

INFORMATIVE BULLETIN



JUNE 2019
R + I IN THE EU N° 7

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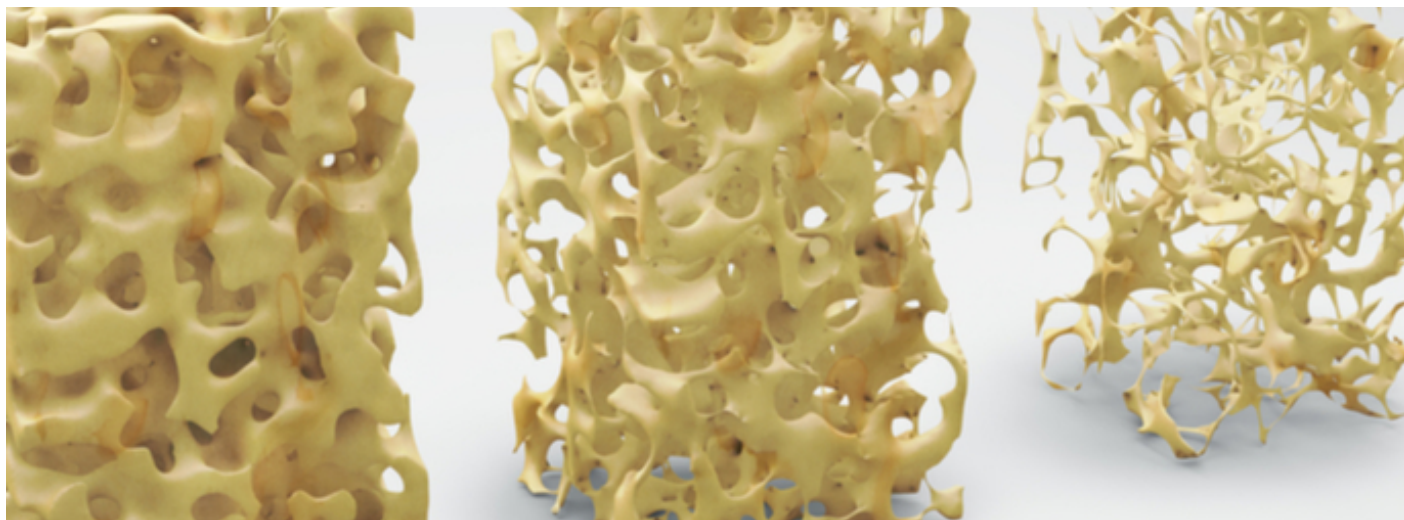
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2018 
EUROPEAN YEAR
OF CULTURAL
HERITAGE
#EuropeForCulture

"PEACE AND
UNITY DEPENDS
ON ALL"



LA FUNCIÓN DE LA VITAMINA K EN LA SALUD CARDIOVASCULAR Y LA RESISTENCIA ÓSEA



A new study has shown that vitamin K2 could increase the use of calcium and the safety of geriatric treatments against bone loss.

Calcium is a crucial mineral that the body needs for good health. Many people take calcium supplements hoping to strengthen their bones, particularly when they suffer from osteoporosis, a condition in which the density and quality of bones are reduced. However, the safety of calcium supplements has been questioned because of their possible association with cardiovascular risk.

Partially supported by the EU-funded INTRICARE project, a team of researchers has examined the impact of calcium supplementation on bone and cardiovascular health, and the role of vitamin K in providing a safer treatment of osteoporosis.

ACCESS TO COMPLETE NEWS



INTRICARE



Over 99 % of total body calcium is stored in teeth and bones. The remainder is present in blood, extracellular fluid, muscle and other tissues. The existence of calcium salts outside the bone is referred to as extra-skeletal calcification. In the paper, the researchers explain the notion of “calcium paradox” that involves the paradoxical coexistence of reduced bone mineral density and increased vascular calcification under several pathological conditions. They emphasise that this is particularly common in post-menopausal osteoporotic women and patients with chronic kidney disease.

The article notes that “vitamin K could serve as complementary nutrient to calcium (and vitamin D) to protect from increased risk for vascular calcification thereby allowing more safe treatment of osteoporosis.” It adds: “The combination of vitamin K and calcium could reduce risk on post-menopausal bone and simultaneously prevent vascular calcification, thereby aiding the beneficial effects of calcium in bone and preventing the negatively associated vascular effects of supplemental calcium intake.”

BRINGING DOWN THE BARRIERS TO THE UPTAKE OF CLEAN ENERGY SOLUTIONS IN EUROPE



Wind, sun, hydro, tidal, geothermal and biomass are all renewable energy sources (RESs). By using still more renewables to meet energy needs, the EU can reduce its dependence on imported fossil fuels while increasing energy production sustainability. Accelerating the uptake of renewable energies represents a key solution to decarbonisation and climate change mitigation.

Thanks to the adoption of specific EU legislation, the Renewable Energy Sources Directives and the adoption of more efficient, cost-effective technologies, the production of energy based on renewable sources is steadily increasing.

The EU's Renewable Energy Directive (2009/28/EC) set an overall binding target of 20 % final energy consumption from renewable sources by 2020. Each EU country has set its own individual goals – from 10 % in Malta to 49 % in Sweden.

RES share in the EU energy mix reached 17.5 % in 2017, up from 11.3 % in 2008, before the RES Directive entered into force. 2020 renewable energy targets had have played a very important role into that and the EU is on track to achieve them, but now Europe has developed and is challenged to implement a new agenda to take it through another decade of renewable energy production.

Based on the latest biennial report published in 2019, Eurostat data confirms the vast majority of EU countries are well on track to reach their 2020 binding targets for renewable energy EU Climate Action.

The EU, through its Horizon 2020 (H2020) programme, is devoted to finding and supporting new and innovative solutions that will help Europe to successfully address these goals – ranging from light and heat from the Sun to the Earth's depths with geothermal and all nature's energy sources captured in between. Within this framework program, the European projects AURES, AURES II, CoolHeating, Prosumers4Grid, BestRE S, BioVill, WinWin, SECURECHAIN y SEE MLA are specifically aimed at addressing market barriers and accelerating the uptake of renewable energy technologies.

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DOCUMENTO RELACIONADO



Clean energy for all Europeans

RARE CROPS CRUCIAL TO PROTECT EUROPE'S FOOD SUPPLY, BOOST HEALTH



Rye bread or porridge oats may not be everyone's first choice of breakfast, but scientists say Europeans need to broaden their taste in cereals both to boost their own health and to protect the future of Europe's farming. Wheat makes up nearly half of all cereals grown in the EU. The rest is mainly maize and barley. Although Europe's strategy to focus on a few high-yielding plants has produced bumper harvests, the lack of genetic variation means the crops are more susceptible to disease, pests and drought, scientists say.

Researchers on the HealthyMinorCereals project evaluated more than 1,700 genotypes – sets of genes in a plant's DNA – for specific traits including yield, nutritional quality and resistance to disease. They carried out field experiments in Estonia, the UK, the Czech Republic and Crete.

The project's results should help breeders develop varieties of cereal – including common wheat – which are better suited to the changing climate and need fewer pesticides. For example, the researchers found one genotype of spelt that is resistant to a fungus called fusarium head blight. Globally, more than 6,000 plant species have been cultivated for food, but just nine of these account for 66% of the world's crop production, according to the UN's Food and Agriculture Organization (FAO).

Growing a diverse range of crops and cutting the amount of chemical inputs is better for the environment, and the health of the soil.

Some of the minor cereals contain more health-boosting nutrients like iron, zinc and antioxidants compared to common wheat, the researchers found. Fears about the lack of diversity on farms are widespread, even affecting traditional farmers working on small farms high up in the Andes mountains in South America. Some of them are ditching a wide variety of crops in favour of quinoa, a lucrative 'superfood' which has become popular in Europe and North America.

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EFSA EXPLAINS ZOO NOTIC DISEASES



EU ADOPTS NEW RULES ON FERTILISERS



The EU is adopting new rules for placing fertilising products on the EU market. The Council today adopted a regulation which harmonises the requirements for fertilisers produced from phosphate minerals and from organic or secondary raw materials in the EU, opening up new possibilities for their production and marketing on a large scale.

According to the regulation, EU fertilising products bearing the “CE marking” will have to fulfil certain requirements to benefit from free circulation in the EU’s internal market. These include obligatory maximum contaminant levels, the use of defined component material categories and labelling requirements. Manufacturers of fertilisers that do not bear the CE marking will still have the possibility of placing them on their national market. The new regulation, which replaces the previous 2003 fertilisers regulation, covers all types of fertilisers (mineral, organic, soil improvers, growing matters, etc.).

These new rules will ensure that only fertilisers that meet high quality and safety EU-wide requirements and standards can be sold freely across the EU. The contaminants in EU phosphate fertilising products, such as cadmium, can potentially pose a risk to human, animal or plant health, to safety or to the environment and for this reason, the content of such contaminants was limited according to the new rules. The new rules will boost the production and use of phosphate fertilizers with low cadmium content and of organic fertilisers and will provide a greater choice to farmers oriented towards a more environment-friendly agriculture.

The regulation still has to be signed and published in the Official Journal of the EU. It will enter into force on the twentieth day following that of its publication. It will start applying three years from its entry into force.

The Commission presented its proposal in March 2016 as part of the EU’s circular economy action plan. One of its main objectives is to encourage large scale fertiliser production from domestic organic or secondary raw materials in line with the circular economy model, by transforming waste into nutrients for crops.

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EU RECOGNISES PROGRESS MADE BY DIGITAL PLATFORMS TO COMBAT MISINFORMATION



The European Commission published the reports and analysis of the progress made in April 2019 by Facebook, Google and Twitter to fight disinformation. The three online platforms are signatories to the Code of Practice against disinformation and have committed to report monthly on measures taken ahead of the European Parliament elections in May 2019.

Google reported on additional measures taken to improve scrutiny of ad placements in the EU, including a breakdown per Member State. It noted the availability of the EU Transparency Report on political advertising and its searchable ad library, including the possibility to use Google Cloud's BigQuery application programming interface to run customised queries.

Facebook reported on measures taken in the EU against ads that violated its policies for containing low quality, disruptive, misleading or false content or trying to circumvent its systems. It started enforcing its policy on political and issue-based advertising mid-April and removing non-compliant ads from Facebook and Instagram.

Twitter reported on ads rejected for not complying with its policies on unacceptable business practices and quality ads. It provided information on ads not served because of uncompleted certification process that is obligatory for political campaign advertisers. Twitter reported on a new election integrity policy, prohibiting specific categories of manipulative behaviour and content, such as misleading information about how to participate in the elections and voter intimidation.

The Code of Practice goes hand-in-hand with the Recommendation included in the election package announced by President Juncker in the 2018 State of the Union Address to ensure free, fair and secure European Parliament elections. The measures include greater transparency in online political advertisements and the possibility to impose sanctions for the illegal use of personal data to deliberately influence the outcome of the European elections.

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EUROPEAN CITIZENS' INITIATIVE: COMMISSION REGISTERS 'SAVE THE BEES!' INITIATIVE'



Today, the European Commission decided to register a European Citizens' Initiative entitled 'Save the bees! Protection of biodiversity and improvement of habitats for insects in Europe'. The organisers call on the Commission to 'adopt legislation to maintain and improve habitats for insects as indicators of an undamaged environment'.

The Citizens' Initiative focuses on the creation of mandatory targets 'to make the promotion of biodiversity an overall objective of the common agricultural policy; to dramatically cut the use of pesticides, ban harmful pesticides without exception and reform eligibility criteria; to promote structural diversity in agricultural landscapes; to effectively reduce nutrients (e.g. Natura 2000); to effectively establish conservation areas; to intensify research and monitoring and improve education.'

Under the Treaties, the EU can take legal action in areas such as the internal market, agricultural policy as well as the protection of public health and the quality of the environment. The Commission therefore considers the initiative legally admissible and decided to register it. The Commission has not analysed the substance of the initiative at this stage.

The registration of this initiative will take place on 27 May 2019, starting a one-year process of collection of signatures of support by its organisers. Should the initiative receive one million statements of support within 1 year, from at least 7 different Member States, the Commission will have to react within 3 months. The Commission can decide either to follow the request or not, and in both instances would be required to explain its reasoning.

Once formally registered, a European Citizens' Initiative allows one million citizens from at least one quarter of EU Member States to invite the European Commission to propose a legal act in areas where the Commission has the power to do so.

The conditions for admissibility are that the proposed action does not manifestly fall outside the framework of the Commission's powers to submit a proposal for a legal act, that it is not manifestly abusive, frivolous or vexatious and that it is not manifestly contrary to the values of the Union.

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THE DEFENSE OF A STRONGER COMMON AGRICULTURAL POLICY FOR CLIMATE ACTION



The European Commission published on May 27 an external study to analyze the relevance, effectiveness, efficiency and coherence of the EU added value for climate action in certain key measures of the CAP.

Launched in 1962 to support the production of affordable and good quality food for European citizens, the CAP introduced climate action as one of its general objectives in 2013. The study shows that thanks to the CAP, the agricultural sector has made efforts to adapt their practices, while being able to preserve the European family farm model and its diversity and prevent damage caused by the potential abandonment of land in rural areas.

The conclusions of the study provide an overview and an assessment of the impact of several CAP measures on climate change and greenhouse gas emissions:
The ecological measures of economic support contribute especially to the reduction of greenhouse gas emissions thanks to the maintenance of grazing areas and beneficial areas for biodiversity. Using a simulated model, the study concludes that these measures have reduced agricultural emissions by 2% per year.
The Rural Development Programs have also shown that they help reduce emissions with quantifiable parameters. According to the study, these programs have reduced emissions by 1.5% per year and organic farming supported by the CAP has also caused the reduction of agricultural emissions.

Since not all the effects of CAP measures on climate and greenhouse gas emissions are quantifiable, the study also highlights their indirect influences. For example, economic support to farmers helps maintain the diversity of farms in Europe, which brings benefits to the environment. Finally, the study recognizes the added value of the EU provided by the CAP, which has increased the level of ambition of the objectives of the Member States regarding the climate.

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COMMISSION
CAP 2020-27
Programme for increasing its
environmental and climate
ambition

by
NABU



HOW BIG DATA AND AI CAN BE DEPLOYED FOR BETTER AVIATION SAFETY



If current techniques are not updated, the rapid increase in air traffic could compromise aviation's high level of safety. According to the EU-funded Data-driven research addressing aviation safety intelligence project, one cost-effective way of making the necessary updates is with Artificial Intelligence (AI).

A collaboration between airlines, air navigation service providers (ANSPs), safety authorities, academia and SMEs, the project applies data science and machine learning approaches to generate new knowledge on how to help aviation stakeholders further improve safety. "SafeClouds.eu is demonstrating how data analytics, state-of-the-art ICT and safety intelligence can be used to accommodate higher levels of traffic, increase safety and reduce costs," says Project Coordinator Paula Lopez-Catala.

Today's aviation system is structured around a number of isolated 'data silos'. Due to legal, technical and commercial issues, these silos have limited – if any – interaction. The SafeClouds.eu project aimed to change this and, in doing so, pave the way for a new paradigm where aviation is primarily based on actively shared data.

For SafeClouds.eu this change begins with AI. According to Lopez-Catala, AI techniques, including deep learning and artificial neural networks, allow one to analyse the precursors of safety events. "Understanding the precursors and potential risks that may lead to a safety incident is critical to complementing the traditional methods of monitoring safety, reviewing accidents and incidents and extracting lessons learned," she says. As AI can automatically predict potential safety hazards in real time, it is a key tool in supporting timely reactions. "The techniques and algorithms are tailored, customised and tested to be effective in every safety scenario, from unstable approaches to terrain warning, mid-air losses of separation and runway safety," adds Lopez-Catala.

ACCESS TO COMPLETE NEWS



FUN, INVENTIVE AND DYNAMIC: NEW APPROACHES TO DIGITAL SKILLS AND MAKING TECHNOLOGIES



We know digital technology is radically changing the way people work and many of tomorrow's jobs can't even be imagined today. But education systems are struggling to interpret what this imperative means for their pupils.

Teachers and education authorities are doing their best to try and make their students digitally literate. Safety online, forays into programming, and building circuits are finding their way onto some syllabi. But the approach is far from uniform, doesn't go far enough and all too often it is only the well-funded schools that have the means to try and prepare their pupils for what is around the corner.

As early as 2013 the European Commission noticed that that the challenge is not the lack of technology in schools but the huge variation in the use of technology, meaningfully, in education. (European Commission, 2013, Survey of schools: ICT in education). In addition to this, most use of technology in education and training today does not support 21st-century learning skills. In many cases, new technologies are simply reinforcing old ways of training and learning in current school settings and very often they are introduced according to a narrow perception as being suitable only for talented children.

ACCESS TO COMPLETE NEWS:



The EU-funded eCraft2Learn project set out to challenge the status quo and foster the recognition that the ability to make and programme technological equipment promotes knowledge and skills that are valuable for every citizen. The project aimed to reinforce personalised learning and teaching in STEAM education (science, technology, engineering, arts and maths), and to assist the development of 21st century skills that promote inclusion and employability for youth in the EU..

The team harnessed, and contributed to, existing technical platforms such as Arduino and Raspberry Pi electronics, cloud-based 3D printer simulators, and maker-community-generated content. To help educators embrace this new approach, the team has also developed a space for teachers. eCraft2Learn is also addressing business needs. They have made sustainable, collaborative networks with local industries in a bid to enable students to become project-solving, ambitious entrepreneurs.



DIGITAL SINGLE MARKET: COMMISSION PUBLISHES GUIDANCE ON FREE FLOW OF NON-PERSONAL DATA



The European Commission published a new guidance on the interaction of free flow of non-personal data with the EU data protection rules.

As part of the Digital Single Market strategy, the new Regulation on the free flow of non-personal data, which has started to apply in the Member states, will allow data to be stored and processed everywhere in the EU without unjustified restrictions. Today's guidance aims to help users – in particular small and medium-sized enterprises – understand the interaction between these new rules and the General Data Protection Regulation (GDPR) – especially when datasets are composed of both personal and non-personal data.

Together with the General Data Protection Regulation (GDPR), which started to apply one year ago, the new Regulation on the free flow of non-personal data provides for a stable legal and business environment on data processing. The new Regulation prevents EU countries from putting laws in place that unjustifiably force data to be held solely inside national territory. It is the first of its kind in the world. The new rules increase legal certainty and trust for businesses and make it easier for SMEs and start-ups to develop new innovative services, to make use of the best offers of data processing services in the internal market, and to expand business across borders.

Today's guidance gives practical examples on how the rules should be applied when a business is processing datasets composed of both personal and non-personal data. It also explains the concepts of personal and non-personal data, including mixed datasets; lists the principles of free movement of data and the prevention of data localisation requirements under both, the GDPR and the free flow of non-personal data Regulation; and covers the notion of data portability under the Regulation on the free flow of non-personal data. The guidance also includes the self-regulatory requirements set out in the two Regulations.

ACCESS TO COMPLETE NEWS



Guide for companies on how to process mixed datasets



H2020: DEVELOP SURFACE OR BULK TREATMENTS FOR IMPROVED WOOD-BASED MATERIALS



Wood-based materials find wide application in many market segments based on their macro-, micro- and nano-scale structures. Surface treatments, meaning altering the properties of the wood matrix at its skin or adding layers to it, are increasingly used to improve and expand the applicability of these materials. Equally important are treatments working on the whole volume of the material to improve bulk properties such as mechanical or thermal properties. The range of techniques used is huge.

Dead line: 04th september 2019

FOR MORE INFORMATION:

[WEB SITE](#)



LIFE:ENVIRONMENT AND RESOURCE EFFICIENCY



This call for proposals addresses the priority area "environment and resource efficiency" of the environmental subprogramme.

Anyone registered in the EU can make a proposal for LIFE traditional, integrated, preparatory, and technical assistance projects under the sub-programmes for environment and climate action.

You could be a:

- public body operating under a national government's authority, e.g. local authority, national administration etc.

- private commercial organisation

- private non-commercial organisation (NGOs etc.)

Dead line: 17 june 2019

FOR MORE INFORMATION:

[WEB SITE](#)



EYA CONTEST



EYA is a movement of young innovators who never stop learning, questioning and improving the world we live in. EYA organizes several activities and events throughout the year: its flagship initiatives, the EYA contest and the Festival (Winners Event), coding events (e.g. SHacks (Social Hackathons), Game Jams), the Youth for Innovation programs, mentorship programs and more!

DEAD LINE: 15th July 2019

FOR MORE INFORMATION:

WEB SITE



TR@NSENER (INTERREG-SUDOE) PROJECT



The project is led by the French university Toulouse III Paul Sabatier and has a total of 8 partners from France, Spain and Portugal. In addition to CTA, there are 3 other Spanish partners: the Foundation for Energy and Environmental Sustainability (Funseam), the Polytechnic University of Madrid (UPM) and the Energy Resources and Consumption Research Center Foundation (CIRCE).

The objective of the project (36 months) is to generate synergies between companies, laboratories and technological infrastructures at the service of companies in the three countries, in order to create innovations in the field of energy efficiency.

DEAD LINE: July 2019

FOR MORE INFORMATION:

WEB SITE



GESTIÓN INTELIGENTE DEL AGUA PARA UNA SOCIEDAD SOSTENIBLE



The European Interest Group Concert-Japan is delighted to announce the opening of its 6th joint call for proposals on the theme of Smart Water Management for Sustainable Society. Proposals from interested researchers are now accepted, starting from Monday, April 15th until Friday, June 14th this year.

This call aims to contribute to the overall challenge of water sustainability by inviting research teams from both Europe and Japan to collaboratively explore new areas of smart water management. The collaborative activities will fall in line with the United Nations 2030 agenda for Sustainable Development. Specifically, the research scope tackles Sustainable Development Goals (SDGs) including, but not limited to, Goal 6 “Clean Water and Sanitation”, Goal 9 “Industry, Innovation and Infrastructures”, Goal 11 “Sustainable Cities and Communities” and Goal 17 “Partnership for the Goals”.

FOR MORE INFORMATION:

[WEB SITE](#)



TRAINEESHIPS AT THE EUROPEAN CHEMICALS AGENCY (ECHA)



The European Chemicals Agency (ECHA) offers every year, newly-qualified graduates who are willing to make a contribution to the everyday work of the Agency, up to 20 traineeship opportunities in scientific fields such as chemistry, toxicology, biology, environmental science and technologies, and administrative duties such as law, communications, finance, human resources and ICT.

The traineeships usually start at the beginning of March or September. They last from three to six months and may not be extended beyond six months.

MORE INFORMATION:

[WEB SITE](#)



YOUTH4REGIONS PROGRAMME FOR ASPIRING JOURNALISTS



Youth4Regions is the European Commission programme helping journalism students and young journalists to discover what the EU is doing in their region.

What do we offer?

Trainings on journalism and EU regional policy

The chance to receive mentorship from established journalists from your country

Working side by side with renowned journalists during the EU Regions' Week

Visits of EU affairs media headquarters and EU institutions

The unique opportunity to take part as a journalist in European Commission press trips to Member States

Accommodation and travel expenses covered by the European Commission

The application period is open until 15 July 2019

FOR MORE INFORMATION

WEB SITE



JAMES DYSON 2019 AWARD



The James Dyson Award is an international student design award running in 26 countries. It is run by the James Dyson Foundation, James Dyson's charitable trust, as part of its mission to encourage the next generation of design engineers to be creative, challenge and invent.

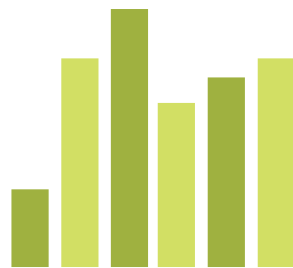
The aim of the award is to support current and recent graduates of design or engineering who have a problem-solving idea.

DEAD LINE: 11th July 2019, 11.59 EST.

FOR MORE INFORMATION:

WEB SITE





THE PRICES OF DOMESTIC
ENERGY IN THE EU INCREASED
COMPARED WITH 2017

EMISSIONS OF GASES OF
GREENHOUSE EFFECT -
CARBON FOOTPRINTS

DIGITAL ECONOMY AND SOCIETY
STATISTICS



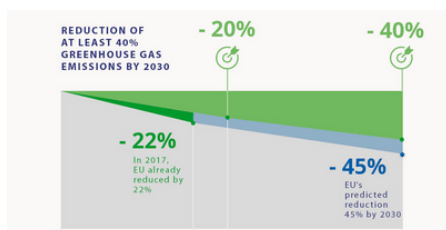
eurostat
Statistics Explained

2018, CO2 EMISSIONS IN THE EU DECREASED COMPARED WITH 2017

CLICK HERE



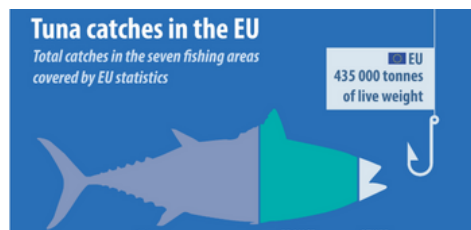
CLIMATE CHANGE: THE EU AND
THE PARIS AGREEMENT



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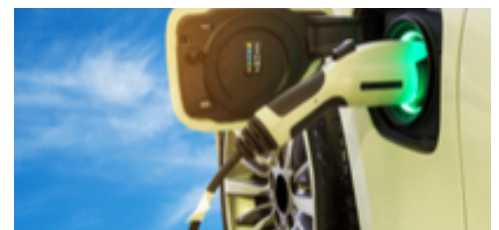
TUNA: 10% OF THE MARINE FISH
CATCHES IN THE EU IN 2017



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THE NUMBER OF ELECTRIC CARS IS
INCREASING

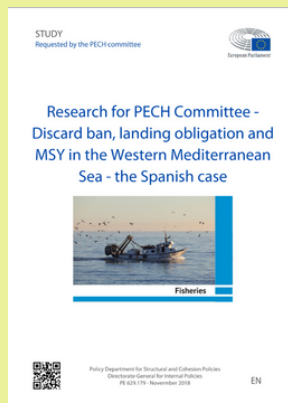


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FISHERIES INDUSTRY

RESEARCH FOR PECH COMMITTEE DISCARD BAN, LANDING OBLIGATION AND MSY IN THE WESTERN MEDITERRANEAN SEA : THE SPANISH CASE



Summary: Demersal fisheries in the Mediterranean Sea are heavily overfished, but the obligation to land will not contribute to achieving MSY, because it will not reduce fishing mortality. The Commission's new proposal introduces total allowable fishing effort as a new way of regulating demersal fisheries in the Western Mediterranean by significantly reducing fishing time.

Publication date: 22-05-2019

Author: Directorate-General for Internal Policies of the Union (European Parliament)

ISBN / ISSN: 978-92-846-4424-7

Link: [CLICK HERE](#) 

Key words: common fisheries policy, conservation of fish stocks, fisheries management, fisheries research, fishing fleet, fishing regulations, Mediterranean Sea, quantity of fish landed, Spain, technical committee (EU).

THE EU BLUE ECONOMY REPORT 2019



Summary: The EU Blue Economy Report analyses the scope and size of the Blue Economy in the European Union, consolidating a baseline to support policy-makers and stakeholders in the pursuit of sustainable development of ocean, marine and coastal resources. The report includes a chapter on regional analysis, which provides an overview of the main socio-economic characteristics of all EU sea basins and some examples of intelligent specialisation.

Publication date: 23-05-2019

Author: Directorate-General for Maritime Affairs and Fisheries (European Commission)

ISBN / ISSN: 978-92-76-03967-9/2599-6584

Link: [CLICK HERE](#) 

Key words: aquaculture, common fisheries policy, environmental economics, environmental impact, exploitation of the seas, fisheries policy, marine ecosystem, marine environment, maritime area, maritime transport, maritime fisheries, maritime transport policy, sustainable development

EFCA'S 10TH YEAR ANNIVERSARY IN SPAIN




Summary: The tenth anniversary celebration programme included a presentation of EFCA at its headquarters, a visit by an offshore patrol vessel (OPV) chartered by EFCA moored in the port of Vigo, a Seminar with short speeches related to monitoring, control and fishing.

Publication date: 08-04-2019

Author: European Fisheries Control Agency

ISBN / ISSN: 978-92-9209-085-2

Link: [CLICK HERE](#) 

Key words: Commemoration, European Fisheries Control Agency, fisheries policy, fisheries controls, fishing rights

SUSTAINABILITY

TOWARDS A SUSTAINABLE EUROPEAN WINE SECTOR



Summary: Europe is the world's leading wine exporter and producer. In order to remain so, we must not rely on and bet on reforms that focus on innovation and quality.

Publication date: 18-09-2019

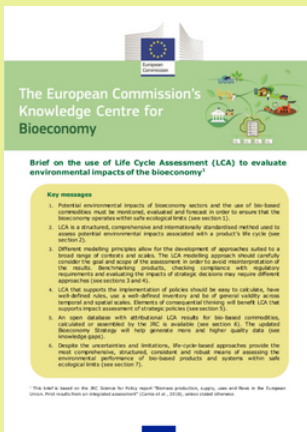
Author: Directorate-General for Agriculture and Rural Development (European Commission)

ISBN / ISSN: 92-79-03592-4

Link: [CLICK HERE](#) 

Key words: agricultural legislation, agricultural statistics, common organisation of the market, CAP reform, winemaking, viticulture

BRIEF ON THE USE OF LIFE CYCLE ASSESSMENT (LCA) TO EVALUATE ENVIRONMENTAL IMPACTS OF THE BIOECONOMY



Summary: Report on the use of Life Cycle Assessment (LCA) to assess the environmental impacts of bioeconomics.

Publication date: 21-05-2019

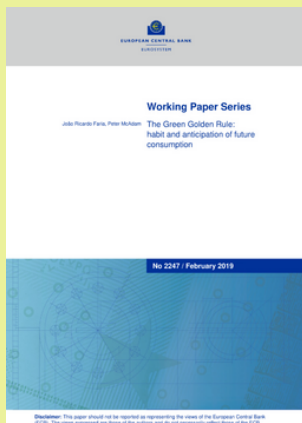
Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-79-77240-5

Link: [CLICK AQUÍ](#) 

Key words: Consumer behaviour, consumption, consumption expenditure, domestic consumption, ecological footprint, environmental impact, environmental indicator, environmental protection, exploitation of resources, product life, sustainable development

THE GREEN GOLDEN RULE: HABIT AND ANTICIPATION OF FUTURE CONSUMPTION




Summary: We derived the Green Gold Rule (GGR) in the frameworks of Habit Formation (HF) and Anticipation of Future Consumption (AFC). Since consumption is the key variable of the GGR, the temporary non-segmentation of consumption flow preferences, given by the AFC and the HF, can have major impacts on the environment and sustainability.

Publication date: 23-04-2019

Author: European Central Bank

ISBN / ISSN: 978-92-899-3509-8 / 1725-2806

Link: [CLICK HERE](#) 

Key words: consumption, economic growth, environmental impact, sustainable development

AGRICULTURE

INTELLECTUAL PROPERTY PROTECTION IN THE FOOD AND BEVERAGE INDUSTRY



Summary: Infographics on intellectual property protection in the global agrifood sector

Publication date: 06-06-2019

Author: Executive Agency for Small and Medium-sized Enterprises (European Commission)

ISBN / ISSN: 978-92-9202-485-7

Link: [CLICK HERE](#)

Key words: beverage industry, copyright, food industry, intellectual property, know-how, Latin America, patents, plant variety protection, small and medium enterprises, trademarks

A SCIENTIFIC PERSPECTIVE ON THE REGULATORY STATUS OF PRODUCTS DERIVED FROM GENE EDITING AND THE IMPLICATIONS FOR THE GMO DIRECTIVE: STATEMENT BY THE GROUP OF CHIEF SCIENTIFIC ADVISORS

Summary: On 25 July 2018, the Court of Justice of the European Union decided that organisms obtained by means of new directed mutagenesis techniques are genetically modified organisms (GMOs) within the meaning of Directive 2001/18/EC on the release into the environment of genetically modified organisms, and that they are subject to the obligations laid down in the GMO Directive.

Publication date: 04-06-2019

Author: Directorate-General for Research and Innovation (European Commission)

ISBN / ISSN: 978-92-79-97286-7

Link: [CLICK AQUÍ](#)

Key words: agronomic research, directive (EU), ethics, genetic engineering, genetically modified organisms, research integrity, transgenic plants



PYRROLIZIDINE ALKALOIDS IN HERBAL TEA AND HONEY

Summary: Pyrrolizidine alkaloids (AP) and their N-oxides (PANO) are plant toxins that can enter the food chain through different pathways. Two affected foods are herbal infusions and honey. This proficiency testing scheme was executed to evaluate the capabilities of laboratories to determine PA. 29 laboratories from nine EU Member States plus Singapore registered. On 04 and 06.09.2017, test articles and documentation were sent to all these laboratories.

Publication date: 21-12-2017

Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-79-77167-5

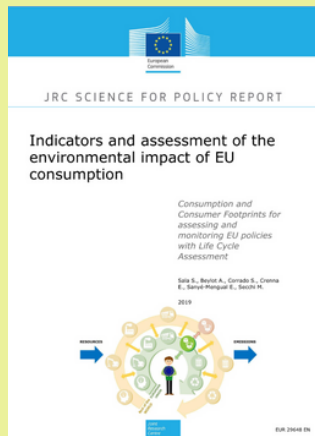
Link: [CLICK HERE](#)

Key words: food inspection, honey, research method, analytical chemistry, toxic substance, tea



ENVIRONMENT

INDICATORS AND ASSESSMENT OF THE ENVIRONMENTAL IMPACT OF EU CONSUMPTION



Summary: This report provides an overview of the outcome of the application of Life Cycle Assessment (LCA) to assess the environmental impacts of consumption in the European Union (EU) as a basis for supporting policies and improving the assessment of the impacts and benefits of policies. The content is based on the assessment of the environmental impact of EU consumption: the consumer footprint and the consumption footprint.

Publication date: 21-05-2019

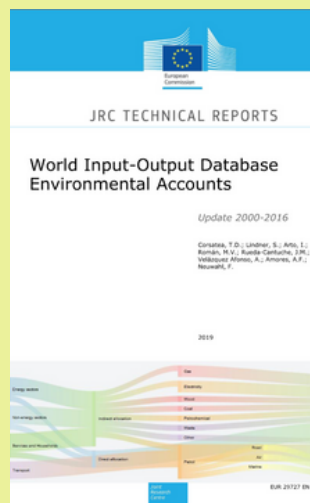
Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-79-99672-6/1831-9424

Link: [CLICK HERE](#)

Key words: consumer behaviour, consumption, consumption expenditure, domestic consumption, ecological footprint, environmental impact, environmental indicator, environmental protection, exploitation of resources, useful life of the product, sustainable development

WORLD INPUT-OUTPUT DATABASE ENVIRONMENTAL ACCOUNTS: UPDATE 2000-2016



Summary: This report describes the approach taken to update the environmental accounts of the World Input-Output Database (WIOD) for the period 2000-2016. This report illustrates the data adjustment steps needed to reconcile energy and economic data derived, for example, from different accounting principles.

Publication date: 28-05-2019

Author: Joint Research Centre (European Commission)

Link: [CLICK HERE](#)

ISBN/ISSN: 978-92-76-02068-4 /1831-9424

Key words: climate change adaptation, database, energy use, environmental economics, European accounting system, input-output analysis, energy price, reduction of gas emissions, research report

A SCIENTIFIC PERSPECTIVE ON MICROPLASTIC POLLUTION AND ITS IMPACTS: INITIAL STATEMENT BY THE GROUP OF CHIEF SCIENTIFIC ADVISORS



Summary: Concern about microplastic pollution and its impact on the environment and human health is growing among scientists, policy makers and the general public.

Publication date: 06-04-2019

Author: Directorate-General for Research and Innovation (European Commission)

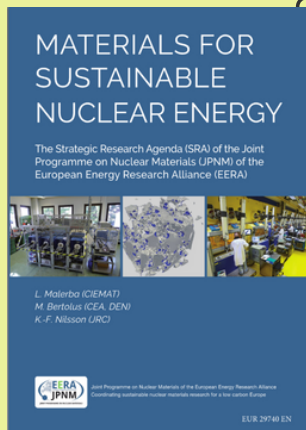
ISBN / ISSN: 978-92-79-88539-6

Link: [CLICK HERE](#)

Key words: air pollution, environmental impact, environmental research, EU environmental policy, health risk, marine pollution, plastic waste, plastics, pollutants

ENERGY

MATERIALS FOR SUSTAINABLE NUCLEAR ENERGY THE STRATEGIC RESEARCH AGENDA OF THE JOINT PROGRAMME ON NUCLEAR MATERIALS OF THE EUROPEAN ENERGY RESEARCH ALLIANCE



Summary: With an annual production of more than 850 TWh, nuclear power is the only low-carbon source of electricity in the EU. Accordingly, the 2 degree IEA scenario concludes that global nuclear power production should increase from 11% in 2015 to 16% / 15% in 2050/2060. Therefore, nuclear energy plays an important social role, together with renewable energies, in the energy transition from fossil fuels.

Publication date: 22-05-2019

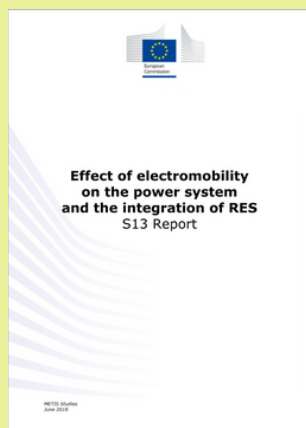
Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-76-03318-9/1831-9424

Link: [CLICK HERE](#) 

Key words: nuclear, seguridad nuclear

EFFECT OF ELECTROMOBILITY ON THE POWER SYSTEM AND THE INTEGRATION OF RES: STUDY S13



Summary: The aim of the study is to better understand the implications related to the growing proportion of electric vehicles for the energy system. Different electric vehicle charging strategies are evaluated in terms of the impacts of the electric system. The evaluation was carried out using the EU energy system model METIS.

Publication date: 02-05-2019

Author: Directorate-General for Energy (European Commission)

ISBN / ISSN: 978-92-76-03327-1

Link: [CLICK HERE](#) 

Key words: Electric vehicle, electric energy, energy consumption, energy production, energy research, energy technology, greenhouse gases, reduction of gas emissions, renewable energy.

CLEAN ENERGY FOR ALL EUROPEANS



Summary: In this publication, the many benefits of the new EU rules will provide, from different angles: environmental, economic, security of supply, consumer, international and from a longer time scale.

Publication date: 10-05-2019

Author: Directorate-General for Energy (European Commission)

ISBN / ISSN: 978-92-79-99835-5

Link: [CLICK HERE](#) 

Key words: clean technology, energy cooperation, energy diversification, energy policy, energy technology, EU energy policy, EU Member State, renewable energy

HEALTH

EUROCAT: SURVEILLANCE OF CONGENITAL ANOMALIES IN EUROPE: EPIDEMIOLOGY OF DOWN SYNDROME, 1990-2014



Summary: Down syndrome accounts for 8% of all birth defects. It is related to maternal age, which generally increased in Europe during the study period, with large differences in European regions. The total prevalence of Down syndrome in 10,000 births increased from 16 in 1990 to 23 in 2015. Prenatal screening increased from 49% in 2005 to around 70% in 2015, but there are territorial differences.

Publication date: 16-06-2019

Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-76-00574-2/2599-6304

Link: [CLICK HERE](#)

Key words: births, congenital diseases, epidemiology, medical diagnosis, maternity, public health, regional disparity, social indicator

EU4MONITORING DRUGS: MAKING THE LINK BETWEEN DRUG-RELATED PROBLEMS AND SECURITY AND HEALTH THREATS IN THE EUROPEAN UNION AND NEIGHBOURHOOD COUNTRIES

Summary: The EU drug agency in Lisbon, as part of its ongoing commitment to strengthening cooperation and exchange of experience, has developed the EU4Monitoring Drugs (EU4MD) project. Funded by the European Union, the project will run from 2019 until the end of 2021 and will include countries in the area of the European Neighbourhood Policy (ENP). It will support national and regional preparedness to identify and respond to drug-related health and safety threats.

Publication date: 01-03-2019

Author: European Monitoring Centre for Drugs and Drug Addiction

ISBN / ISSN: 978-92-76-00820-0 / 1831-9424

Link: [CLICK HERE](#)

Key words: Drugs, international cooperation, European Neighbourhood Policy, security threats, health, drug problems



IP CONSIDERATIONS IN THE MEDICAL DEVICE & HEALTHCARE INDUSTRY IN SOUTH-EAST ASIA

Summary: With the exception of Singapore, the medical device and healthcare industry in South East Asian countries is considered underdeveloped compared to the US, EU and Japanese markets. For example, Vietnam, Indonesia and Thailand import more than 85% of their medical devices. Among Southeast Asian countries, local pharmaceuticals are not trusted, paving the way for foreign players with strong brands.

Publication date: 28-05-2019

Author: Executive Agency for Small and Medium-sized Enterprises (European Commission)

ISBN / ISSN: 978-92-9202-507-6

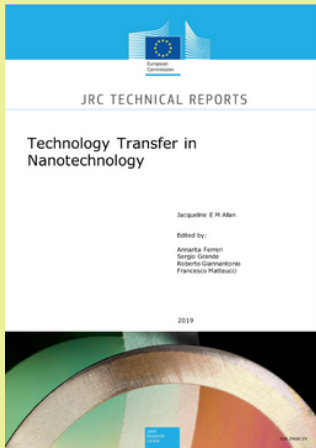
Link: [CLICK HERE](#)

Key words: patents, intellectual property, Asia, health care, patent law, copyright, trademark, medical-surgical material, new technology, small and medium-sized enterprises, industrial property, intellectual property, software, Southeast Asia



TECNOLOGY

TECHNOLOGY TRANSFER IN NANOTECHNOLOGY



Summary: This report considers how technology transfer in nanotechnology can be optimised, building on existing good practices and also learning from technology transfer from other technologies. It seeks to help researchers, technology managers, industry and policy makers by informing and guiding their nanotechnology technology transfer activities.

Publication date: 11-04-2019

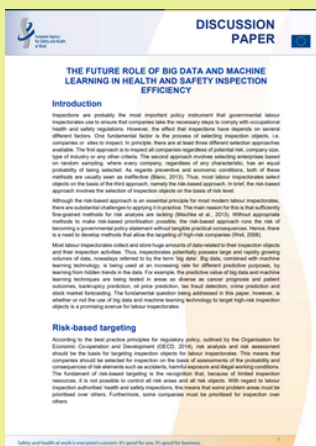
Author: Joint Research Centre (European Commission)

ISBN / ISSN: 978-92-76-00671-8/1831-9424

Link: [CLICK HERE](#)

Key words: entrepreneurship, intellectual property, investment, market access, nanotechnology, research policy, research report, standardisation, technology transfer

THE FUTURE ROLE OF BIG DATA AND MACHINE LEARNING IN HEALTH AND SAFETY INSPECTION EFFICIENCY



Summary: The article discusses how data intelligence could be used in labour inspections to effectively select entities for health and safety inspections. Finally, it identifies the challenges and concludes that a combination of artificial and human intelligence may be the ideal solution for risk-based selection.

Publication date: 15-05-2019

Author: European Agency for Safety and Health at Work

Link: [CLICK HERE](#)

Key words: Fact sheet, health, workers' health, data intelligence, safety inspections, health inspections, improvement

DIGITAL SINGLE MARKET: POOLING RESOURCES TO BUILD A WORLD-CLASS SUPERCOMPUTING INFRASTRUCTURE AND ECOSYSTEM IN EUROPE



Summary: EuroHPC, the High Performance Computing Joint Undertaking (HPC) is a legal and financial instrument that enables the EU to become a world leader in supercomputing.

Publication date: 29-03-2019

Author: European Commission

Link: [CLICK HERE](#)

Key words: High Performance Computing, Supercomputing, Digital Single Market, Digital Autonomy, Digitization, World Leadership

INDUSTRIAL INNOVATION



THE SMART SPECIALISATION PLATFORM FOR INDUSTRIAL MODERNISATION (S3P-INDUSTRY)

Summary: ReConfirm is the main support service for phases 0, 1 and 2 of the S3P industry. This service helps EU regions, industry organisations and European companies to connect, reach agreements, form new partnerships and advance existing partnerships by organising tailor-made events or providing services and advice.

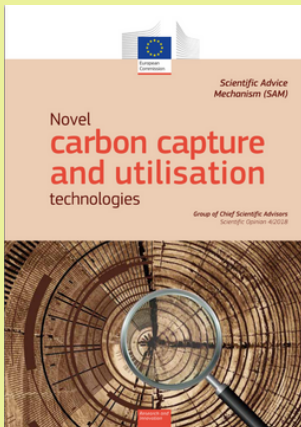
Publication date: 04-06-2019

Author: Directorate-General for the Internal Market, Industry, Entrepreneurship and SMEs

ISBN / ISSN: 978-92-9202-497-0

Link: [CLICK HERE](#)

Key words: aid to industry, European Region, industrial investment, industrial policy, innovation, Internet site, modernisation of industry, regional cooperation



NOVEL CARBON CAPTURE AND UTILISATION TECHNOLOGIES-STUDY

Summary: This scientific opinion responds to a request from the European Commission made by Commissioner Cañete (Commissioner for Climate Action and Energy) and addresses the climate mitigation potential of all technologies that capture CO₂ from industrial processes or air and convert it into fuels, chemicals and materials, also known as carbon capture and use or CCU. The reason behind the study is the need to develop tools and technologies to reduce CO₂ emissions.

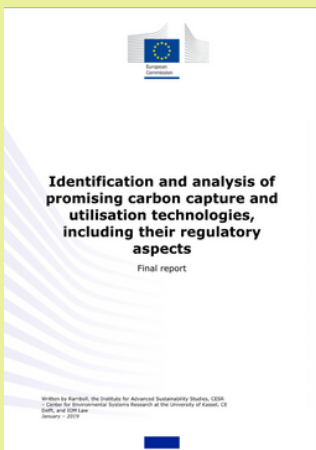
Publication date: 23-05-2019

Author: Directorate-General for Research and Innovation (European Commission), Group of Scientific Advisers of the European Commission

ISBN / ISSN: 978-92-79-82006-9

Link: [CLICK HERE](#)

Key words: environmental policy, scientific research, adaptation to climate change, carbon capture and storage, climate change policy, greenhouse gases, innovation, new technologies, opinion, reduction of gas emissions



IDENTIFICATION AND ANALYSIS OF PROMISING CARBON CAPTURE AND UTILISATION TECHNOLOGIES, INCLUDING THEIR REGULATORY ASPECTS.

Summary: This study was initiated by the Directorate General of the European Commission for Climate Action and was attributed to a team of experts from Ramboll, the Institute for Advanced Sustainability Studies, the Kassel University Centre for Environmental Systems Research, IOM Law and Delft Law.

Publication date: 06-05-2019

Author: Directorate-General for Climate Action (European Commission)

ISBN / ISSN: 978-92-76-03401-8

Link: [CLICK HERE](#)

Key words: environmental policy and environmental protection, adaptation to climate change, carbon, climate change policy, energy technology, environmental law, EU environmental policy, greenhouse gases, innovation

MEDIA COLLECTION



World Environment Day

On June 5, the Council of the EU joins the celebration of World Environment Day.



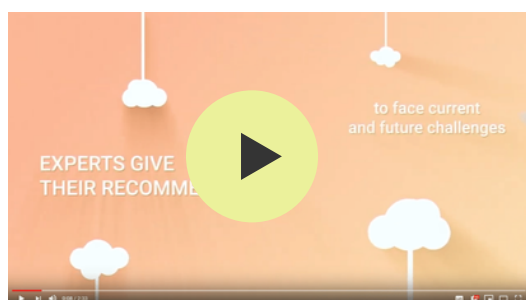
Here comes the truck of the future

Here comes the truck of the future. The longer aerodynamic cab reduces fuel consumption, increases driver visibility and saves lives.



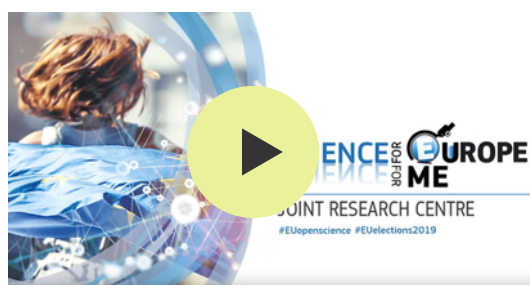
Hierro: a paradise self-sufficient in energy

Follow Javier Morales, engineer in Sustainability, and discover how a small Spanish island becomes the first self-sufficient island in energy in the world.



The future of the Single European Sky initiative

The Single European Sky has been and continues to be our dream. But the reality is that the current performance of our air traffic management (ATM) network does not serve airspace users or passengers the way they should. The impact of airspace inefficiencies for the traveling public and airspace users is not acceptable.

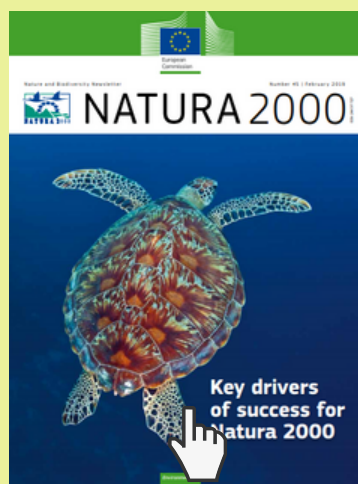


Science for Europe, Science for Me

During the "Science for Europe, science for me" event from May 16 to 17, 2019 at the Joint Research Center of the European Commission in Ispra, Italy, more than 800 students and 400 citizens discovered how science can help create better policies for the benefit of all. Every day, anywhere in the EU. The event contributed to the European Parliament campaign "#thistimeimvoting" by proactively engaging local audiences in the values and benefits of the EU.

MAGAZINES OF INTEREST

We present the latest issues of the Journals published by the European Union and other institutions such as the Junta de Andalucía.



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**LIFE IMPROVING
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