

**Dr Jean-Philippe Arié** 





## Key public academic research players

## Luxembourg Centre for Systems Biomedicine (LCSB) - (2010) - University of Luxembourg (2003)

• Parkinson's disease, metabolomics and disease network analysis







#### Laboratoire National de Santé (1980)

 pathologie morphologique & moléculaire, génétique, biologie médicale, microbiologie, médecine médico-légale, protection de la santé



## IBBL (Integrated BioBank of Luxembourg) (2008)

high-quality biospecimens and associated data



#### Luxembourg Institute of Health (LIH) (1987)

•oncology; infection and immunity; and population health





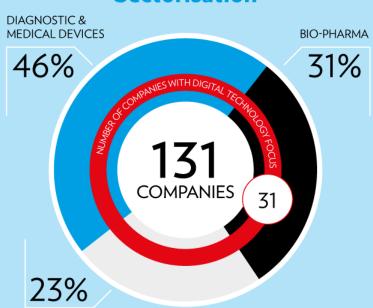
## **E**conomic contribution

€175 MILLION
OF ADDED
VALUE
GENERATED IN 2016

0.38%

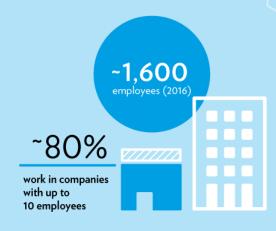
OF GDP IN 2016

#### Sectorisation



OTHER HEALTH TECHNOLOGIES

#### **Workforce**





Expanding geographical location



Sources: Orbis (Bureau van Dijk), Editus Data, Luxembourg Business Registers (LBR)

## LUXINNOVATION TRUSTED PARTNER FOR BUSINESS





## A young sector



50% of today's companies were incorporated less than 8 years ago 58%
of health tech
companies are now
located outside
Luxembourg City



# Thank you!

#### Ian Cresswell

**Business Luxembourg** 

Dr Jean-Philippe Arié
Cluster Manager - BioHealth

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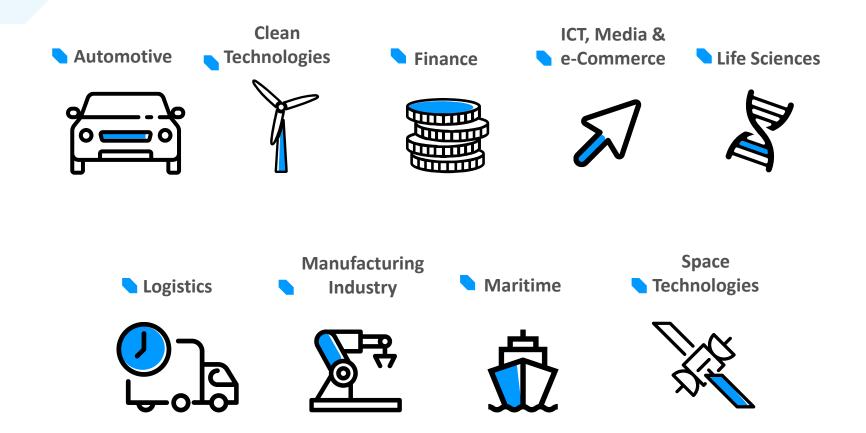
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# **LUXEMBOURG** The smart choice for your business **LUXEMBOURG** TRADE & INVEST

## Key business sectors





## A magnet for talent

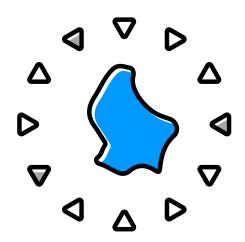
## Cosmopolitan workforce



600,000 inhabitants

48% foreigners

> 170 different nationalities +/-**75%** foreign citizens in the workforce



**200,000** cross-border workers from Belgium, France and Germany



## Stable and reliable

#### **AAA** rating



Sound macroeconomic fundamentals

### **Consistent growth**



Above EU average

#### **Low inflation**



#### Low unemployment



Social stability

#### Low government debt



2<sup>nd</sup> lowest in the EU

### **High competitiveness**



most competitive economy in the world

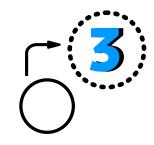


## Luxembourg: pursuing innovation

## Forward-oriented policies



A data-driven economy



Third industrial revolution



A European HPC centre



Space resources



Circular economy



Autonomous driving



## Luxembourg as a living lab

## Size and agility



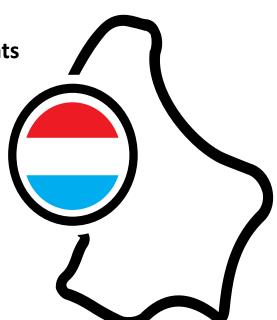
Varied population segments



On the cutting edge of new technology



Open to testing and adapting





**Diverse physical environments** 



Easy access to decision-makers

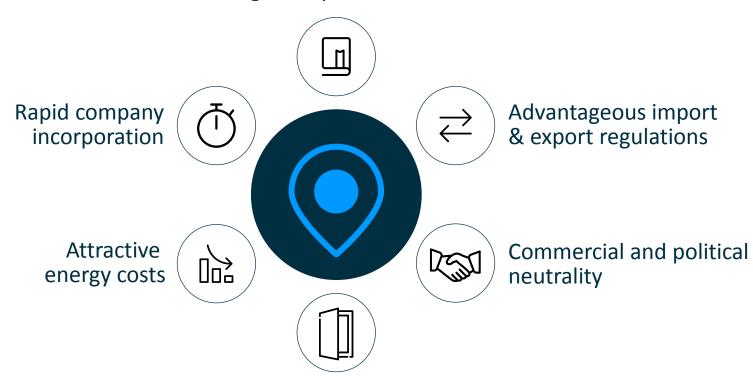


Public-private R&D collaboration



## A business-friendly location

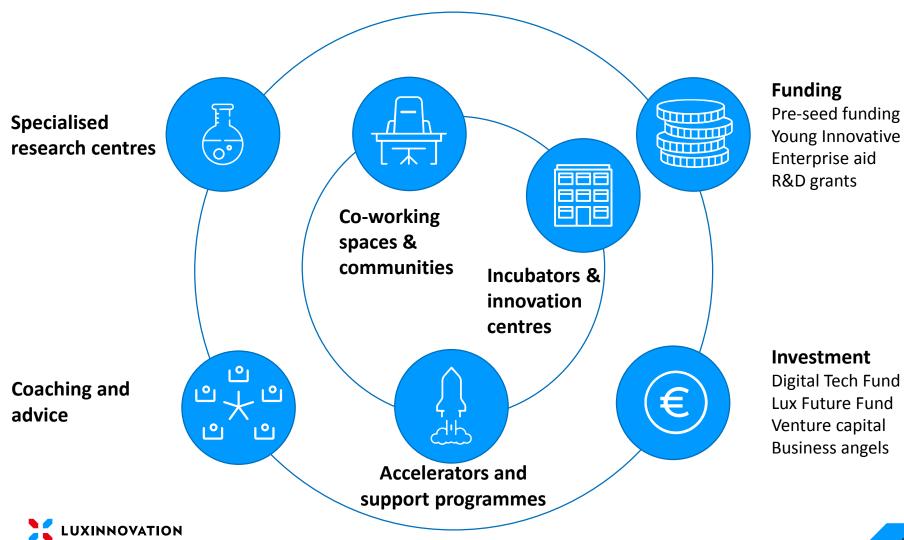
Business-oriented regulatory framework



Accessible and business-friendly government

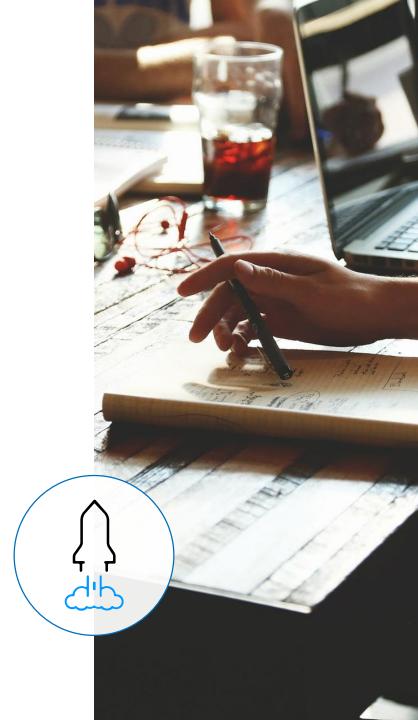


## A dynamic start-up ecosystem



## Easy procedures to start a company

- No restrictions relating to the nationality, residence or status of shareholders, directors and managers
- Articles may be drafted in English (with a French/German translation)
- Any currency may be used for accounting/reporting
- Easy work permit procedure for qualified personnel





## Investment and incentives

#### **Government grants**

- Promotion of research, development and innovation
- Investment aid for SMEs in the industrial or services sector
- Financial aid for employment, recruitment and training

#### **Government loans**

 National Credit and Investment Bank (SNCI)

#### **Digital Tech Fund**

 Provides critical venture capital for promising earlystage high-tech start-ups





#### **Luxembourg Future Fund**

- Invests in early stage companies active in technology sectors other than Life Sciences
- Must show benefits for Luxembourg economy

#### **Export credits**

 Luxembourg Export Credit Agency

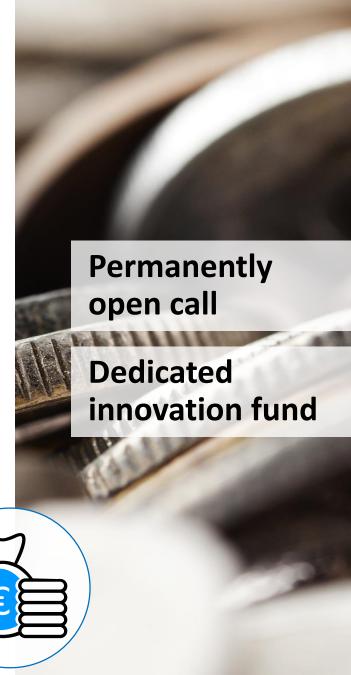
#### **Private finance**

- Luxembourg Business Angel Network
- Private banks

## National innovation funding

## Ministry of the Economy

- R&D projects or programmes
- Feasibility studies
- Innovation aids for SMEs
- Aid for small innovative enterprises
- Aid for process and organisational innovation
- Investment aid for research infrastructure
- Investment aid for innovation clusters
- Aid for the operation of innovation clusters





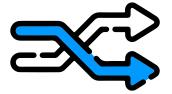
## Luxembourg Cluster Initiative



**Innovation** 



Business development



Cross-sector cooperation

Stronger competitiveness of cluster members and the Luxembourg economy





## **Luxembourg Cluster Initiative**























# Thank you!

#### Ian CRESSWELL

Head of International Affairs

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