Wetenschappelijke Integriteit
VCWI – 28 oktober 2015
Hans De Canck
Director Human Capital
CITY OF THINGS CONNECTS 200,000 CITIZENS WITH 34,000 SMART DEVICES REPRESENTING THE LARGEST IoT LIVING LAB EVER OFFERED TO TECH BUSINESSES.
Mission

Making digital technologies a driver for socio-economic growth IN and FOR Flanders through digital research, innovation and incubation of international excellence.
iMinds is Flanders’ digital research and entrepreneurship hub

1. Every day, companies leverage the know-how and experience of our 900+ researchers at 5 Flemish universities.

2. We help companies develop products and services with a positive impact on society and economy.

3. We help entrepreneurs successfully take their ideas to the market.
How we drive future-proof innovation

- Strategic research on key technologies
- Demand-driven research with the industry
- Support for entrepreneurs and new business ideas

Socio-economic challenges
Our community

900+ researchers

Universiteit Antwerpen
KU Leuven
Vrije Universiteit Brussel
Universiteit Hasselt
Universiteit Ghent

iMinds
5 research depts – 21 research groups

HEAD OF RESEARCH DEPARTMENTS

Piet Demeester  
Internet Technologies

Rik Van de Walle  
Multimedia Technologies

Bart De Moor  
Medical Information Technologies

Wouter Joosen  
Security

Caroline Pauwels  
Digital Society

IBCN – UGent  
WiCa – UGent

MOASAIC – UAntwerpen

EDM - UHasselt

MMLAB – UGent  
IPI – UGent

ETRO - VUB

ITEC - KU Leuven  
PSI-VISICS - KU Leuven

EDM - UHasselt

STADIUS – KU Leuven  
PSI-MIC – KU Leuven

ETRO – VUB

IBITECH – UGent

Visionlab - UAntwerpen

DISTRINET – KU Leuven  
COSIC – KU Leuven  
ICRI – KU Leuven

SMIT – VUB

MICT – UGent

CUO – KU Leuven
iMinds culture & values

ONE TEAM
- People development
- Cooperation

MARKET EXCELLENCE
- Open to change
- Entrepreneurship
- Societal relevance

TRUSTED PARTNER
- Quality
- Efficiency

RESEARCH EXCELLENCE
- Customer orientation
- Academic track record
- Result driven
iMinds Research & Integrity Challenges
Strategic Program Principles

- Unlocking grand research challenges
- Leveraging multi-disciplinary geeks
- Judged by results, not compliance
- Prototypes rather than reports
- Real collaboration via co-location and open offices/labs
ICON: Interdisciplinary Cooperative Research

INTERDISCIPLINARY COOPERATIVE RESEARCH

RESULT

DEMONSTRATOR

MARKET

SPIN-OFF

PRODUCT

PRODUCT AND SERVICES DEVELOPMENT
### ICON focus on impact

<table>
<thead>
<tr>
<th>Marketable output</th>
<th>Industry</th>
<th>Research groups</th>
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| (External)         | New products  
                    | New business            
                    | New product/market combinations | Education  
                    |                                      | New research domains |
| Operational (Internal) | Operations/processes | | |
| Intellectual output | Expertise  
                    | Knowledge              
                    | Patents                | Expertise  
                    |                                      | Knowledge  
                    | Reputation  |
Validation & Testing

Integrity Challenges
Living Labs?

- **Multi-stakeholder** organization aimed at **innovation projects** starting from user needs & experience
- **Active user involvement** to validate and detect unintended or unforeseen problems or opportunities
- **Multi-method research** and support with a commitment to academic enrichment in a **real-life setting**
iMinds - Living Labs organization

- panel & community management
- living lab user research
- prototyping & testing support
- business innovation support
- European Network of Living Labs

Validated "360 innovation toolbox"
The iMinds journey from research to entrepreneurship

Discover business opportunities
Draft business proposition
Launch a startup company
Grow your company

Research

Opportunity recognition

Business

iStart

iBoot

Company Growth

Acceleration

Time
On Integrity
Context

Uniform Framework Agreements Universities & Mixed payroll structure (15% of research population on iMinds Payroll)

⇒ Hybrid Organisation model

- Research Depts organisation model (21 iMinds research groups / 5 RDs)
  - = cross university
  - = no day2day mgmt but strategy alignment only

- Role & Responsibility Research group leader is crucial (on prevention & sanctioning)

- Trust person identified in iMinds for iMinds Payroll

(C)WI Knowledge sharing between University & iMinds = key
iMinds Regulations

- Policy statement on Human Capital Strategy Website
- “Good Research Praxis” Labour Regulations (iMinds Payroll only)
- No fixed CWI but iMinds Scientific Board (for consultation)
- iMinds DirRaad = decision body on WI only in consensus with CWI university
iMinds instruments & actions

- Integrated in iMinds Funding Programs (ICON)
  - Framework contract and NDA (<2013 : IP binded)
  - Promote OpenSource
  - Default MyMinds platform (controlled, secure, transparent) < data & communication management instrument
  - Internal Peer review procedure on deliverables and publications

- Information Campaign: > 2016
  - Better IT Version Control (GitHub)
  - On Data Integrity (Data Science)

- Trainings on Collaborative Research skills (< 2015)
  - Budgets, Valorization, Open Innovation, Consortium
Towards iMinds 3.0

Development of iMinds Code of Conduct for Excellent Research
(< HRS4R) => iMinds 3.0 (2017)

New iMinds specific topics

• iMinds Strategic Research Programs
  • Lessons learned from ICON / iStart Flipped TT - instruments
  • Collaboration ships with RTO’s and Industry
• Researchers in Residence concept (researchers “in company”)
• New KPI’s on Research Excellence stimulate quality & integrity over quantity
Open Innovation
Collaborative Research
Multi disciplinary Research

Privacy & Trust
Data Integrity
Version Control