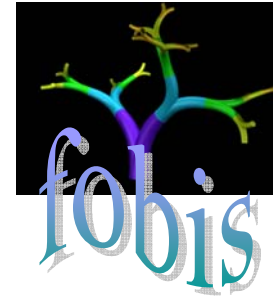




norden

Nordic Innovation Centre



”FOBIS”

Foresight Biomedical Sensors



Workshop III



3rd March 2006

Citykonferensen, Stockholm

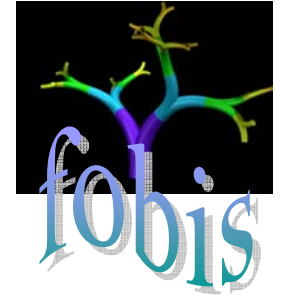
BioTech Umeå

Dag Ausen, SINTEF ICT
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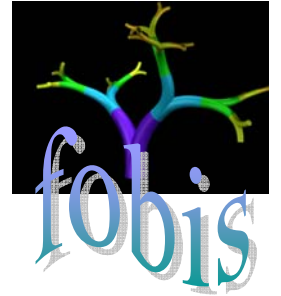


www.nordic-fobis.net

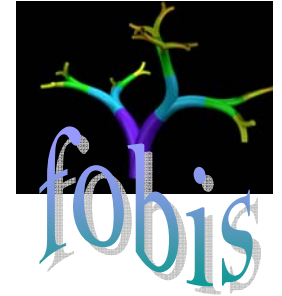
Project consortium



Key questions to be answered



- How will biomedical sensors shape the healthcare systems of the future?
- How can they impact the quality and cost of healthcare
- What are the business opportunities in the Nordic region?

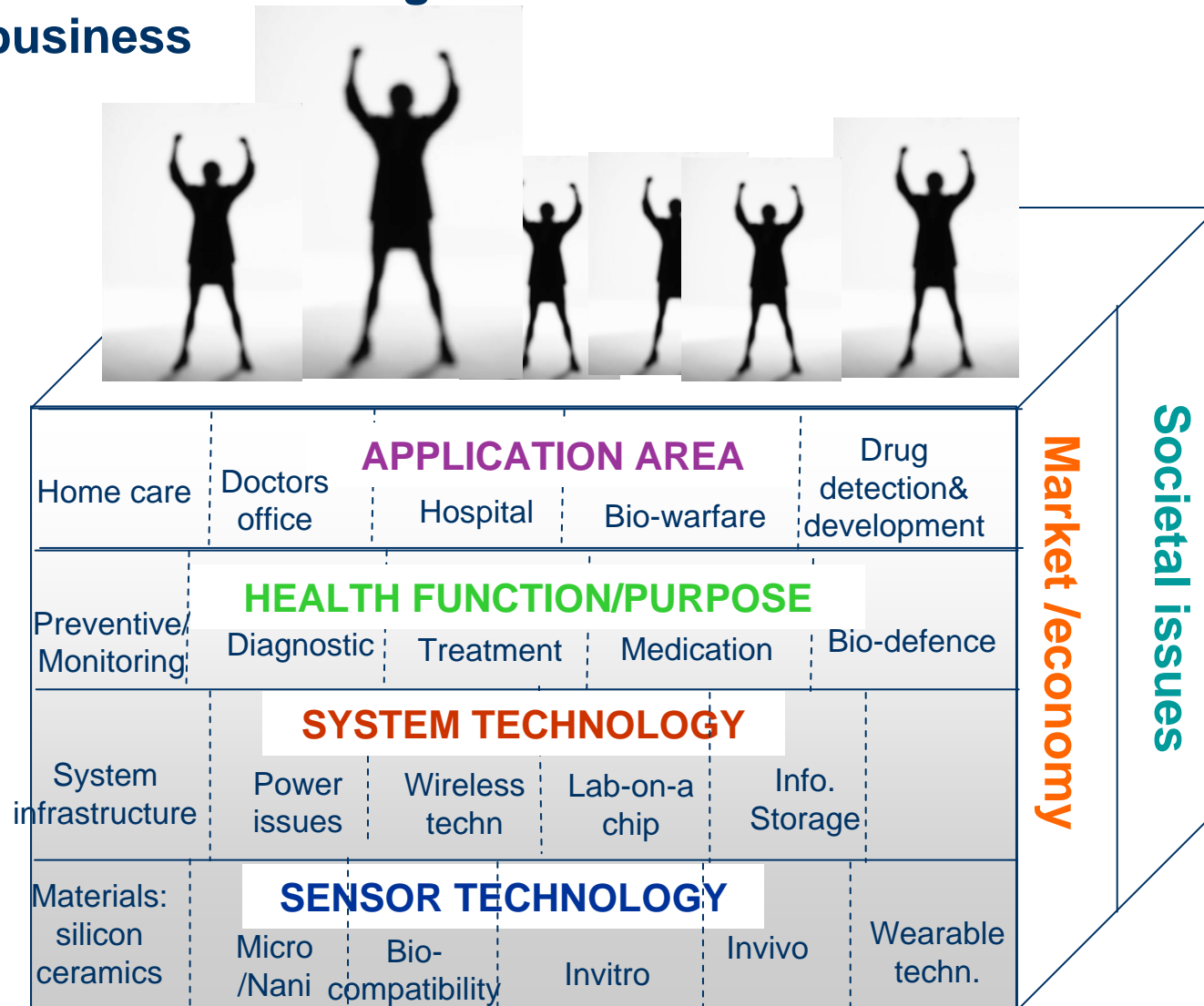
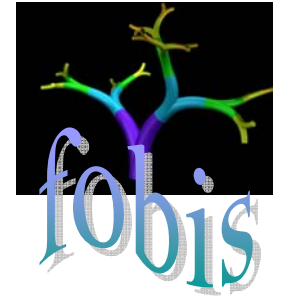


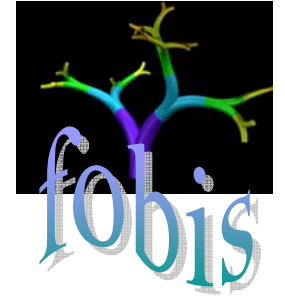
Objectives

- To enable a strategic understanding of the possibilities and implications of the use of biomedical sensors for healthcare purposes by establishing likely scenarios for technology, applications and markets.
- To provide a framework for commercially viable exploitation of biomedical sensor penetration in the Nordic region by enhancing a network of competencies relevant to technology and applications.

FOBIS objectives

Building a platform for strategic decisions
for Nordic business



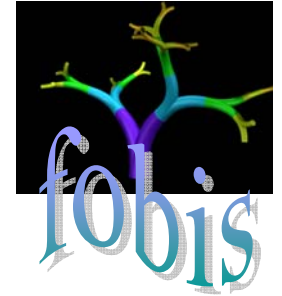


Methodology

- The project revolves around a series of workshops as the main vehicle
 - 1st Copenhagen 6-7th October 2005
 - 2nd Oslo, 2nd November 2005
 - 3rd Stockholm, 3rd March 2006
 - 4th Tampere, 8th June 2006 (preliminary date)

Workshop I

~~Biophonet~~



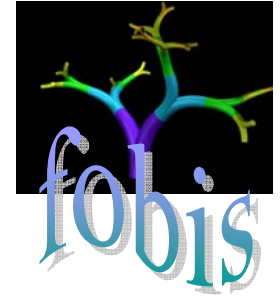
Park Inn Copenhagen Airport, Denmark (40 participants)

Objective:

To establish status, needs and perspectives for biomedical sensors

Program day 1

- Background for the foresight FOBIS, *Ingrid Svagård* SINTEF
- Introduction and objectives, *Lars Lading* Sensor Technology Center A/S
- The Hospital Laboratory of the future, *Jens F. Rehfeld*, Copenhagen University Hospital
- Security and Defense, *Åke Sellström*, The Swedish Research Defence Agency
- Health technology assessment: an introduction with emphasis on the clinical and economic evaluation of diagnostic tests, *Hindrik Vondeling*, Centre for Applied Health Services Research and Technology Assessment, University of Southern Denmark
- Marketing Biosensors: Opportunities and Pitfalls based on real world experiences, *Ulf Jönsson*, CEO of Celectricon and former CEO of Biacore
- Biosensor Technology – an overview, *Lars H. Pedersen*, Bioneer A/S



Workshop I

Program day 2

Group workshops on medical sensors in relation to health care, safety and drug development

- The task of the groups is to evaluate common practice and foresee the impact of biomedical sensing over the next 10 - 15 years on *home care*, *doctors office* and *hospital* diagnostics and surveillance systems.

■ Home care:

- What are the possibilities for home care diagnostics at present and in the years to come? (self testing, remote testing and control, the relation patient-doctor-hospital)

■ Doctors office:

- Current diagnostic techniques at the doctor's office. What will a doctor's office offer in 15 years? (doctor's office/offices, central vs. decentralized diagnosis and sensing, doctor's office in a high tech health care system etc)

■ Hospitals:

- Central diagnostic units versus decentralized (near patient testing and central labs, hospitals as surveillance centers, hospital vs. doctors office)

■ Defense and security:

- Central diagnostic units versus decentralized (near patient testing and central labs, hospitals as surveillance centers, hospital vs. doctors office)

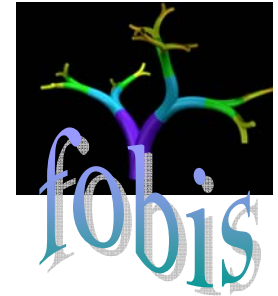
■ Pharmaceutical Industry:

- Requirements and possibilities in relation to 'time-to-market' and development costs.

■ Group presentations, with comments and discussions in plenum

■ Main conclusions of the workshop & inclusion in FOBIS and future FOBIS activities

Workshop II



GSK Conference Centre, Oslo (35 participants)
Part of the MedCoast week/ ScanBalt Forum 2005

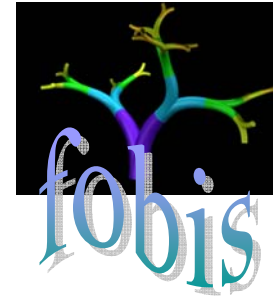
Program

■ Expert talks 10:15 – 13.00

- *Ethical challenges in biosensor research and – applications*, Ole Johan Borge, Bioteknologinemnda
- *Potential of biomedical sensors; state of the art, future perspectives*, Erik Fosse, M.D., leader of the Interventional Centre, Rikshospitalet
- *Biomedical sensor technology: state-of the art and future roadmap*, Ralph Bernstein, Research Director, SINTEF ICT
- *Market issues/business opportunities*, Stein Lorentzen-Lund, CEO Alertis Medical AS
- *Biomedical sensors in the pharmaceutical industry - "killer application"?*, Olav Flaten, Medical Director, GlaxoSmithKline AS

■ Panel discussion, work groups, presentations, concluding remarks

Workshop III



- Citykonferensen, Stockholm
- “How do we get there?”
- Discuss and establish technology premises and boundaries.
 - technology-driven scenario development
 - hands-on example on sensor implementation in the healthcare sector.
 - establish market enablers and restrictions
 - the role of health care authorities and other public organs.
- An exhibition will be integrated with the workshop and used as an arena to discuss the workshop theme “How do we get there?”