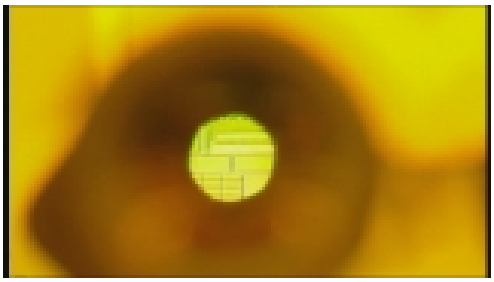
EUROPEAN COMMISSION
Audiovisual Services

European Research Area

Type: Archives [short] Référence: I073793 Durée: 00:10:48 Lieu: Bochum - Ruhr University,Ispra - EC/Joint Research Centre,Toulouse - Airbus,Paris - Pasteur Institute,Dortmund,Spain,Mannheim,Louvain - Catholic University

This archives video stockshot illustrates the European Research Area. The European Research Area is composed of all research and development activities, programmes and policies in Europe which involve a transnational perspective. Together, they enable researchers, research institutions and businesses to increasingly circulate, compete and co-operate across borders. The aim is to give them access to a Europe-wide open space for knowledge and technologies in which transnational synergies and complementarities are fully exploited.



HEURE	DESCRIPTION	DUREE
00:00:00	Generic and title	00:00:15
00:00:15	Exterior views of the Pasteur Institute and banner with the picture of Louis Pasteur, Paris, 2012 (3 shots)	00:00:13
00:00:28	Scientists at work in a laboratory (5 shots)	00:00:23
00:00:50	Scientists investigating cells under microscopes and researchers looking into the ways cells work and are focusing on a single synthetic cell, at the Ruhr University, Bochum, Germany, 2009.PACE (Programmable Artificial Cell Evolution) laboratory researchers, are developing a technology based on chemistry and information processing, that allows them to build and experiment with small artificial cells, Dortmund, Germany, 2009.This could eventually lead to the production of a man-made artificial cell prototype.(23 shots)	00:02:24
00:03:14	Young scientists (Paul is from the United Kingdom, Tatsumi from Japan and Liang from China) do research on DNA in the department of Chemistry of the University of Leuven, Leuven, Belgium, 2011 (16 shots)The Marie Curie Actions is open to young scientists from countries which have cooperation agreements with the European Union.	00:02:09

00:05:24	Renault car safety tests: safety test room with workers testing the performance of a car, with the Open GL Performer software; Fluence ZE, one of the zero emissions electric car models being developed by Renault, driving in the city, Mannheim, Germany, 2010 (6 shots)	00:01:21
00:06:44	View from the top of the Roque de los Muchachos mountain, where the Gran Telescopio Canarias is located, Island of La Palma in the Canary Islands, Spain, 2010 (12 shots)The Gran Telescopio Canarias (GTC) is the largest optical telescope in the world, and is located at the Roque de los Muchachos Observatory on La Palma. The mirror consists of 36 hexagonal pieces, which can be moved separately from each other, and the shape of each piece can be changed. These two types of movements can compensate for the changes in the observed light that are caused by turbulence in Earth's atmosphere.	00:01:10
00:07:55	Construction of a gas turbine (7 shots) Developed by Siemens, the SGT5-8000H "Irsching" turbine is the largest gas turbine in the world. The increase of efficiency by 2 percentage points, compared to a state-of-the-art combined cycle power plant, will result in approximately 40,000 tons less CO2 per year.	00:00:56
00:08:51	Airbus assembly process and Airbus test carried out on biofuels, Toulouse, France, 2010 (13 shots)	00:01:21
00:10:12	The Joint Research Centre: views of the European Laboratory for Structural Assessment (ELSA) and the nuclear sector, Ispra, Italy, 03/2012 (8 shots)	00:00:36
00:10:48	Copyright	00:00:07

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