



## Internationale Forschungs-, Technologie- und Innovationspolitik

**Info-Service**

**26. Juni 2006**

### **Berichterstattung zu strategischen Entwicklungen auf den Politikfeldern des BMBF in führenden Industrieländern**

#### **Global**

##### **World Conference on Research Integrity announced**

The European Science Foundation (ESF) and the US Department of Health and Human Services Office of Research Integrity (ORI) announced plans to hold a World Conference on Research Integrity in Lisbon, Portugal on 17 to 19 September 2007. Research integrity has emerged in recent years as a critical topic in policy research and has acquired a significant political dimension worldwide. It needs to be addressed at systemic and institutional levels, including organizational, governance and legal issues.

Through the Internet, researchers any place in the world can brainstorm ideas, share results, and collaborate on publications on a real-time basis. Professionally, however, research today is in many ways as local as it was a century or more. Research regulations and commonly accepted research practices vary significantly from country to country and among professional organisations. For instance, the need to foster the development of new knowledge to deal with large public risks calls for a particular focus on the institutional integrity of scientific organizations, including universities and research organizations.

[http://www.esf.org/esf\\_pressarea\\_page.php?newsrelease=116](http://www.esf.org/esf_pressarea_page.php?newsrelease=116)

#### **Frankreich**

##### **Einweihung von Minatec - Centre for Innovation in micro & nanotechnology**

Francois Loos, französischer Minister für Industrie, hat Minatec am 2. Juni 2006 in Grenoble eröffnet. Minatec ist der erste europäische Pol für Mikro- und Nanotechnologien. Minatec beherbergt auf seinem Gelände von acht Hektar 4000 Personen (Studenten, lehrbeauftragte Forscher und Mitarbeiter aus der Industrie), darunter 1200 Forscher, die auf einer 19.000 m<sup>2</sup> großen FuE-Plattform an fortschrittlichen Bauelementen und kommunizierenden Objekten arbeiten. 10.000 m<sup>2</sup> der Infrastrukturen sind für Räumlichkeiten und Reinräume von Start-up's reserviert.

Minatec wird durch das CEA, Privatinvestoren, den Staat, die Region, den "Conseil général d'Isère", die Grenoble-Metropole und die Stadt Grenoble finanziert. Minatec bildet den Grundpfeiler des Wettbewerbspols Minalogic in Grenoble, eines der 6 weltweiten Kompetenzpole in diesem Bereich.

<http://www.minatec.com/>

Wissenschaft Frankreich Nr. 101 (Elektronisches Bulletin der Abteilung für Wissenschaft und Technologie der Französischen Botschaft in Deutschland)

**EU / Europa****Studie fordert bessere Daten zur Mobilität von Forschern**

Die Bewertung, Europa verliere in Bezug auf die "Intelligenz" an Boden gegenüber den USA, wird zu hoch eingeschätzt, ist viel zu einfach und basiert auf unvollständigen Daten, heißt es in einer kürzlich veröffentlichten Studie. Es wird argumentiert, dass der "Brain Drain" im Kontext von zunehmend wissensbasierten Wirtschaftsräumen eine komplexere Frage sei und viele Arten von "Rückkehr", "Zirkulation" und "Rezirkulation" von Forschern umfasse.

[http://cordis.europa.eu/fetch?CALLER=DE\\_NEWS&ACTION=D&RCN=25734&DOC=13&CAT=NEWS&QUERY=1149585306692](http://cordis.europa.eu/fetch?CALLER=DE_NEWS&ACTION=D&RCN=25734&DOC=13&CAT=NEWS&QUERY=1149585306692)

**TransEuropean change and the struggle for equality**

The European Science Foundation is launching a Research Networking Programme, 'TransEurope', to identify and measure the impact of transnationalisation on European countries and the resulting inequality in Europe. This will aim to discover which nations adapt well to this constantly changing international environment, which struggle to keep up and why.

Transnationalisation refers to the 'Europeanisation' of different national markets and domestic structures. As the barriers of international borders become less significant, Europe develops as a whole and member states must adapt. Rapid European change causes unpredictability in job markets and socio-economic development. This makes it increasingly difficult for individuals in Europe to make long-term binding life course decisions. Six European countries will participate in the Programme: Germany; The Netherlands; Sweden; Estonia; Belgium and Austria. It will bring together experts in Political Science, Demography, Economics and Sociology, from each of

these countries to share multidisciplinary research methods and expertise.

[http://www.esf.org/esf\\_pressarea\\_page.php?language=0&section=6&year=2006&newsrelease=118](http://www.esf.org/esf_pressarea_page.php?language=0&section=6&year=2006&newsrelease=118)

**Die Kommission erläutert ihren Plan für ein Europäisches Technologieinstitut**

Nach einer umfassenden Konsultation der Betroffenen und der Mitgliedstaaten hat die Kommission heute eine neue Mitteilung angenommen, in der sie ihren Plan zur Einrichtung des Europäischen Technologieinstituts (ETI) näher erläutert. Seit der Europäische Rat im März 2006 die Kommission aufforderte, ihren Vorschlag zur Einrichtung eines Europäischen Technologieinstituts als Markenzeichen für Spitzenqualität in den Bereichen Ausbildung, Forschung und Innovation weiter zu entwickeln, sind große Fortschritte erzielt worden. Entsprechend dem Wunsch der Staats- und Regierungschefs präzisiert die Kommission ihren Vorschlag und nennt die Fragen, die als nächstes in Angriff zu nehmen sind. Ziel ist es, die laufende Konsultation und Debatte in den kommenden Monaten zu fokussieren und bis zum Jahresende einen förmlichen Vorschlag vorzulegen.

<http://europa.eu.int/rapid/pressReleasesAction.do?reference=IP/06/751&format=HTML&aged=0&language=DE&guiLanguage=en>

**Neues Exzellenzzentrum für Mikroelektronik bildet Expertenpool für Mittel- und Osteuropa**

In der Tschechischen Republik wurde ein neues Exzellenzzentrum für Mikroelektronik gegründet, das Forscher und Infrastruktur aus Mittel- und Osteuropa sowie Russland zusammenbringt. Das Zentrum mit dem Namen ChipInvest soll ein One-Stop-Shop für Expertenwissen in der Mikroelektronik werden.

"Unser Exzellenzzentrum bietet ein formelles Netzwerk für Bildung und Talent-suche für die internationale Mikroelektro-

nikindustrie und geht damit über einen typischen Inkubator hinaus", erläuterte Radomil Novak, Berater des CEO von CzechInvest, einer Agentur des Industrie- und Handelsministeriums der Tschechischen Republik, deren Aufgabe die Akquise ausländischer Investitionen und die Entwicklung tschechischer Unternehmen ist.

[http://cordis.europa.eu/fetch?CALLER=DE\\_NEWS&ACTION=D&RCN=25775&DOC=3&CAT=NEWS&QUERY=1150107930564](http://cordis.europa.eu/fetch?CALLER=DE_NEWS&ACTION=D&RCN=25775&DOC=3&CAT=NEWS&QUERY=1150107930564)

## USA

### **R&D Funding Updates on R&D in FY 2007 Appropriations**

In the first indications of congressional support for the President's American Competitiveness Initiative, the House would provide the full requested increases of 15 percent for DOE's Office of Science and 8 percent for the National Science Foundation. The House would moderate steep proposed cuts in USDA R&D, would reverse proposed cuts in DOT and EPA R&D, and would provide a small increase for R&D in the U.S. Geological Survey. Veterans Affairs R&D would increase 3.3 percent. The House would keep DOD's "Science and Technology (S&T)" spending close to 2006 levels instead of a one-fifth requested cut. But a draft House NIH appropriation would keep NIH spending on a downward path for the second year in a row. The House would cut Department of Homeland Security R&D below the request, for a 16 percent cut compared to 2006.

<http://www.aaas.org/spp/rd/fy07.htm>

### **House Science Committee Passes Education, Research Bills**

After making revisions to gain Democratic support, the House Science Committee unanimously passed a package of education and competitiveness bills, by voice vote, on June 7. The "Science and Mathe-

matics Education For Competitiveness" Act (H.R. 5358), would enhance science and math education programs, primarily at NSF, while the "Research for Competitiveness" Act (H.R. 5356) would combine two prior committee bills (H.R. 5356 and H.R. 5357) authorizing early career awards and fund-matching awards for young scientists and engineers.

<http://www.aip.org/fyi/2006/079.html>

### **Offshore Outsourcing Hurts IT Labor Markets**

Despite industry claims to the contrary, the recovery of the U.S. information technology (IT) sector has not created enough new jobs for IT workers, according to a new report from the Washington Alliance of Technology Workers. *Information Technology Labor Markets: Rebounding, but Slowly* reveals that the recent increase in IT spending has not led to a full recovery in the labor market. The Alliance worked with the University of Illinois at Chicago's Center for Urban Economic Development (CUED) to prepare the report. CUED finds that only 76,300 IT jobs have been created in the U.S. since April 2003. This represents less than a quarter of the 383,100 jobs lost during the 2001-2003 recession. IT employment growth remains sluggish and well below pre-recession levels.

The report cites the rise in global IT outsourcing as a factor in the protracted recovery. A growing number of processes and services associated with the industry "have been outsourced to providers in low-wage countries," leaving U.S. IT workers un- or under-employed. Offshore outsourcing is expected to increase over the next few years and, according to the CUED study, will continue to stifle domestic IT job growth. Several metropolitan areas have enjoyed a more substantial recovery. Seattle and Washington, D.C., have surpassed 2001 employment levels, driven largely by in-house IT spending. Many

displaced workers have found IT employment within non-IT companies.

The CUED study suggests that policymakers might want to take steps to curtail the migration of IT jobs and develop workforce education efforts that combine IT training with targeted business skills.

<http://www.washtech.org/reports/ITLaborMarketsStudyL.pdf>

## Japan

### **Förderung internationaler Forschungs-kooperation mit Japan im NEDO Industrial Technology Grant Programm**

Die japanische New Energy and Industrial Technology Development Organization (NEDO) hat ein neues Programm für die Förderung internationaler Kooperationen mit Japan herausgegeben.

<http://www.internationale-kooperation.de/de/dokument1319.htm>

### **ESF signs new cooperation agreement with the Japan Society for Promotion of Science (JSPS)**

The European Science Foundation has signed a new extended Memorandum of Understanding with the Japan Society for the Promotion of Science (JSPS). The Memorandum provides for the close cooperation between both organisations for the organisation of 'Frontier Science Meeting Series for Young Researchers', which bring about 80 young researchers from both Europe and Japan together with more senior scientists to debate and exchange views on key topics at the cutting edge of research. These conferences, led by eminent researchers from Europe and Japan, normally take place each year, alternately in Europe and Japan.

[http://www.esf.org/esf\\_pressarea\\_page.php?language=0&section=6&year=2006&newsrelease=111](http://www.esf.org/esf_pressarea_page.php?language=0&section=6&year=2006&newsrelease=111)

## China

### **China's science scandals prompt new reforms**

China will increase the number of experts who review proposals. China's Ministry of Science and Technology announced a raft of reforms in response to a recent wave of scientific misconduct cases. Among the proposed measures, the ministry plans to limit the influence of grant managers by expanding the database of experts it draws on to review proposals and evaluate projects. Reviewers will also be randomly selected to reduce conflicts of interest, and a 'credit management system' will score the performance of evaluating experts.

Opinion of the proposals is divided in China's science community. Some applaud the efforts to limit project managers' power. Others are more sceptical about the credibility of the credit management system and doubt the measures will be applied to more than a fraction of research projects.

<http://www.scidev.net/content/news/eng/chinas-science-scandals-prompt-new-reforms.cfm>

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