



the
innovation
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Newsflash

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Dear Reader

Welcome to the November newsflash of the Innovation Society. We wish you an inspiring reading and we are looking forward to receiving your feedback!

Kind regards

The Innovation Society

Annotations by the Innovation Society

Regulation of nanomaterials

The committee on Environment, Public Health and Food Safety (ENVI) of the European Parliament has crucially modified the proposition of the Commission on the revision of the Novel Food regulation. Among others, it demanded a moratorium on nanomaterials in novel food and a threshold value for the quantity of particles of 10 % instead of 50 % in the definition.

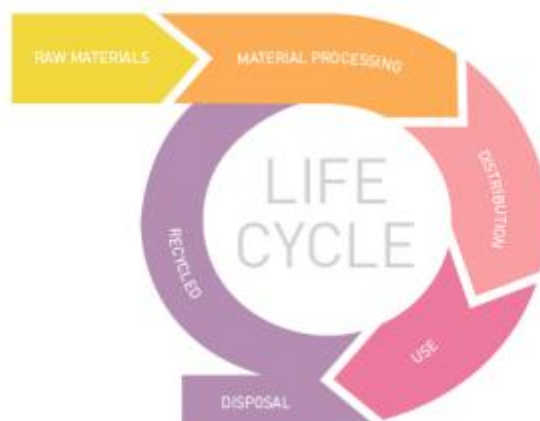
The International Agency for Research and Cancer (IARC) has issued a so-called "monograph" on CNTs. Therein, a certain modification of MWCNT is classified as "possibly carcinogenic" (group 2B). All other MWCNT and SWCNT are categorised as "not classifiable".

Chances and risks of nanomaterials

A method to manufacture two-dimensional, conductive titanium carbide 'clay' in films of variable thickness was presented at Drexel University (Philadelphia). The aforementioned method is by far safer and faster than the ones used hitherto. In the future, it might be applied in high-capacity capacitors or batteries.

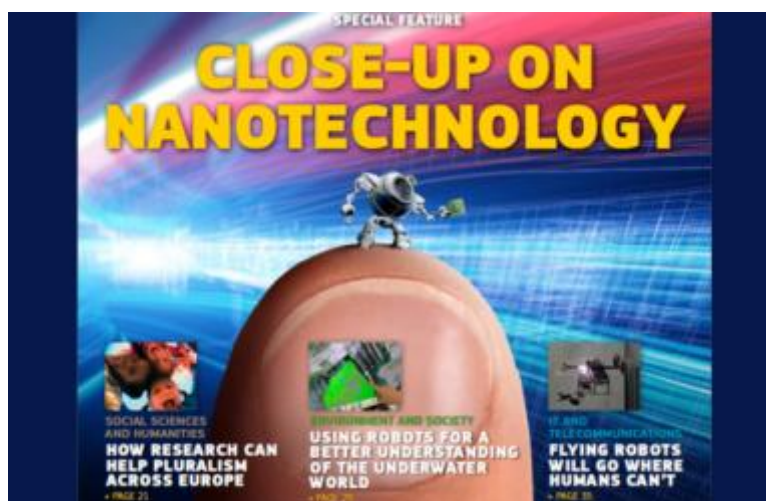
The Danish EPA has published an extensive report on the fate and behaviour of nanomaterials in the environment.

Successful first year for the SUN Project



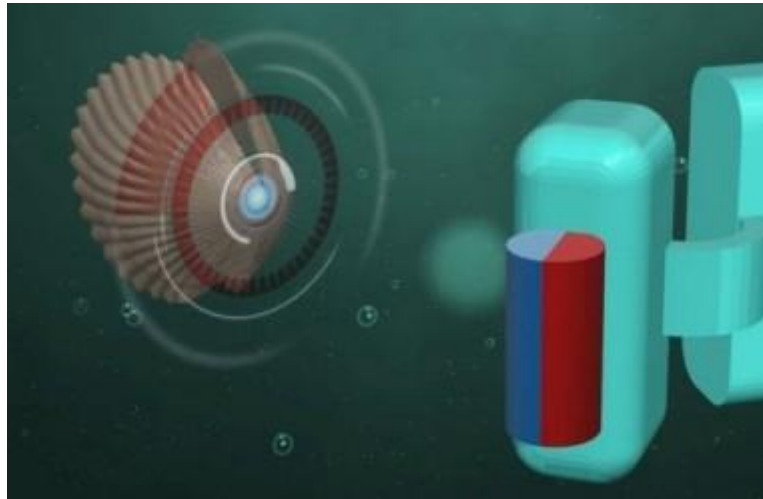
At the two day annual meeting, held in Utrecht (NL) in October 2014, 35 partners from 12 EU countries presented their exciting results of the first 12 months of the SUN – Sustainable Use of Nanotechnologies - Project. [Read more](#)

The latest EU research achievements



The editorial team of the "research*eu results magazine" dedicates a special issue to nanotechnology and the latest research achievements in a "framework programme" of the European Union focused on nanoscience, nanotechnology, materials and new production technologies. [Read more](#)

Tiny vehicles for medical applications



Micro- or even nano-robots could someday perform medical tasks in the human body. Researchers from the Max Planck Institute for Intelligent Systems in Stuttgart have now taken a first step towards this goal. They have succeeded in constructing swimming bodies that simultaneously meet two requirements: they are small enough to be used in bodily fluids or even individual cells, and they are able to navigate through complex biological fluids. [Read more](#)

Nano-powered boost for stone conservation



Castles and cathedrals, statues and spires ... Europe's built environment would not be the same without these witnesses of centuries past. But, eventually, even the hardest stone will crumble. EU-funded researchers have developed innovative nano-materials to improve the preservation of our architectural heritage. It involves lime nanoparticles suspended in alcohol, a substance that evaporates completely upon exposure to air. The nanoparticles then react with carbon dioxide in the atmosphere to form limestone. [Read more](#)

Further teacher training courses in spring 2015

- On the 4th of March a TeachNano II Training Course takes place in Winterthur.
- The "SimplyNano 1®" - experimental kit will be presented at the SWISE Meeting in Lucern on the 7th of March during two "ateliers".
- A further teacher training course on the "SimplyNano 1®" - experimental kit will be held on the 25th of March in Glarus.

For more information (in German) visit our website

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