

NR og IKT Sikkerhet

Kick-off-møte i NISnet

Åsmund Skomedal

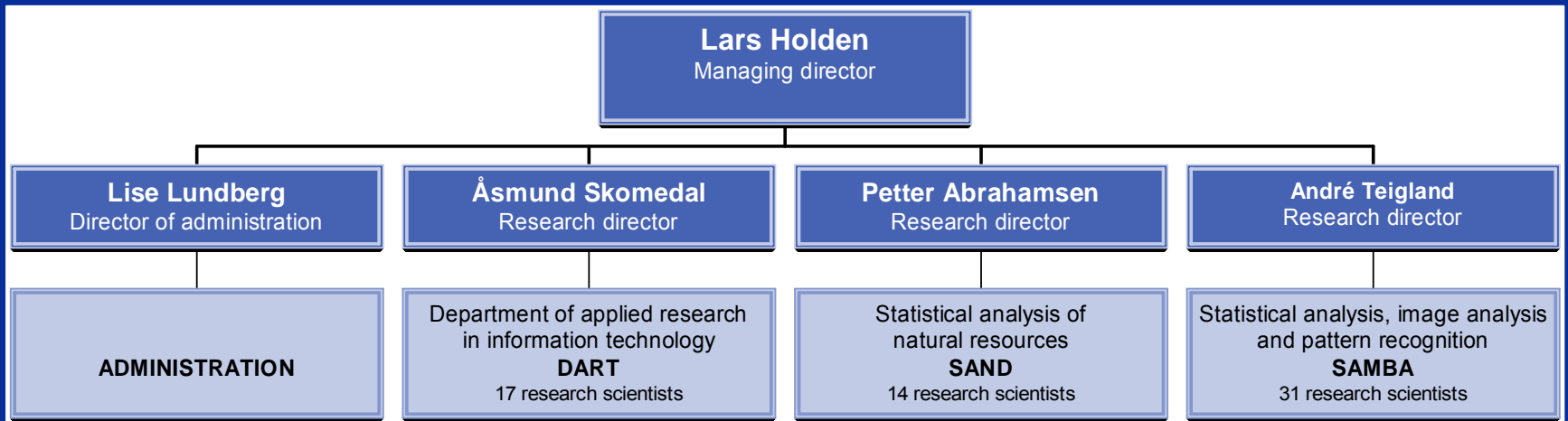
Forsknings sjef

Norsk Regnesentral

Høyteknologisenteret (HIB), Bergen

10.oktober 2007

NRs organization



Facts about NR

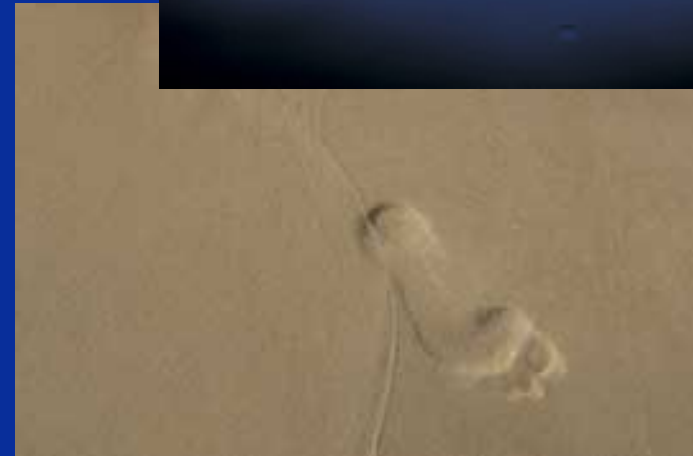
- ▶ Applied research
- ▶ Financed by
 - domestic private companies
 - public sector
 - The Research Council of Norway
 - EU
 - international companies
- ▶ Established in 1952
- ▶ 58 research scientists
- ▶ Turnover 52 MNOK, 7 M EURO



NR's strategy

- ▶ Improve scientific level
- ▶ Internationalization
- ▶ Applications depend on market
- ▶ Customer relation

Research results that
are used and visible



NR's strengths

- ▶ **Competent researchers who**
 - are updated on the latest technical and methodological development
 - are able to choose relevant methods and use them right
 - master both conceptual development and implementation
 - have rich knowledge about application areas

- ▶ **Objectivity and independence**

- ▶ **Professional project organization**
 - deliver good result as agreed, within time and cost limits



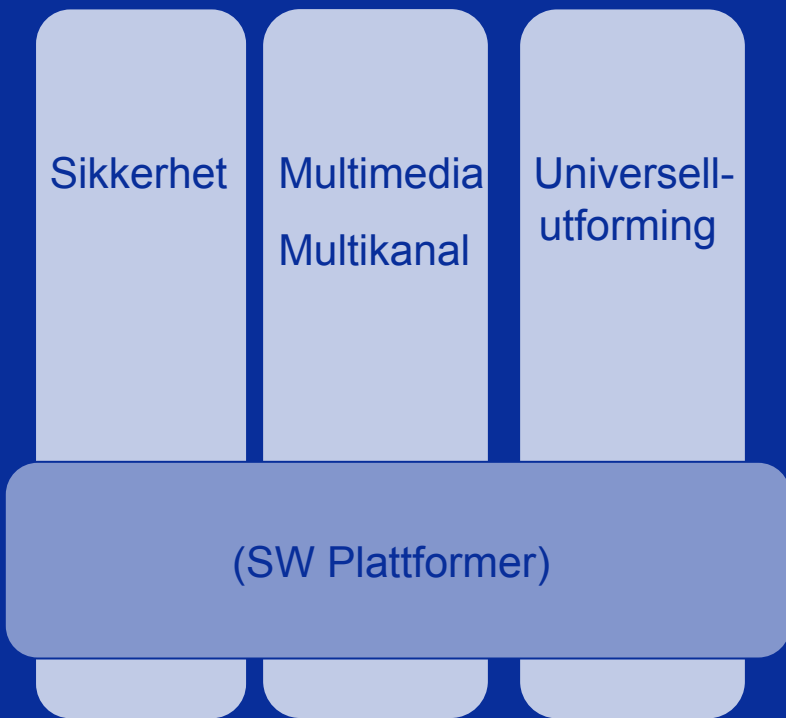
EU projects

(5th and 6th Framework Programme) — examples

- ▶ **CASENET**
 - A platform for risk analysis of security critical systems
- ▶ **FOREMMS**
 - Forest environmental monitoring and management system based om remote sensing
- ▶ **EUROCLIM**
 - Environmental monitoring by remote sensing
- ▶ **SAIGUP**
 - Sensitivity analysis of the impact of geological uncertainties on the production forecasting of clastic hydrocarbon reservoirs
- ▶ **Geoland**
 - Remote sensing
 - Mountain vegetation and snow cover



DART forskningsområder



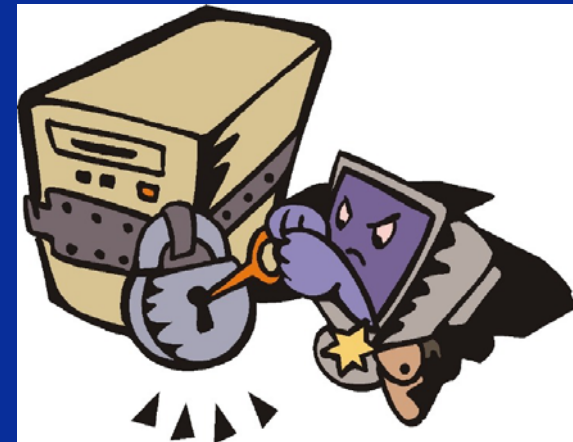
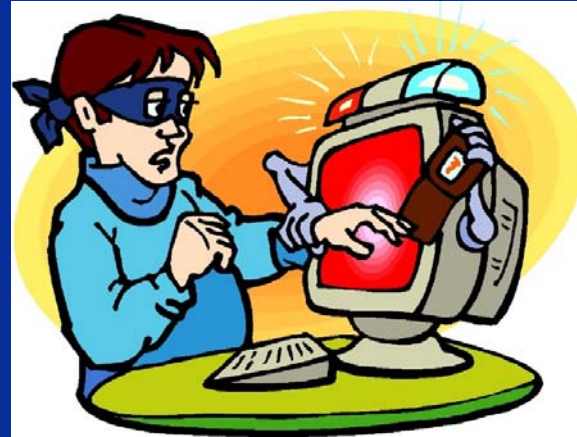
17 Forskere

4 PhD Studenter

3 EU Prosjekter

ICT Security

- ▶ Privacy
- ▶ Digital forensics
- ▶ Risk management
- ▶ Public Key Infrastructure (PKI)
- ▶ Digital Rights Management (DRM)
- ▶ Mandatory Access Control



Relevante NR-prosjekter

Prosjekter – Personvern og Sikkerhet	Periode
PETweb (NFR/Verdikt) Privacy Enhancing Tech for aggregated services	2007
Secure middleware (EU – FP7)	2007-2009
LongRec (NFR/BIP) Long term storage of data, PL: DNV	2007-2009
Privacy SIP (NFR/SIP) Privacy for location based and web services	2003-2005
DESDIFOR (NFR/IKT-SOS) Standards for Digital Forensics Readiness	2004-2006
CORAS (EU/FP5) Critical infrastructure protection – Risk Management	2001 –2003

ICT Security – current fields of interest

- ▶ **Privacy & Security Risk modelling**
- ▶ **Privacy Enhancing Technologies (PETs)**
- ▶ **Collection & processing of electronic evidence**
- ▶ **Security in Patient monitoring systems**
- ▶ **Secure middleware solutions**
- ▶ **Security in VoIP**

Industry/NFR projects, EU projects

ICT (cont.)

- ▶ **Multimedia multichannel**
 - **Video/Audio Streaming**
 - **Multimedia Metadata & Databases**
 - **Mobility**
 - **Games**
 - **Digital TV**
 - **Multimedia e-learning tools**



ICT (cont.)

- ▶ **eInclusion**
 - **Universal design**
 - **Product and services accessible by as many users as possible**



Slutt

- ▶ **Takk for oppmerksomheten !**
- ▶ **Spørsmål ?**
- ▶ **Kontakt: asmund.skomedal@nr.no**

Market

