

The 1st FinNano Annual Seminar 2006

From Industry Vision to Enabling Technologies

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**Tekes, Finnish Funding Agency for
Technology and Innovation**



18. May 2006, Helsinki



Tekes



FinNano

Tekes, Finnish Funding Agency for Technology and Innovation

- Finances research and development projects of companies and universities in Finland.
- The funds, 420 M€ are awarded from state budget via the Ministry of Trade and Industry.
- The impact of Tekes activities is felt in Finland as
 - renewal of industries,
 - increasing exports,
 - increasing employment possibilities and
 - an improvement in the general welfare of society.



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FinNano - Nanotechnology programme

FinNano technology programme studies, exploits and commercializes nanoscale systems and phenomena.

- Programme duration: 2005-2009
- Programme volume: approx. 70 million euros of which Tekes finances approx. 50 million euros
- Focuses:
 1. Innovative nanostructured materials
 2. New solutions for nanoelectronics
 3. Nanosensors and nanoactuators.
- Programme management: Spinverse Consulting Oy
- More information: www.tekes.fi/finnano



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FinNano

Programme status

May, 2006

FinNano's company projects

- Ongoing 18 projects (tot. costs 15 M€, Tekes 7 M€)
- 3 proposals in evaluation

FinNano's research projects

- Universities and VTT
- Ongoing 15 projects (tot. costs 14,3 M€, Tekes 11,9 M €)
 - more than 50 company partners
 - international cooperation with 17 countries
- MNT ERA-Net Call (Tekes fund asked 3,2 M€)

Nanotechnology in Tekes

- Projects contain nanotechnology
- All together 50 projects
 - approx. 20 company projects
 - approx. 30 research projects



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Tekes' FinNano works together with others



The Academy of Finland

- FinNano research programme on nanoscience 2006-2009 (9 M€)
- Thematic areas are:
 1. Directed Self-Assembly
 2. Functionality in Nanoscale
 3. Properties of Single Nanoscale Objects



The Ministry of Education

- Development Programme for Nanoscience and Nanotechnology 2007–2009 (24 M€)
- Aims:
 - to develop university education and research
 - to create centres of excellence
 - to fund infrastructure



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Co-operation and commercialisation

PERLOS

ECOCAT
fresh ideas - cleaner future



UPMI

STORAENSO

DCA
INSTRUMENTS

VTT

milliDyne
SURFACE TECHNOLOGY

WIPAK

FINNZYMES

UPSTREAM

HEPTAGON

EXEL

DANISCO

metso
paper

LUMENE®

TEKNOS

CEMENTA

HEIDELBERGCEMENT Group



PerkinElmer™
life sciences.

WALLAC

PKelc

NOKIA
CONNECTING PEOPLE

NESTE OIL

Ark
Therapeutics



SAYCOR

PLANAR

CONSOLIS

VAISALA

kemira

AdaptaMat

PIKOTEKNIK OY

EPICRYSTALS

VivoOXID



INION
Intelligent Solution

milliDyne
SURFACE TECHNOLOGY

RAUTE

CONMED
CORPORATION

RUUKKI

outokumpu

beneq

Specim

metso
automation

uniq
BIORESEARCH

genano

VTI
TECHNOLOGIES

Silecs

PANIPOL

EXXOTE
ARMOUR



Tekes

PROFESSIA

OXFORD
INSTRUMENTS

IPE IonPhasE oy
The Next Generation of Conductive Polymers

OMG
OM Group

PicoSun

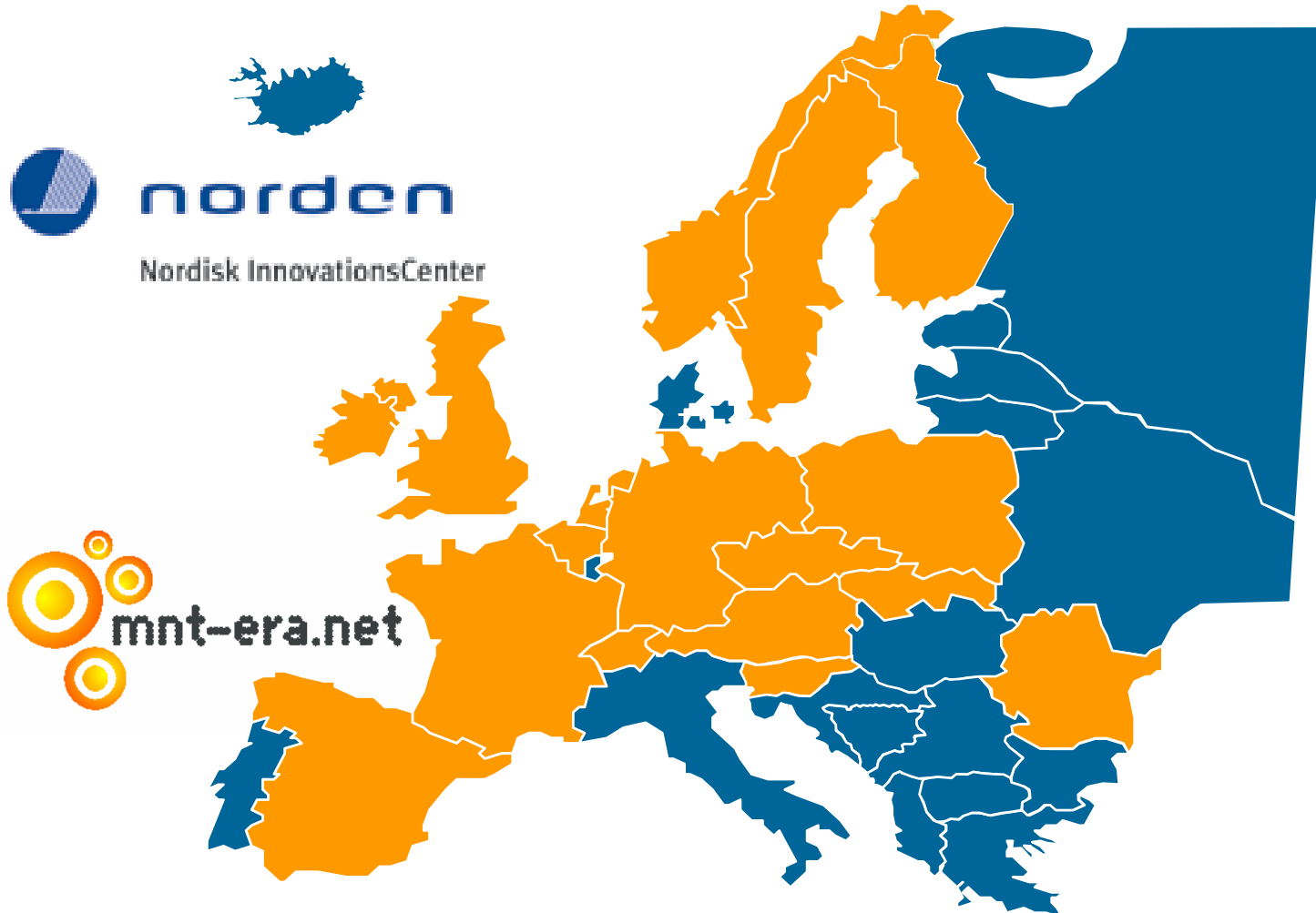
micromuscle



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International co-operation

- International co-operation is of major relevance to the programme.



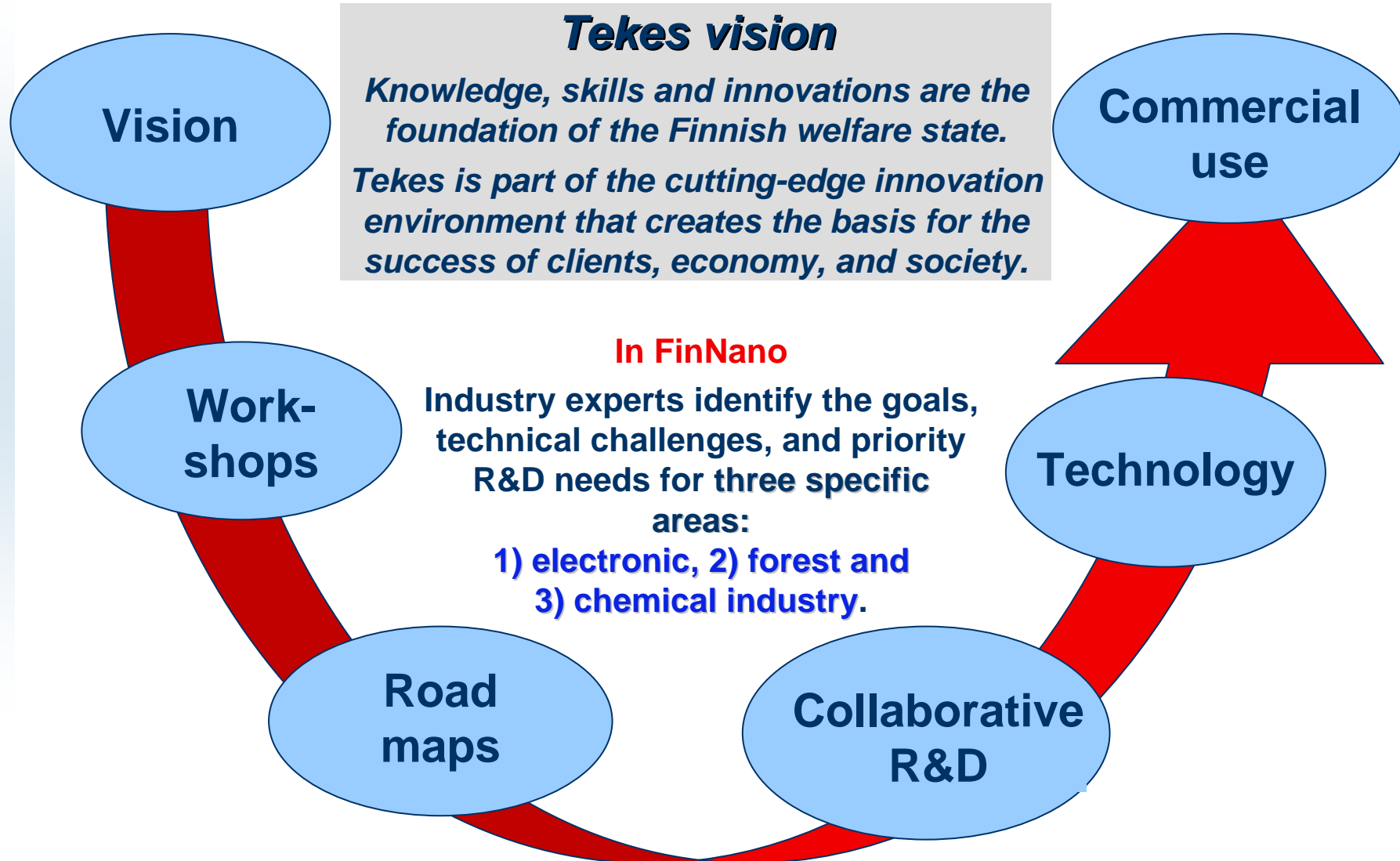
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FinNano technology programme

Vision Work 2006



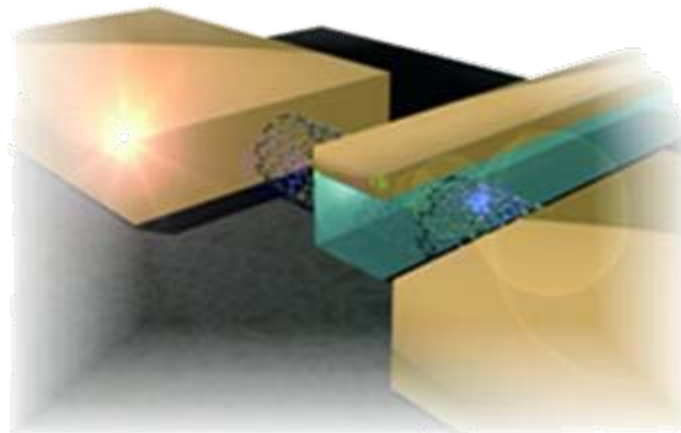
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Finnish Nanoscience and Nanotechnology Programme 2005-2009

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