



iMinds

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



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



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

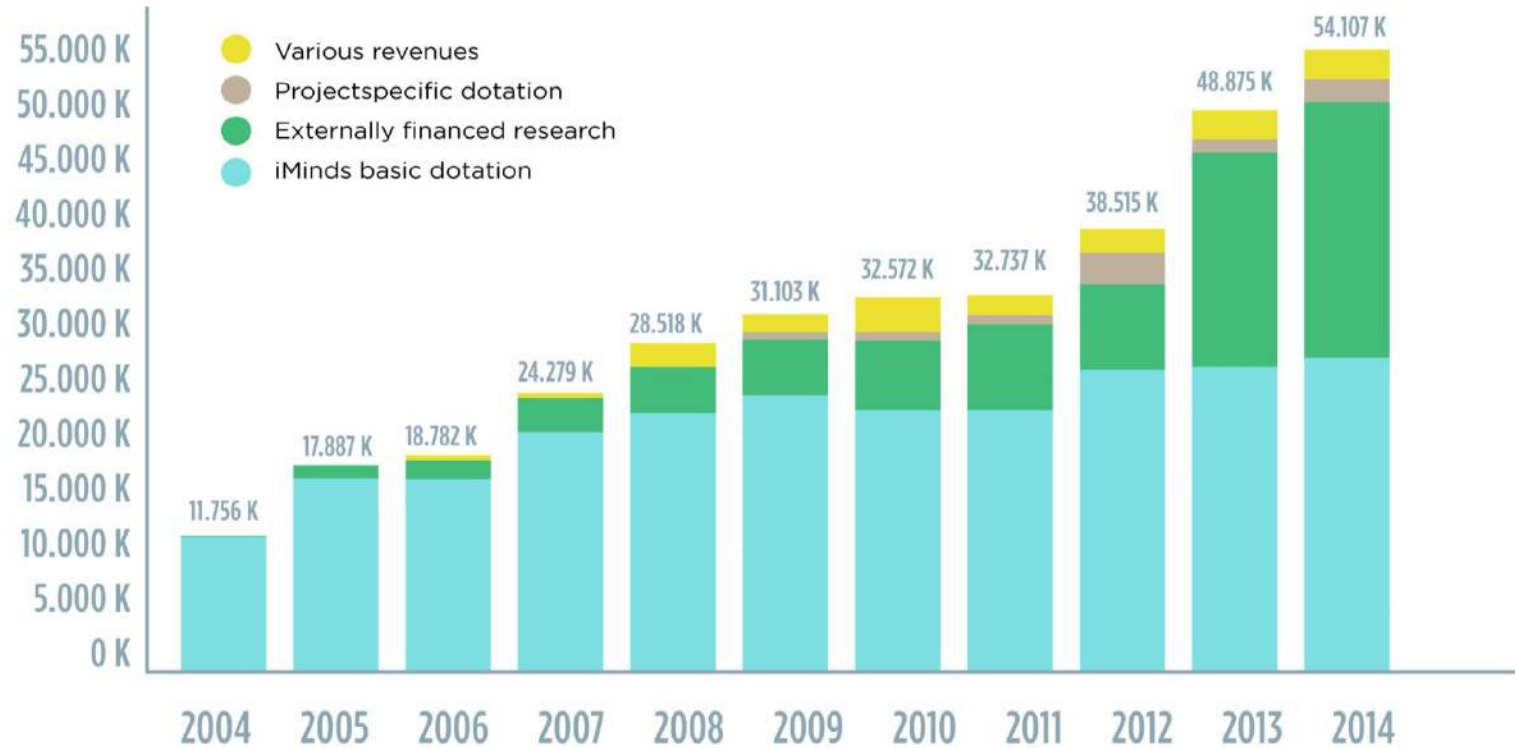


We help entrepreneurs successfully take their **ideas to the market**

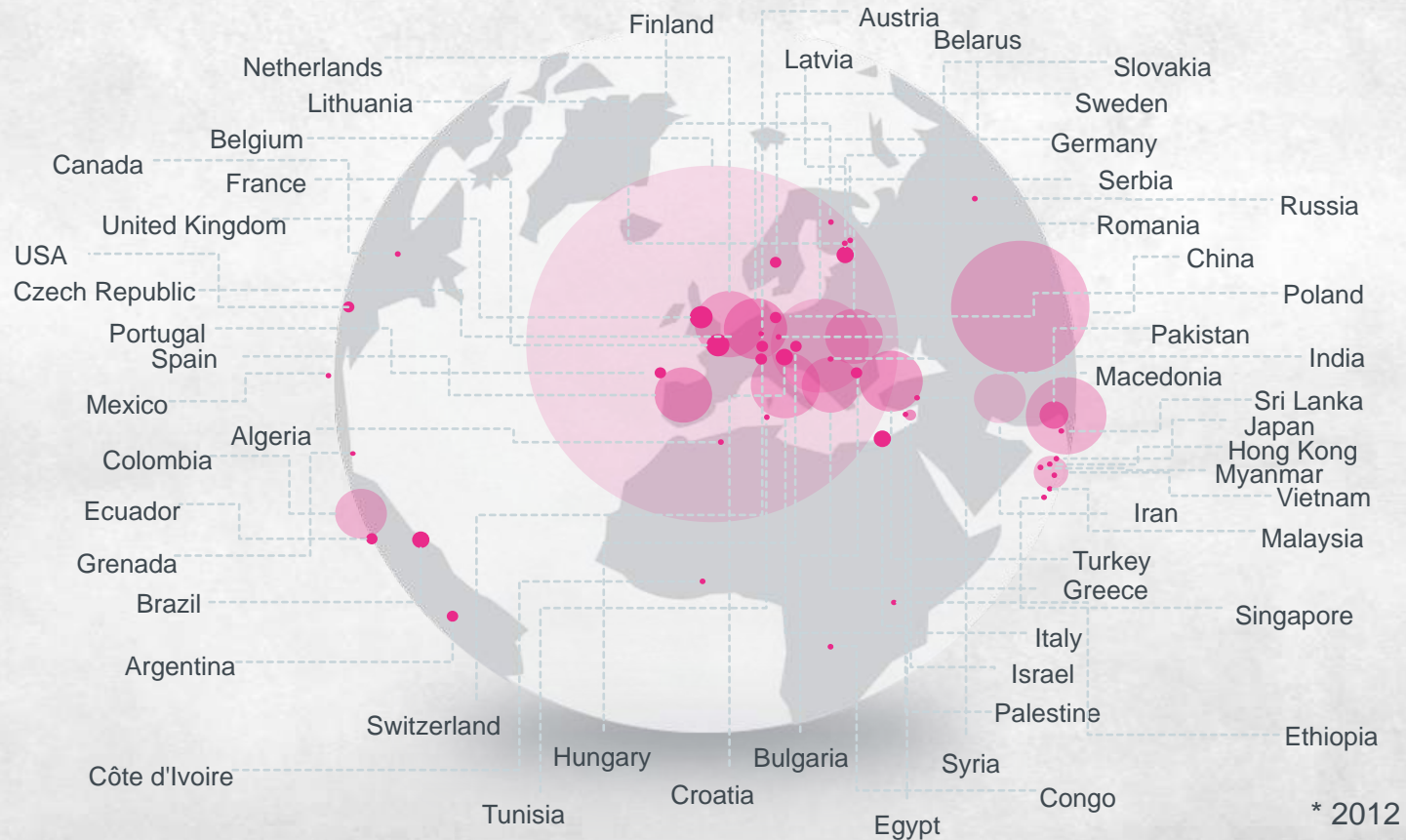
How we drive future-proof innovation



iMinds Continuing Growth

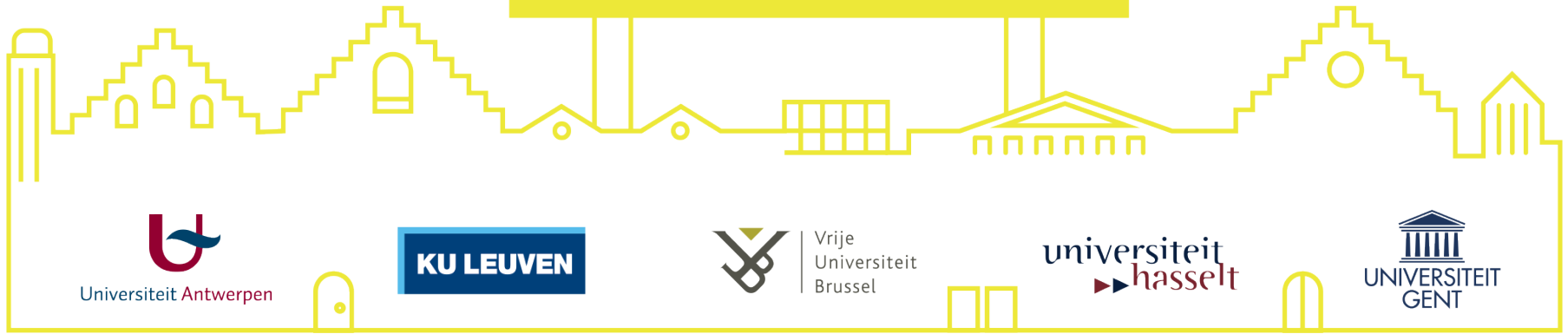


INTERNATIONAL RESEARCH COMMUNITY



Our community

900+ RESEARCHERS



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

MOSAIC – 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

A close-up photograph of a person's hand inserting a fiber optic cable into a network switch. The switch is a rack-mounted device with multiple ports. Several yellow fiber optic cables are plugged into the ports, and a hand is shown in the process of connecting another one. The background is slightly blurred, showing more of the network infrastructure.

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



ICON focus on impact

	Industry	Research groups
Marketable output (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



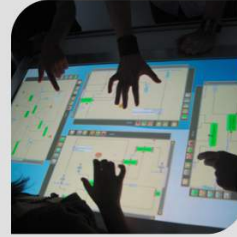
**panel &
community
management**



**living lab
user research**



**prototyping &
testing
support**



**business
innovation
support**



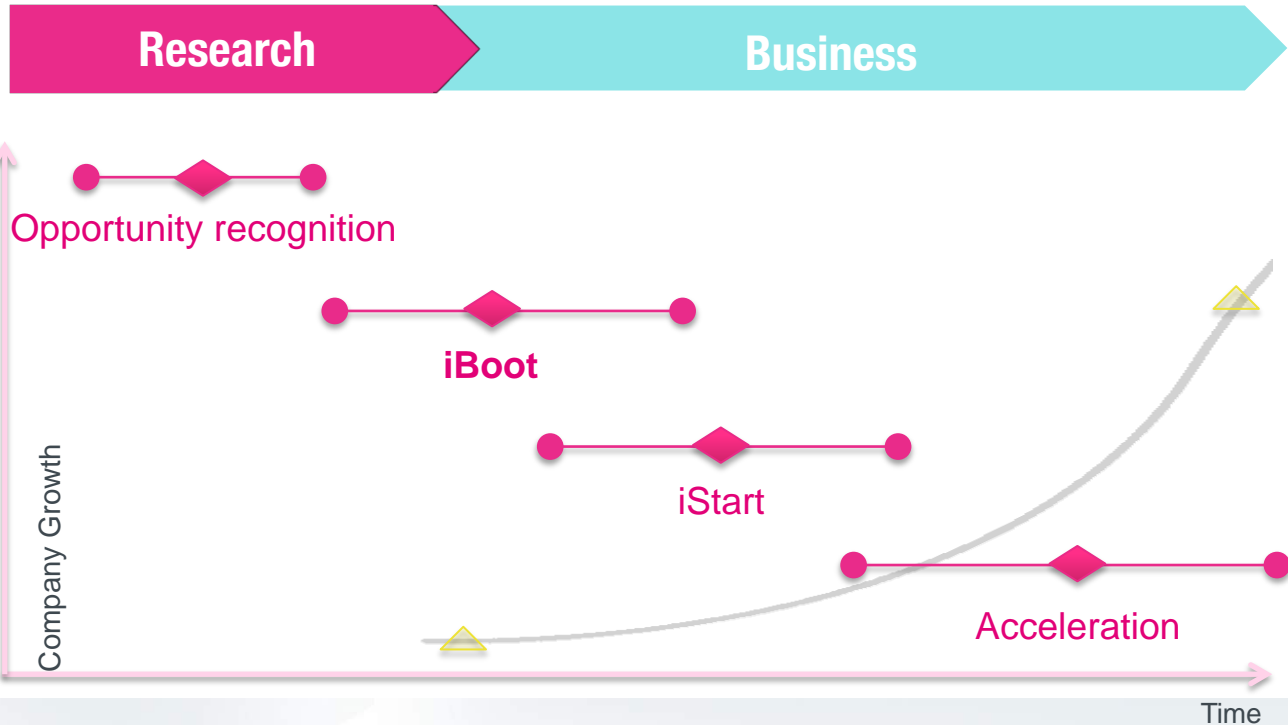
**European
Network
of Living Labs**

Validated °360 innovation toolbox

A person wearing a light blue button-down shirt is looking at a laptop screen. The image is semi-transparent, and a large white text overlay is positioned in the lower half. The background shows the person's hands near the laptop and the screen's content, which is blurred.

Incubation & Entrepreneurship Integrity Challenges

The iMinds journey from research to entrepreneurship



On Integrity

A wide-angle, high-angle shot of a large conference hall filled with an audience. The audience is seated in rows, facing a stage at the far end. The stage features a large presentation screen with a slide titled "PLENARY KEYNOTE" and "10 YEARS OF DIGITAL RESEARCH THAT MATTERS". The stage is lit with purple and white lights. The ceiling is a complex, geometric structure with recessed lighting. The walls are white with dark horizontal bands. The overall atmosphere is professional and high-tech.

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, transparant) < 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