

JRC Newsletter — Issue Fri 09 Oct 2015

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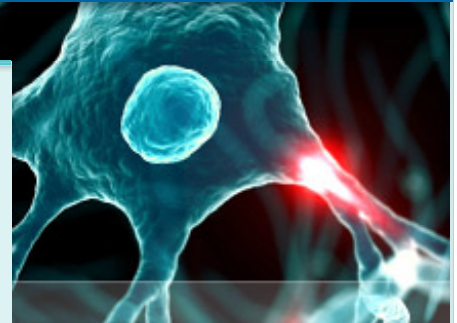


JRC Newsletter

Joint Research Centre, the Commission's in-house science service

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News

New knowledge centre to help the EU minimise risk of disasters

The European Commission launched the Disaster Risk Management Knowledge Centre; a new in-house centre to help EU Member States respond to emergencies, prevent and reduce the impact of disasters.

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Fighting customs fraud: JRC research leads to new legislation

A new regulation adopted by the European Parliament and the Council will allow customs to access information to track the origins and routes of cargo containers arriving in the EU to support the fight against customs fraud both at EU and national level.

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Latest air quality directive tasks the JRC to evaluate air pollution data

Revised European legislation setting improved rules on collection, sampling and analyses of air pollution data entered into force on 17 September 2015. It amends rules and procedures on the measurement of air pollutants outdoors.

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Annual flood damages up to 100 billion EUR by 2080

According to a JRC study, projections under a “high-end“ climate scenario show that river floods in Europe could directly affect more than half a million people a year by 2050 and nearly one million by 2080, as compared to about 200 thousand today.

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The precision of solar photovoltaic power measurements doubled

An analysis carried out by JRC scientists shows that the uncertainty in measurement of power generation from a photovoltaic cell can be more than halved, thus bringing an economic benefit to both manufacturers and investors.

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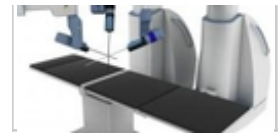


From nuclear research to surgery technology



A JRC invention initially stemming from its research in the nuclear sector will soon be used by hospitals for minimally-invasive robotic surgery. TELELAP ALF-X is an advanced multi-port robotic system that will empower surgeons with eye-tracking and haptics, allowing them eye-control of the camera and touch sensation during surgery.

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Renewables and consumer choices key to sustainable energy use in EU's food sector

A report analysing the use of energy in the EU food industry finds that the share of renewable remains relatively small (7%) when compared to its part in the overall energy mix (15%). Consumers can also play a role and improve their energy profile by - for example - reducing meat consumption, buying locally and seasonally, and reducing food waste.

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Web design plays a role in how much we reveal online

JRC scientists have found that web design, and the information shown on the screen, does influence how and whether a user discloses personal data.

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Events

15 October 2015 - Expo Milano, Italy

Strengthening Global Food and Nutrition Security through research and innovation - lessons learned from Expo 2015

The EU Expo Taskforce of the JRC is organising an international conference to close the scientific programme of activities at Expo Milano 2015. Taking place just one day before World Food Day, it will offer a platform where international actors from politics, the scientific community, industry, and civil society can discuss the recommendations for a "European Research and Innovation Agenda for Global Food and Nutrition Security" that have been produced by the EU scientific steering committee for Expo 2015.

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27 - 28 October 2015 - Ulm, Germany

JRC Annual Event: Scientific Support to the Danube Strategy

The JRC's initiative "Scientific Support to the Danube Strategy" addresses the scientific needs and strengthens the scientific cooperation related to the implementation of the EU Strategy for the Danube Region.

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Tools and databases

Global Disaster Alert and Coordination System

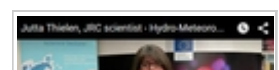
The Global Disaster Alert and Coordination System (GDACS) is a web-based platform that in case of natural disasters, such as earthquakes, tsunamis, floods and cyclones, sends automatic alerts via e-mail, fax or SMS to the international first responders community. GDACS also allows for information exchange between responders and coordinators and now has 18,000 users worldwide.

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Faces of Science

Jutta Thielen on flood awareness



JRC scientist Jutta Thielen talks about hydro-meteorology and how the experience of devastating floods led to the development of the European Flood Awareness System EFAS.

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Publications

The challenge of resilience in a globalised world

The challenge of resilience in a globalised world discusses the concept of resilience from different perspectives and the role of science in the continuous process of building a resilient, stable, competitive and prosperous Europe.

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JRC Publications

The JRC publishes around 1400 scientific reports and publications annually in support of EU policies. They can be browsed and downloaded from the [Science Hub](#)

Jobs

Working with us

If interested in working at the Joint Research Centre (JRC), please browse our [External Staff Recruitment Application \(ESRA\)](#)

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