NANOTEHNOLOGIILE?

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NANOPROSPECT –SE POT CLASIFICA NANOTEHNOLOGIILE?

UE 2020

- 5 KETs=Key Enabling Technologies
- 1.Nanotechnology
- 2. Micro and Nanoelectronics
- 3. Photonics
- 4. Biotechnologies,
- 5. Advanced Materials

Strongly correlations

Nanotechnology?



A significant part of the new goods and services that will be available in 2020 are yet unknown ,but the main driving forces behind their development will be the deployments of the key enabling technologies (KETs). Those nations and regions mastering the these technologies will be at the forefront of managing the shift to a low-carbon, knowledge-based economy, which is a precondition for ensuring welfare, prosperity and security of its citizens. The deployments of KETs in EU is not only of strategic importance but indispensable for Europe

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Nanoelectronica

NEMS, nano FETs, electronica moleculara, circuite VLSI, senzori, SETs, circuite cu elctroni balistici

- road map
- ENIAC: platforma tehnologica europeana pentru nanoelectrica

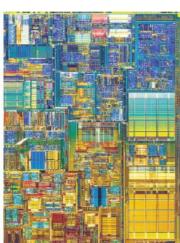








1950-1960



-3D integration -stretchable electronics

devices

on one

atom

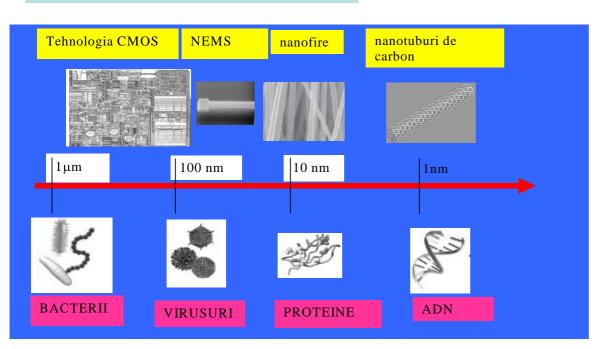
thick

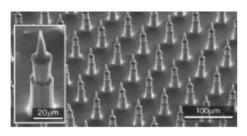
materials

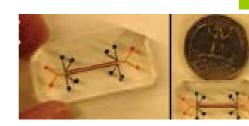
2010 2008

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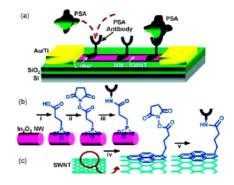
Nanomedicina







- Road map
- Platforma europeana de nanomedicina
- •Biosenzori –detectia timpurie a diferite boli
- Secventiere AND
- •Medicamente tintite
- •Terapii tintite
- •Tesuturi si organe artificiale
- •Sisteme insipirate de lumea vie(bioinspired systems)



Nanotechnology?

