



Putting Open Innovation Into Practice

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What is Open Innovation?

Henry Chesbrough (2003)

“Open innovation is a paradigm that assumes that firms can and should use external ideas as well as internal ideas, and internal and external paths to market, as the firms look to advance their technology. Open innovation combines internal and external Ideas into architectures and systems whose requirements are defined by a business model.”



Implementing Open Innovation



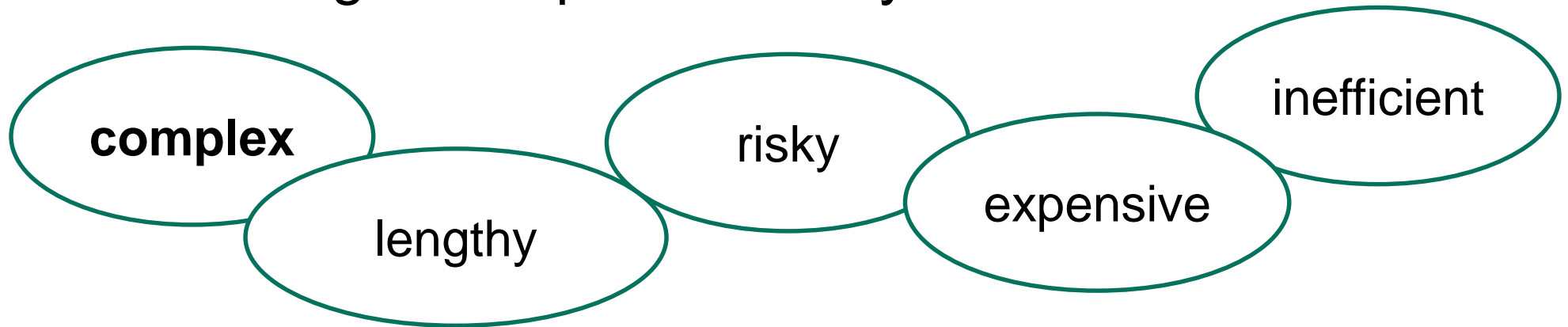
“... involving far more actors in the innovation process, from researchers, to entrepreneurs, to users, to governments and civil society.”

“We need open innovation to capitalise on the results of European research and innovation. This means creating the right ecosystems, increasing investment, and bringing more companies and regions into the knowledge economy.”

Carlos Moedas, European Commissioner for Research, Science and Innovation
- 2016

Why do we need new collaborative models in healthcare?

Because drug development is very...



Because...

- Biological mechanisms underlying disease are complex
- Clinical trial designs need to be adapted to scientific knowledge
- Regulatory pathways need be adapted in certain cases

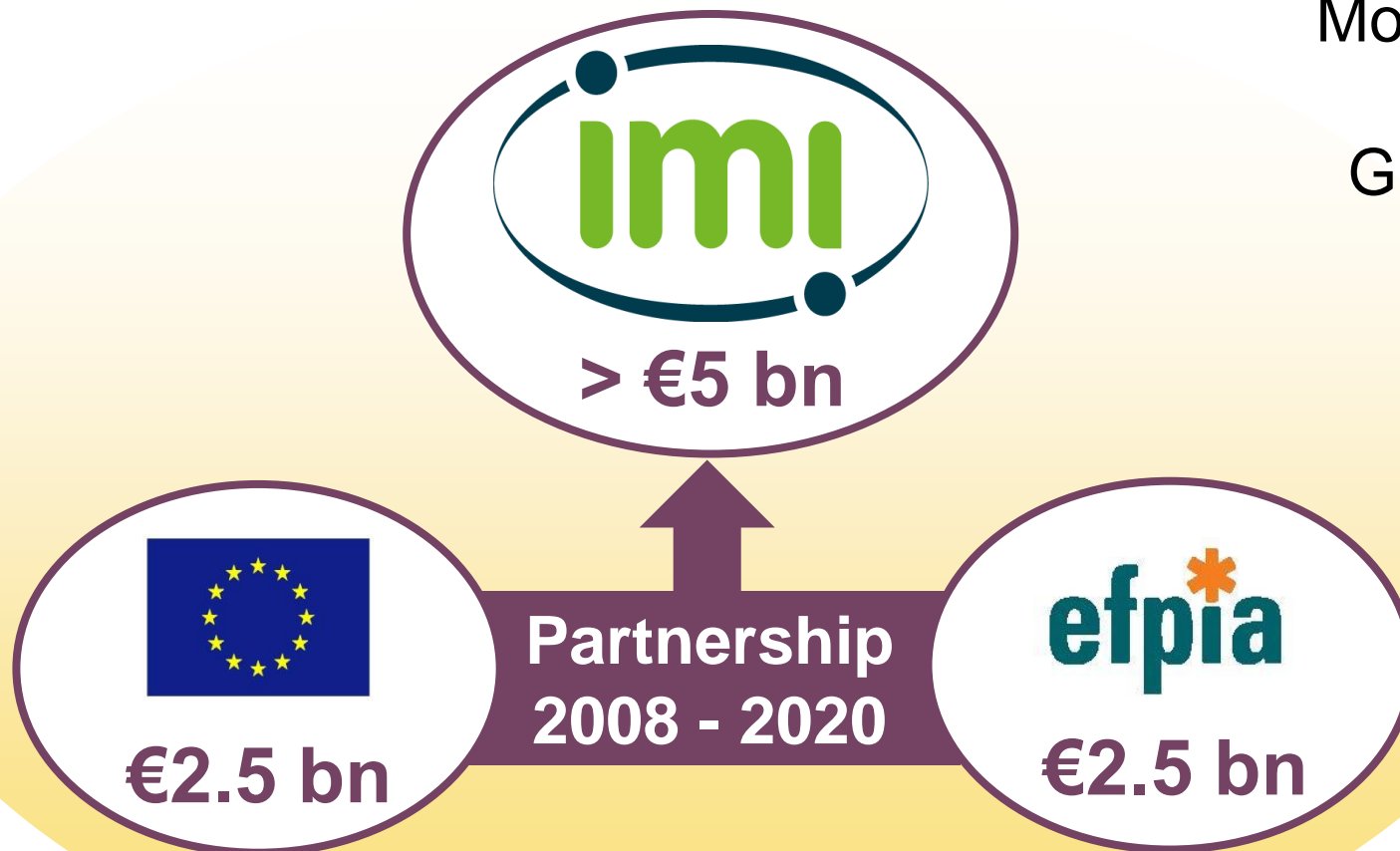
IMI – Europe's partnership for health

IMI1: 2008-2013

€2 bn budget
59 projects

IMI2: 2014-2020

€3.3 bn budget
More ambitious
More open
Greater scope

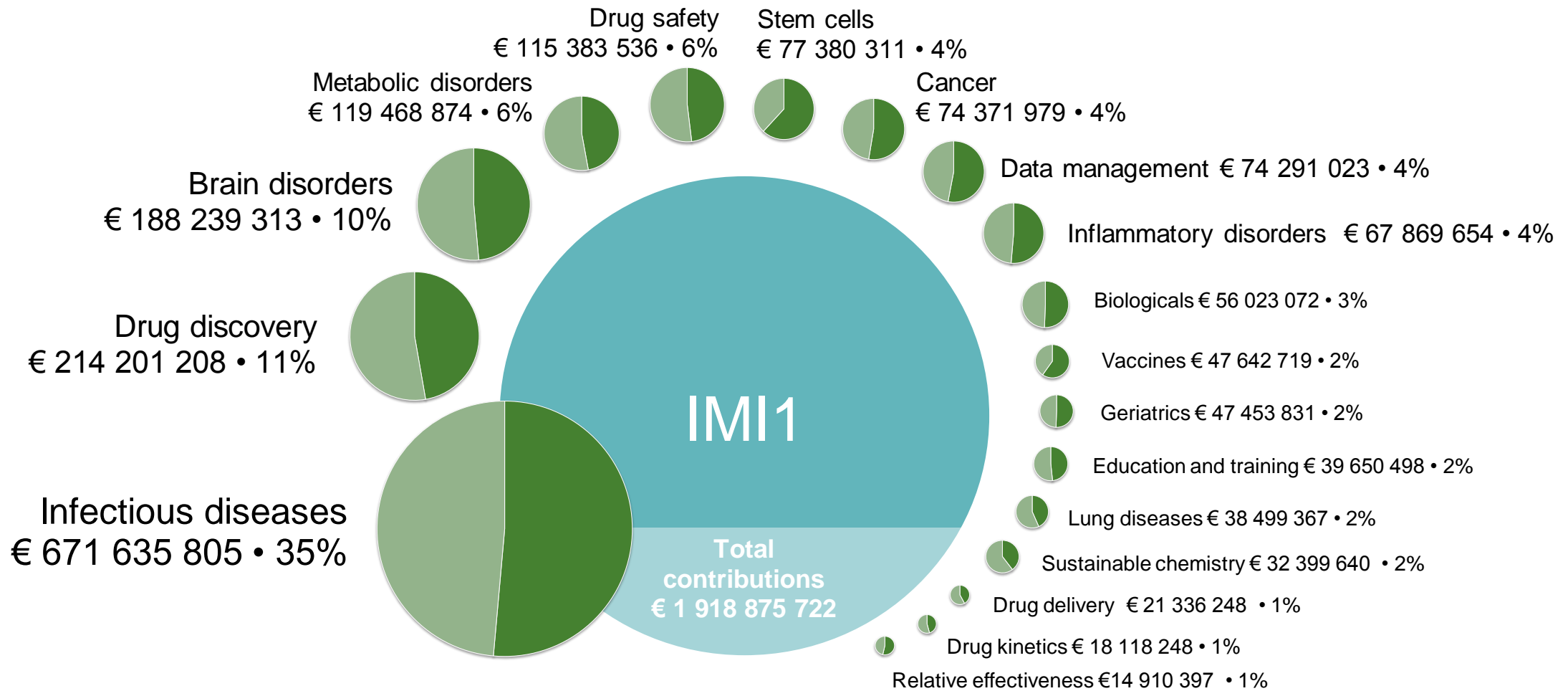


IMI – Europe's partnership for health

IMI mission

IMI facilitates open collaboration in research to advance the development of, and accelerate patient access to, personalised medicines for the health and wellbeing of all, especially in areas of unmet medical need.

Distribution of funding per scientific area – IMI1

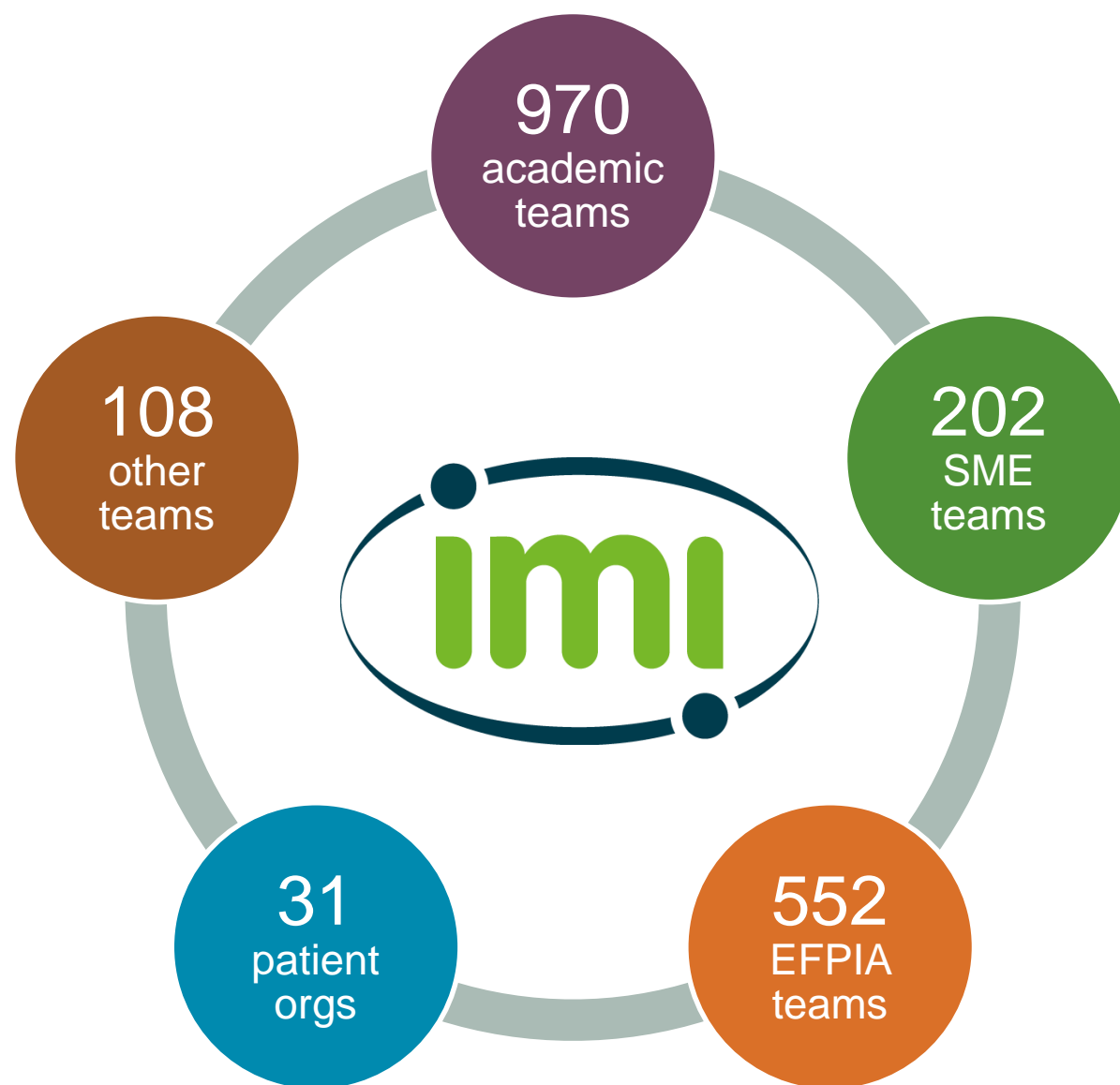


EFPIA contributions



IMI contributions

An international, cross-sector community



Over 9 000 researchers working for:

- open collaboration
- improved R&D productivity
- innovative approaches to unmet medical needs

Measures of Success

New models
developed &
published

Setting new
standards

Use
by industry

Impact on
regulatory
framework

Better drugs
and impact on
medical
practice

**Better Science = Evidence based
decision making**

IMI – Ecosystem for innovative collaborations

- Allow engagement in a cross-sector and multi-disciplinary consortium at the forefront of cutting-edge research
- Provide the necessary scale by combination of funding, expertise, knowledge, skills and resources
- Build a trustful collaboration upon a creative spirit, innovative and critical thinking
- Gain from each others (new knowledge, skills, ways of working)
- Be transformative to make a difference in drug development and ultimately patients' lives
- Communicate the societal value of this type of model

IMI is a **neutral platform** where **all involved** in drug development can engage in **open collaboration** on **shared challenges**.



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