up company, Trameto Ltd, has secured €2.1m for their [HarvestAll project](#) through the European Innovation Council (EIC) Accelerator.

Trameto are a high technology company operating in the micro energy harvesting domain. Their HarvestAll power management technology aims to address the challenge of powering wireless Internet of Things (IoT) edge devices.

Welsh innovation is contributing to the fight against COVID-19.

In 2017, Abercynon-based IMSPEX Diagnostics Ltd secured €1.5m of EU funds to lead a Horizon 2020 project aiming to revolutionise the way respiratory illnesses are diagnosed and avoid the over, or misuse, of antibiotics. IMSPEX's breath analysis technology [has the potential to detect COVID-19](#).

Open to the World

Horizon 2020 involves 167 countries across the world and has created over 5,000 international collaborative links with Wales. International markets and partners will remain a focus of important programmes in future years, whether the UK participates in Horizon Europe as an associated or non-associated third country.

International collaborations by Welsh organisations in Horizon 2020



Map data extraction: 2018

To help create a pipeline of research and innovation links, the Horizon 2020 Unit has used SCoRE Cymru as an agile seed fund. We have sought to stimulate increased international R&I collaboration with priority partner regions whilst being open to wider possibilities. As the COVID-19 pandemic has hindered physical meetings, expenditure on travel has been reduced, but applications have increasingly included varied engagement activity.

SCoRE Cymru Call: Fostering science, research and innovation with priority partner regions

In collaboration with the Welsh Government International team, SCoRE Cymru delivered the research collaboration seed funding call, investing in projects which linked Welsh organisations with partners in multiple regions including Spain, Sweden, Netherlands, France, Germany, and the USA.

Professor Simon Middleburgh from Bangor University was one of the successful applicants:

“The SCoRE Cymru call enabled a group of researchers from Bangor University to travel to Västerås in Sweden, visiting one of Europe's largest nuclear fuel fabrication facilities and grow our research network. We met with a team from Westinghouse Electric Sweden and KTH University in Stockholm to discuss our present research and build collaborations for the future. Since the trip we have had 2 publications accepted in internationally acclaimed journals involving all three organisations, with a further 2 under consideration. PhD students Megan Owen and Fabio Martini are set to spend some time at the Westinghouse site in Sweden to grow their experience in the nuclear energy field. Further, a new PhD studentship further strengthening the collaboration is due to be advertised shortly related to new nuclear fuel development.

The seed funding highlighted areas that we at Bangor University should grow to aid the international nuclear industry and we are now populating new academic positions within the Nuclear Futures Institute (please see our website nubu.nu). I'd like to take this opportunity to thank all those involved including those at the Welsh Government, Dr. Michael Rushton (Bangor), Dr

Lee Evitts (Bangor), Prof. Pär Olssen, Dr. Antoine Claisse (Westinghouse), Mattias Puide (Westinghouse) and Magnus Limbäck (Fuel Cycle Research Lead at Westinghouse)."

Bilateral co-operation projects between Wales and the Basque Country

The Basque Country is one of the most successful regions in Europe in competitive Research and Innovation funding.

SCoRE Cymru has made available funding to encourage collaboration between Welsh and Basque partners. In February, we supported university, local government and private sector participants in the Wales – Basque Competitiveness Forum organised by Cardiff University and Deusto University.

Following the success of that seminar, a simultaneous call with the Basque Government for research and innovation collaboration followed. SCoRE Cymru has awarded almost £30,000 (£29,569.20) of grant to nine projects and the Basque Country is currently assessing bids for its budget of €40,000.

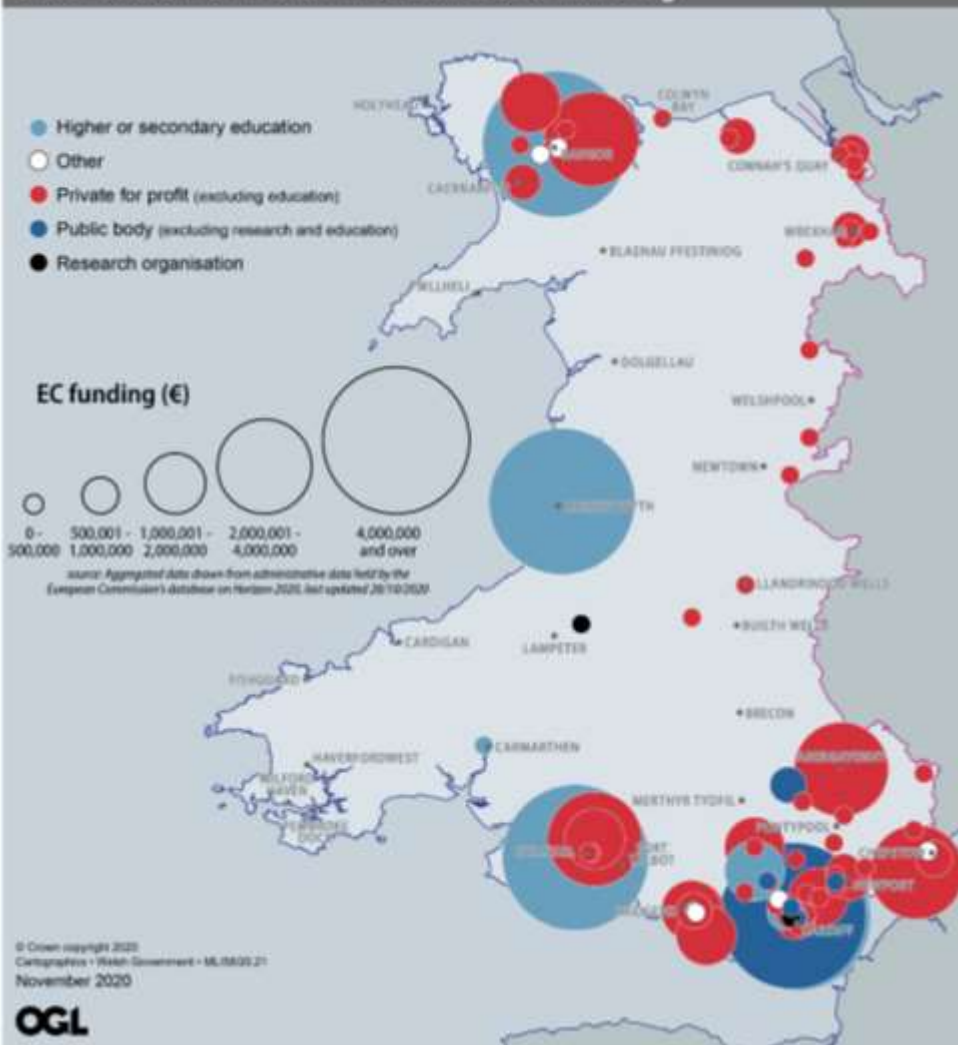
The domains covered in the Welsh projects include neuroscience, language, marine, creative aging, biosphere, a business innovation pilot, creative industries, and territorial politics. We look forward to following the progress of these projects over the coming months.

First Success for Wales – MSCA European Researchers' Night

The first ever European Researchers' Night in Wales was held on 27 November 2020.

The EU funded [ADIFF project](#) celebrated how EU funded researchers are making a difference to Welsh communities and beyond.

Distribution of Welsh Horizon 2020 funding



389

UNDERNEATH EVERY
HORIZON 2020 PARTICIPATION
THERE IS A STORY
OF SUCCESSFUL WELSH
SCIENCE AND INNOVATION

Horizon 2020 has not only connected international partners, it has funded collaboration within Wales and the UK.

Welsh organisations from higher education, industry and the public sector are working together on projects such as [SUMCASTEC](#), [PLUG-N-HARVEST](#) and the industrial Biotechnology project VAMOS.

Aberystwyth University and Fiberight Ltd - Creating value from Waste

Aberystwyth University and environmental technology experts Fiberight Ltd are part of an 11-strong European consortium working on [VAMOS](#), a biobased project on the valorisation of municipal solid waste (MSW). The VAMOS (Value Added Materials from Organic Waste Sugars) is funded by the Bio-Based Industries Joint Undertaking (BBI JU) under the European Union's Horizon 2020 research and innovation programme. The aim is to showcase, at demonstration scale, the feasibility of producing second-generation sugars from paper and card-based material retrieved from MSW and converting these sugars to biobased products and materials.

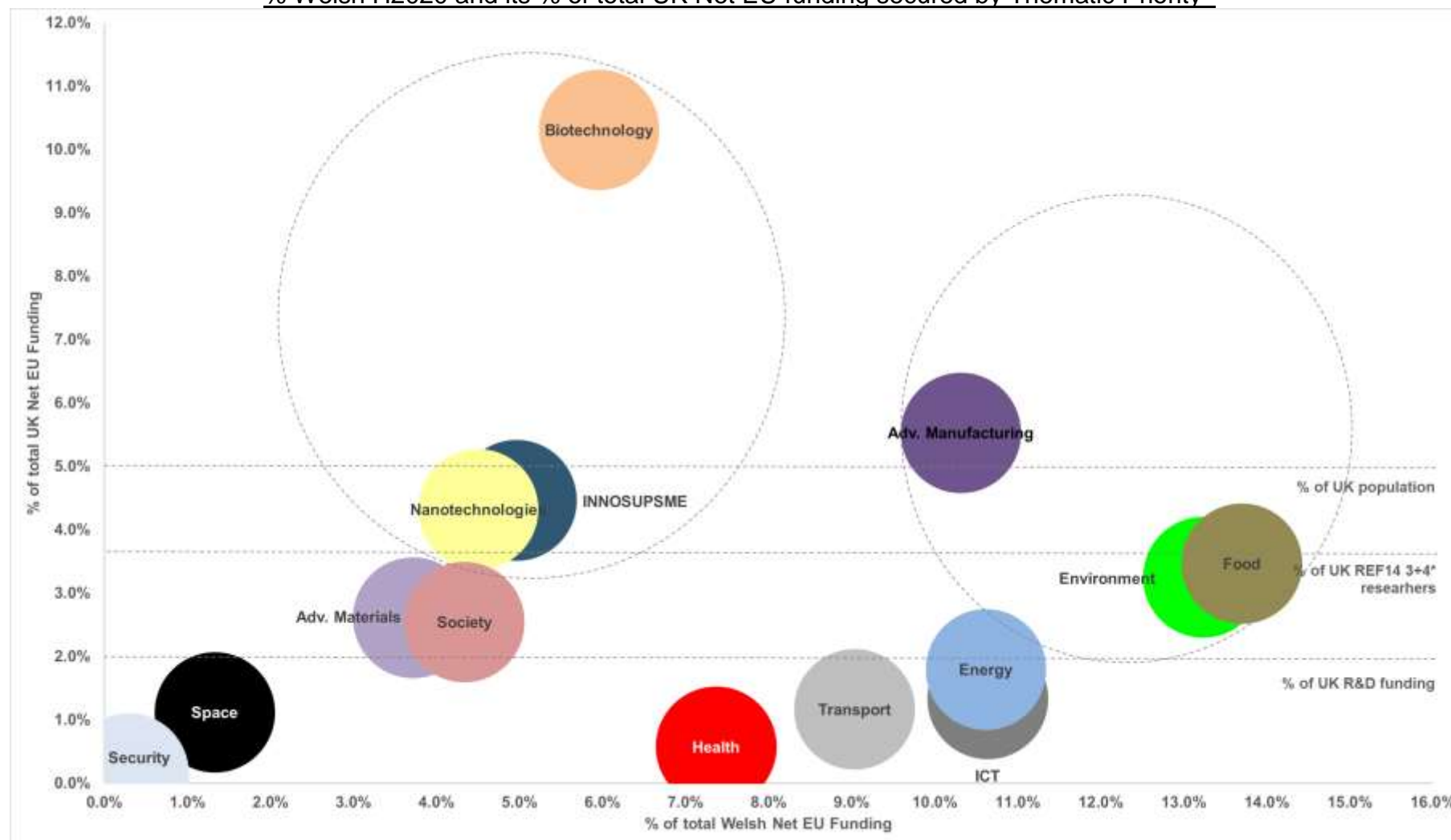
Dr Ana Winters and fellow team members at Aberystwyth University's Institute of Biological Rural and Environmental Sciences (IBERS) will be involved in the transfer of technologies developed in previous projects, supported by Innovate UK, on the production and purification of lactic acid from MSW sugars. They will also extract a lignin stream for the production of epoxy resins. The successful demonstration of production and valorisation of sugars will make a valuable contribution to the development of a zero waste circular economy.

A list of Welsh organisations securing over £4m H2020 funding is available at [annex a](#).

STRENGTH IN THEMES

The following graph illustrates **Welsh thematic performance**² in relation to the UK's funding and the Welsh overall funding. Themes in the top right are both capturing a significant proportion of UK funding and have critical mass in terms of volume of funding (e.g. Advanced Manufacturing). Those on the top left may represent niche areas that are small but where Wales plays an important role (e.g. Biotechnology).

% Welsh H2020 and its % of total UK Net EU funding secured by Thematic Priority ²



² Amounts and %s relate to EU Net Funding for Pillars 2 and 3 only, i.e. Industrial Leadership and Societal Challenges. Funding via pillar 1, Excellence Science, is not thematically categorised but represents the majority of Welsh Horizon 2020 funding secured.

OVER £500m of EU STRUCTURAL FUNDS³ HAS BEEN INVESTED IN RESEARCH AND INNOVATION BY THE WELSH GOVERNMENT IN THE CURRENT EUROPEAN STRUCTURAL AND INVESTMENT FUND (ESIF) PROGRAMME.

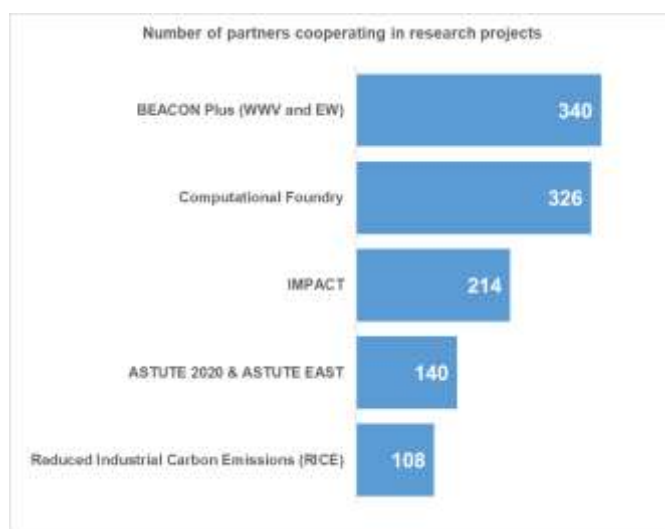
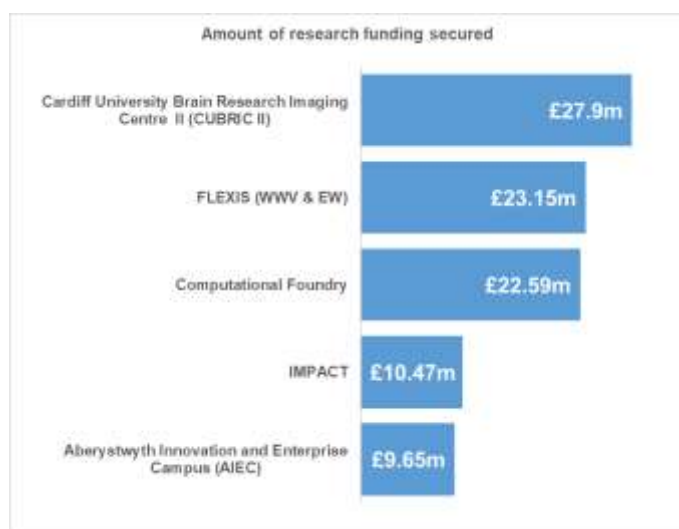


Over the past two decades, structural funds investment in R&I has played a vital role in growing Wales' research capacity and infrastructure. Through the current European Structural and Investment Fund (ESIF) programme (2014-20) the Welsh Government has invested over £500m towards Welsh R&I, building on past capacity and Wales' Smart Specialisation opportunities in Life Sciences, Energy, Advanced Engineering and ICT.

This has included European Regional Development Fund (ERDF) investments in the CUBRIC II ([Cardiff University brain research imaging centre](#)), ASTUTE 2020 ([Advanced Sustainable Manufacturing Technologies](#)), and CEMET ([Centre of Excellence in Mobile and Emerging Technologies](#)). Many of these operations will continue to 2023.

To date, the current ERDF R&I portfolio has recorded over £116m⁴ in competitive funding. It has also facilitated over 1800 partners cooperating in research projects leading to commercial products, processes and services. Due to the strict reporting requirements of ERDF, these figures do not include some large-scale linked investments that would not have been possible without long term structural funding.

Top five ERDF operations by research funding secured and co-operations to date.



³ Reference or calculation. Details of approved EU Structural Funds Projects are available online <https://gov.wales/eu-structural-funds-programme-2014-2020-approved-projects> Rural development programme: <https://businesswales.gov.wales/walesruralnetwork/wrn-support-unit/rural-development-programme-funding>

⁴ Reported to WEFO as of September 2020

The Welsh Government support from EU funds has enabled decades of sustained investment.

These successive investments have helped maintain and grow the volume, quality and international reach of our research base, including via the Horizon 2020 programme.



Cardiff University is imparting its expertise in the £11.5m [FLEXnCONFU](#) project. The project focuses on ammonia, a compound commonly used as a fertilizer, and developing its potential as a carbon-free solution to back up more traditional energy generating systems.

Using the state-of-the-art facilities at the University's Gas Turbine Research Centre (GTRC) and the School of Engineering, the

university has secured £1.2m (£380k directly for Cardiff University) of the EU funding to design a bespoke combustion system for implementation in a pilot gas turbine plant.

Research at Cardiff University is leading the way in ammonia-powered energy, having also secured £1.9m EPSRC funding to enhance capabilities at the world's first Green Ammonia power demonstrator developed by Siemens, Cardiff, and Oxford University.

Wales' recognised energy systems research capability has been backed by long-term European Structural Investment Funds investment through the Welsh Government. Helping to enhance the GTRC in Port Talbot and supporting the ongoing FLEXIS (Flexible Integrated Energy Systems) £24 million energy systems operation.

Government and third sector.

Innovation and research are not restricted to universities or businesses. As well as innovating and carrying out research themselves, governments, charities and civil society are vital in order to ensure that innovation achieves the changes it seeks in a responsible and sustainable manner.

At the European Commission's Research and Innovation Days in 2020, the European Commission gave a glowing reference to the Welsh Government's Well Being of Future Generations Act. The [Foresight session](#) was brought to a close with the statement that all governments should adopt such an approach.

TRACER - Facilitating transition in coal intensive regions

Welsh Government is a partner in the TRACER project, funded through the EU's Horizon 2020 research and innovation programme.



TRACER supports nine coal-intensive regions in and around Europe to design or review their Research and Innovation (R&I) strategies to facilitate transition towards a sustainable energy system. Welsh Government is working closely with Strathclyde University to reflect on experiences of this transition in Wales and consider the competitive strengths and opportunities for Welsh research, innovation and skills in the transition to low carbon and sustainable energy generation, distribution and efficient use.

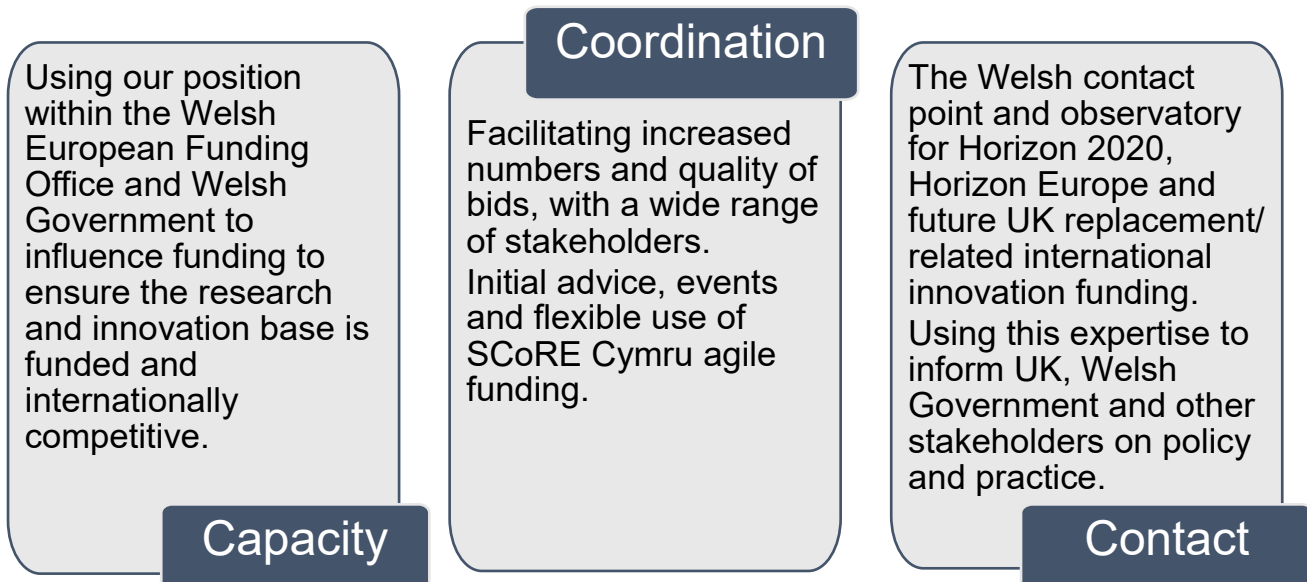
More information about TRACER can be found at <https://tracer-h2020.eu/>



Horizon 2020 Unit

The Welsh Government's Horizon 2020 Unit is available to support all Welsh organisations considering applying for research and innovation funding from the EU.

We work closely with partners at Welsh, UK and EU level to co-ordinate and facilitate the wide range of support and advice available for the benefit of Welsh organisations.



If you have any questions please get in touch: horizon2020@gov.wales

This year has seen a significant increase in the Horizon 2020 Units contributions to future R&I funding policy, whether informing [Baden Wuerttemberg's future relationship with the UK](#), UK Government plans for post-2020 funding or Welsh Government inter-departmental management of research and innovation.

The Unit has also played a role in the Welsh Government's [Framework for Regional Investment](#), in particular working with the International and Cross-Border Sub-Group to ensure coverage of international and cross-border activities (p14-15), as well as innovation and research across the programme.

Annex A –Welsh organisations securing over £4m H2020 funding to date¹

Legal Name	H2020 Net EU Contribution	Organisation Profile
CARDIFF UNIVERSITY	€ 53,638,947	http://ec.europa.eu/research/participants/portal/desktop/en/organisations/org_profile.html?pic=999979694
SWANSEA UNIVERSITY	€ 15,976,603	http://ec.europa.eu/research/participants/portal/desktop/en/organisations/org_profile.html?pic=999862033
BANGOR UNIVERSITY	€ 9,757,679	http://ec.europa.eu/research/participants/portal/desktop/en/organisations/org_profile.html?pic=999823815
WELSH GOVERNMENT	€ 9,713,836	http://ec.europa.eu/research/participants/portal/desktop/en/organisations/org_profile.html?pic=998043380
ABERYSTWYTH UNIVERSITY	€ 9,659,032	http://ec.europa.eu/research/participants/portal/desktop/en/organisations/org_profile.html?pic=999853012

Annex B - List of Welsh Horizon 2020 projects with signed grant agreements 2019 to date¹

Project Acronym	Project Title	Thematic Priority	CORDIS link
TEXTEVOLVE	A New Approach to the Evolution of Texts Based on the Manuscripts of the Targums	ERC	http://cordis.europa.eu/project/id/818702
ArthritisHeal	Establishing the molecular fundamentals of arthritic diseases – a step forward to Heal Arthritis	MSCA	http://cordis.europa.eu/project/id/812890
DEVORHBIOSHIP	The Developmental Origins of Health: Biology, Shocks, Investments, and Policies	ERC	http://cordis.europa.eu/project/id/819752
TRACER	Smart strategies for the transition in coal intensive regions	ENERGY	http://cordis.europa.eu/project/id/836819
CHARISMA	ENTREPRENEURING CHEMICAL IRREVERSIBILITY TO PROTOTYPE RESPONSIVE SMART LABELS	MSCA	http://cordis.europa.eu/project/id/814299
deCrYPtion	Decrypting Mycobacterium cytochrome P450 (CYP) physiological functions by testing hypotheses emitted from large-scale comparative genomics analysis	MSCA	http://cordis.europa.eu/project/id/839116
MOCHA	Understanding and leveraging 'moments of change' for pro-environmental behaviour shifts	ERC	http://cordis.europa.eu/project/id/820235
EvoPlans	The Evolution of Terrestrial Planets: Insights from Models of Planetary Evolution with Coupled Internal, Atmospheric/Surface Development	MSCA	http://cordis.europa.eu/project/id/839107
ZANBA	Zooarchaeology of the Nuragic Bronze Age	MSCA	http://cordis.europa.eu/project/id/839517
MAIRWEN	Mapping Argument Structure in Early Irish and Welsh	MSCA	http://cordis.europa.eu/project/id/839809
REEFCLAM	GSnapshots of tropical Pacific climate variability during the time of Lapita ocean voyaging: giant clam fossils from Fijian shell middens as high resolution archives of climate information.	MSCA	http://cordis.europa.eu/project/id/837992
SUPERTEFF	A new paradigm in boosting orphan crops to super grains: Linking metabolomics and gene editing to improve Teff for global food security and sustainable agriculture	MSCA	http://cordis.europa.eu/project/id/842118
NP-SPAD	Uncooled Nanopillar Single-Photon Avalanche Diodes (NP-SPADs) at Telecommunication Wavelengths	MSCA	http://cordis.europa.eu/project/id/844633
FISHSCALE	Disentangling Cross-Scale Drivers of Coral Reef Fish Community Structure for Ecosystem-Based Management	MSCA	http://cordis.europa.eu/project/id/844213
5G-ACE	Beyond 5G: 3D Network Modelling for THz-based Ultra-Fast Small Cells	MSCA	http://cordis.europa.eu/project/id/839573
CREdit	Chronological REference Datasets and Sites (CREdit) towards improved accuracy and precision in luminescence-based chronologies	MSCA	http://cordis.europa.eu/project/id/844457
DCP	Design Challenge Pilot	INNOSUPSME	http://cordis.europa.eu/project/id/853667
DestinationUX	Improve SMEs experience from Innovation Support Programmes	INNOSUPSME	http://cordis.europa.eu/project/id/853668
PERCEPTIONS	Understand the Impact of Novel Technologies, Social Media, and Perceptions in Countries Abroad on Migration Flows and the Security of the EU & Provide Validated Counter Approaches, Tools and Practices	SECURITY	http://cordis.europa.eu/project/id/833870
VAMOS	Value added materials from organic waste sugars	LEIT-BIOTECH	http://cordis.europa.eu/project/id/837771
FineFuture	Innovative technologies and concepts for fine particle flotation: unlocking future fine-grained deposits and Critical Raw Materials resources for the EU	ENV	http://cordis.europa.eu/project/id/821265

ConcePTION	Building an ecosystem for better monitoring and communicating of medication safety in pregnancy and breastfeeding: validated and regulatory endorsed workflows for fast, optimised evidence generation	HEALTH	http://cordis.europa.eu/project/id/821520
AVIATOR	Assessing aViation emission Impact on local Air quality at airports: TOwards Regulation	TPT	http://cordis.europa.eu/project/id/814801
LASH FIRE	Legislative Assessment for Safety Hazards of Fire and Innovations in Ro-ro ship Environment	TPT	http://cordis.europa.eu/project/id/814975
ROADMAP	Rethinking Of Antimicrobial Decision-systems in the Management of Animal Production	FOOD	http://cordis.europa.eu/project/id/817626
RAPTOR	Research of Aviation PM Technologies, mOdelling and Regulation	TPT	http://cordis.europa.eu/project/id/863969
DigiPLACE	Digital Platform for Construction in Europe	LEIT-ICT	http://cordis.europa.eu/project/id/856943
HIPERION	HYBRID PHOTOVOLTAICS FOR EFFICIENCY RECORD USING INTEGRATED OPTICAL TECHNOLOGY	ENERGY	http://cordis.europa.eu/project/id/857775
SMARTINCS	Self-healing, Multifunctional, Advanced Repair Technologies IN Cementitious Systems	MSCA	http://cordis.europa.eu/project/id/860006
FertiCycle	New bio-based fertilisers from organic waste upcycling	MSCA	http://cordis.europa.eu/project/id/860127
proEVLifecycle	The life cycle of extracellular vesicles in prostate cancer: from biogenesis and homing, to functional relevance	MSCA	http://cordis.europa.eu/project/id/860303
HyperCOG	Hyperconnected Architecture for High Cognitive Production Plants	LEIT-ADVMANU	http://cordis.europa.eu/project/id/869886
CMBforward	A programme for cosmology from current and next-generation Cosmic Microwave Background experiments	ERC	http://cordis.europa.eu/project/id/849169
FNS-Cloud	Food Nutrition Security Cloud	FOOD	http://cordis.europa.eu/project/id/863059
LIGHT4LUNGS	Inhalable Aerosol Light Source for Controlling Drug-Resistant Bacterial Lung Infections	FET	http://cordis.europa.eu/project/id/863102
Nanolace	Mask Based Lithography for Fast, Large Scale Pattern Generation with Nanometer Resolution	FET	http://cordis.europa.eu/project/id/863127
HarvestAll	Development of energy management integrated circuits for any-many-multi micro energy harvesting	INNOSUPSME	http://cordis.europa.eu/project/id/871747
InSiDe	Integrated silicon photonics for Cardiovascular Disease monitoring	LEIT-ICT	http://cordis.europa.eu/project/id/871547
FACTLOG	Energy-aware Factory Analytics for Process Industries	LEIT-ADVMANU	http://cordis.europa.eu/project/id/869951
iNavigate	Brain-inspired technologies for intelligent navigation and mobility	MSCA	http://cordis.europa.eu/project/id/873178
DIH4CPS	Fostering DIHs for Embedding Interoperability in Cyber-Physical Systems of European SMEs	LEIT-ICT	http://cordis.europa.eu/project/id/872548
SOAR	Solitude: Alone but Resilient	ERC	http://cordis.europa.eu/project/id/851890
DORNA	Development of high reliability motor drives for next generation propulsion applications	MSCA	http://cordis.europa.eu/project/id/872001
IPN-Bio	Integrated Photonic-Nano Technologies for Bioapplications	MSCA	http://cordis.europa.eu/project/id/872049
RADON	Irradiation driven nanofabrication: computational modelling versus experiment	MSCA	http://cordis.europa.eu/project/id/872494
P4	Plight of Pelagic Primary Producers in a Changing Marine Environment	MSCA	http://cordis.europa.eu/project/id/837096
ZeroAMP	Nanomechanical Switch-Based Logic and Non-Volatile Memory for Robust Ultra-Low Power Circuits	LEIT-ICT	http://cordis.europa.eu/project/id/871740
DocTIS	DECISION ON OPTIMAL COMBINATORIAL THERAPIES IN IMIDS USING SYSTEMS APPROACHES	HEALTH	http://cordis.europa.eu/project/id/848028
NSC-Reconstruct	Novel Strategies for Cell-based Neural Reconstruction	HEALTH	http://cordis.europa.eu/project/id/874758
ENIW	Services to enhance innovation management capacities of SMEs in England, Northern Ireland and Wales	INNOSUPSME	http://cordis.europa.eu/project/id/879778
DiSSCo Prepare	Distributed System of Scientific Collections - Preparatory Phase Project	INFRA	http://cordis.europa.eu/project/id/871043
JERICO-S3	Joint European Research Infrastructure of Coastal Observatories: Science, Service, Sustainability - JERICO-S3	INFRA	http://cordis.europa.eu/project/id/871153
GrapheneCore3	Graphene Flagship Core Project 3	FET	http://cordis.europa.eu/project/id/881603
PHERA	PhERomones for Row crop Applications	FOOD	http://cordis.europa.eu/project/id/886662
EQUATE	Bridging Europe: A Quaternary Timescale For The Expansion And Evolution Of Humans	ERC	http://cordis.europa.eu/project/id/865222
AQUACOSM-plus	Network of Leading Ecosystem Scale Experimental AQUatic MesoCOSM Facilities Connecting Rivers, Lakes, Estuaries and Oceans in Europe and beyond	INFRA	http://cordis.europa.eu/project/id/871081
BONEZ	Baltic Paganism, Osteology, and New Examinations of Zooarchaeological Evidence	MSCA	http://cordis.europa.eu/project/id/893072
TUECS	The Uberization of Europol's Cybercrime Strategy: An Innovative Governance Model on Public-Private Partnership	MSCA	http://cordis.europa.eu/project/id/886141
ReMiCom	The Challenges of Return Migration in Africa in the Age of Complex Emergencies: Comparing Multilevel Governance Systems in Ethiopia and Nigeria	MSCA	http://cordis.europa.eu/project/id/895779
USHPP	Unassisted photochemical water oxidation to solar hydrogen peroxide production	MSCA	http://cordis.europa.eu/project/id/892213

FLEXnCONFU	FLExibilize combined cycle power plant through power-to-X solutions using non-CONventional FUEls	ENERGY	http://cordis.europa.eu/project/id/884157
ENTRANCES	ENergy TRANsitions from Coal and carbon: Effects on Societies	ENERGY	http://cordis.europa.eu/project/id/883947
PiCOGAMBAS	Precision Cosmology with Galaxy and Microwave Background surveys	MSCA	http://cordis.europa.eu/project/id/892401
SUSBANK	Environmental Sustainability Engagement of Banks and Systemic Risk	MSCA	http://cordis.europa.eu/project/id/896016
IPAP	The Intersectional Politics of Antagonism in Peacebuilding	MSCA	http://cordis.europa.eu/project/id/894411
TRANslation	Trans in Translation: Multilingual practices and local/global gender and sexuality discourses in Polish transition narratives	MSCA	http://cordis.europa.eu/project/id/882747
COCONUT	Computational Complexity in Quantum Mechanics	MSCA	http://cordis.europa.eu/project/id/885904
METASINK	Nonlinear Energy Sink Metamaterial Approaches for Flow-Induced Vibration Attenuation	MSCA	http://cordis.europa.eu/project/id/896942
INNODIA HARVEST	Translational approaches to disease modifying therapy of type 1 diabetes - HARVESTing the fruits of INNODIA	HEALTH	http://cordis.europa.eu/project/id/945268
DOWN2EARTH	DOWN2EARTH: Translation of climate information into multilevel decision support for social adaptation, policy development, and resilience to water scarcity in the Horn of Africa Drylands	ENV	http://cordis.europa.eu/project/id/869550
PROTECT	PROjecTing sEa-level rise : from iCe sheets to local implicaTions	ENV	http://cordis.europa.eu/project/id/869304
MIXED	Multi-actor and transdisciplinary development of efficient and resilient MIXED farming and agroforestry-systems	FOOD	http://cordis.europa.eu/project/id/862357
P4	Plight of Pelagic Primary Producers in a Changing Marine Environment	MSCA	http://cordis.europa.eu/project/id/885498
JUSTNORTH	Toward Just, Ethical and Sustainable Arctic Economies, Environments and Societies	ENV	http://cordis.europa.eu/project/id/869327
TransIT	Many Diasporas from One Transnational Italy	MSCA	http://cordis.europa.eu/project/id/892584
SMART-UP	Smart Tall Buildings by using Piezoelectricity in Joints	MSCA	http://cordis.europa.eu/project/id/890419
SECURE BORDERS	The EU Migration/Refugee crisis and border security: a contribution to theory and practice through the case of Hungarian-Serb border policing practices	MSCA	http://cordis.europa.eu/project/id/891768
INSTRUCT	Evidence-based market and policy instruments Implementation across EU to increase the demand for eNergy Skills across conSTRUCTION sector value chain	ENERGY	http://cordis.europa.eu/project/id/894756
IT2	IC Technology for the 2nm Node	LEIT-ICT	http://cordis.europa.eu/project/id/875999
HBP SGA3	Human Brain Project Specific Grant Agreement 3	FET	http://cordis.europa.eu/project/id/945539
ADIFF	European Researchers' Night Cymru - Making a Difference in Wales	MSCA	http://cordis.europa.eu/project/id/955277
PONDERFUL	POND Ecosystems for Resilient FUTURE Landscapes in a changing climate	ENV	http://cordis.europa.eu/project/id/869296
OPTIMAI	Optimizing Manufacturing Processes through Artificial Intelligence and Virtualization	LEIT-ADVMANU	http://cordis.europa.eu/project/id/958264
SelISTEM	Spatial thinking in STEM learning: Training a new generation of researchers to increase enrolment and gender balance in STEM learning by addressing deficits in spatial ability among children in Europe	MSCA	http://cordis.europa.eu/project/id/956124
QUANTIMONY	Quantum Semiconductor Technologies Exploiting Antimony	MSCA	http://cordis.europa.eu/project/id/956548
LasIonDef	Training on Laser Fabrication and Ion Implantation of Defects as Quantum Emitters	MSCA	http://cordis.europa.eu/project/id/956387
VPP4ISLANDS	Virtual Power Plant for Interoperable and Smart isLANDS	ENERGY	http://cordis.europa.eu/project/id/957852
SMARTBUILT4EU	The EU Smart Building Innovation Platform	ENERGY	http://cordis.europa.eu/project/id/956936
FOOD TRAILS	Building pathways towards FOOD 2030-led urban food policies	FOOD	http://cordis.europa.eu/project/id/101000812
DesImO	Design Impact Observatory	INNOSUPSME	http://cordis.europa.eu/project/id/959271
iWAYS	Innovative WAter recoverY Solutions through recycling of heat, materials and water across multiple sectors	LEIT-ADVMANU	http://cordis.europa.eu/project/id/958274