



BRINGING YOUR RESEARCH TO LIFE

Eva Ryckeboer



WHO HAD A GREAT IDEA LINKED TO THEIR RESEARCH?
SOMETHING USEFUL FOR SOCIETY/INDUSTRY?



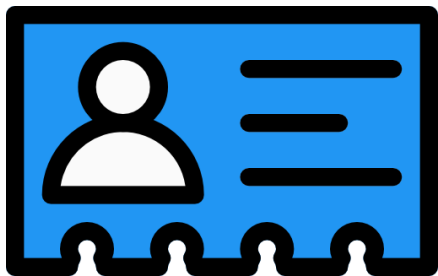
WHAT HAPPENED?

Too busy, forgot about it



Start to investigate

WHAT YOU CAN DO



Eva Ryckeboer
IOF business developer photonics

Contact me!

Role: Facilitates and **supports** NB-photonics members with **valorization of** their scientific results

“VALORIZE YOUR RESEARCH”

create economic or societal impact with your scientific knowledge



Collaborate with
companies/organizations
looking for a solution?



Starting a new business?

I AM HERE TO DO SCIENCE & PUBLISHING IT,
WHY BOTHER TO NOTIFY YOU ABOUT MY IDEA?

WHY SHOULD YOU CONTACT ME?



Your employment contract

Compulsory notification of any scientific result with a potential commercial or societal relevance before any form of publication (art. 5.1)

WHY SHOULD YOU CONTACT ME?



Public funded collaboration project

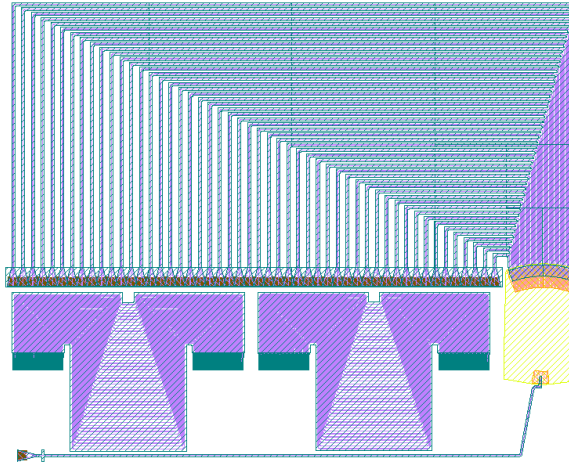
Committed to protect inventive ideas by patent applications

Committed to disseminate

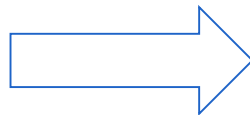
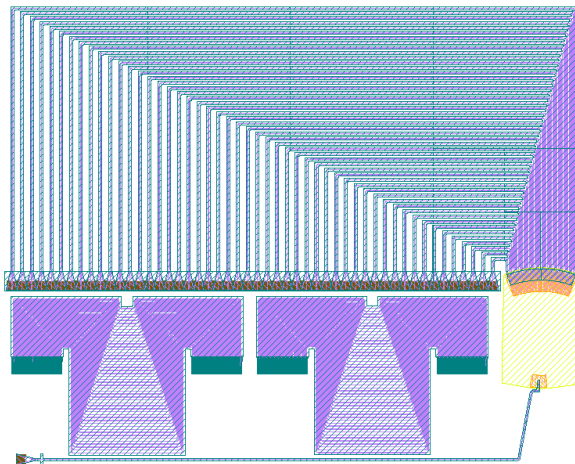
WHAT'S IN IT FOR YOU?

Increase the **impact** of your research efforts

EXAMPLE



EXAMPLE



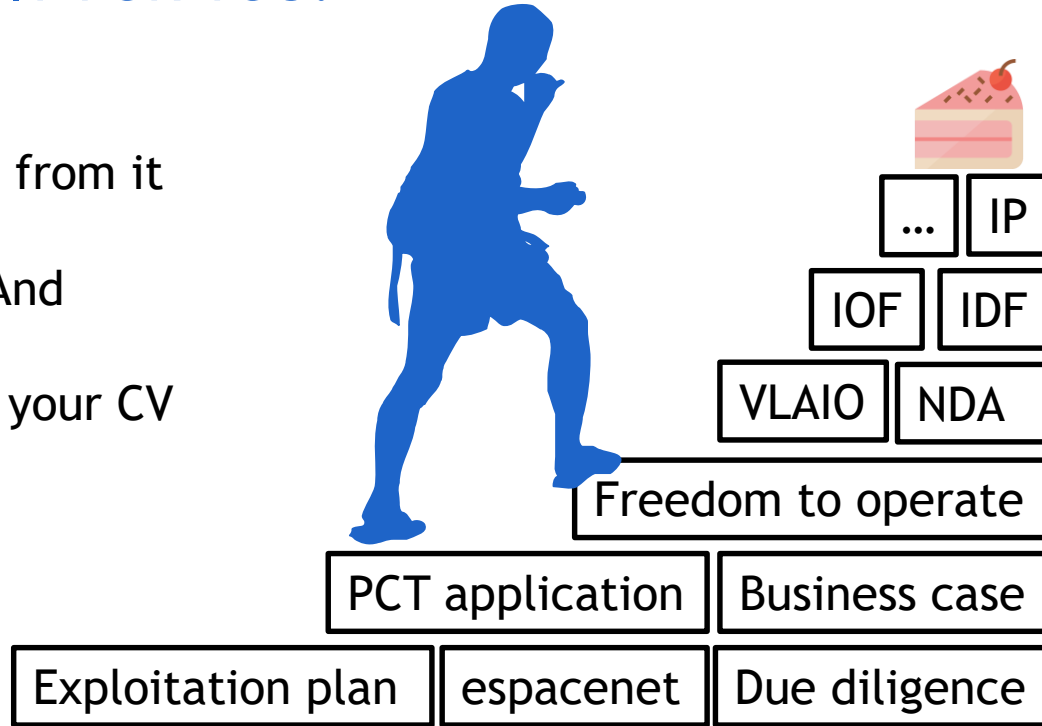
LUCEDA
P H O T O N I C S

WHAT'S IN IT FOR YOU?

Learn from it

And

Boost your CV



WHAT'S IN IT FOR YOU?

Criteria for achieving PhD degree

A doctoral student is only allowed to take the doctoral examination for a doctorate in engineering or engineering technology if s/he is

- 1. either a first author of at least two A1 publications, both at least need to have been accepted;*
- 2. or a first author of one A1 publication, which at least needs to have been accepted, and a first author of at least four accepted or published C1/P1 publications*
- 3. or a first author of one A1 publication, which at least needs to have been accepted, and inventor of at least one patent application, published by an official patent office with the exception of the publication of a priority document.*

WHAT'S IN IT FOR YOU?

Financial return



Valorization regulation at UGent

7.4 Het Persoonlijk Aandeel zal rechtstreeks aan de desbetreffende Onderzoekers uitgekeerd of toegekend worden.

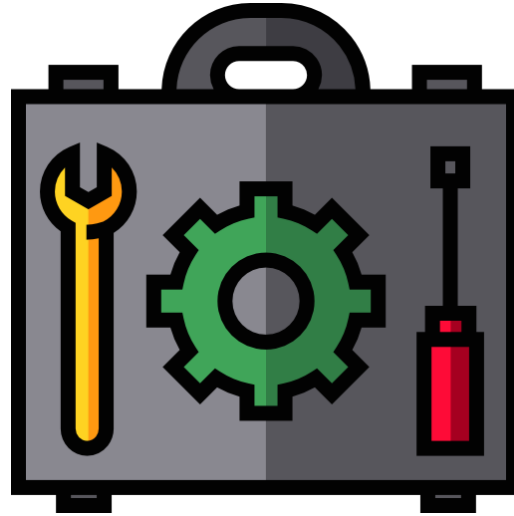
MAKE IT BIG ?!



Find resources to strengthen your idea

OUR TOOLKIT TO STRENGTHEN YOUR IDEA

Idea protection



Idea funding

Coaching

IDEA PROTECTION

Trademark

Patents

Integrated circuit layout design protection

Trade secret

Database right

Plant breeders' right

Copyright

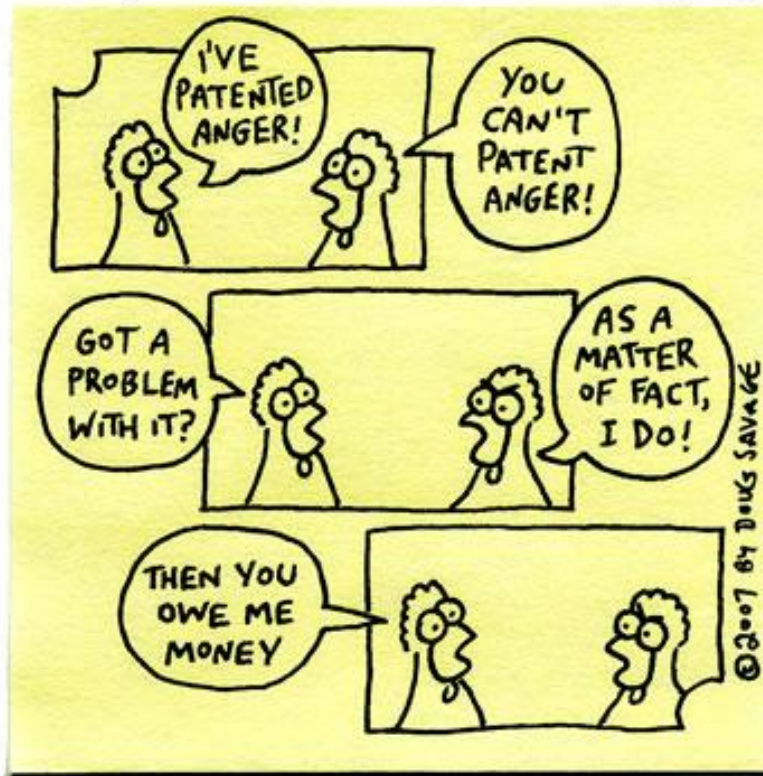


WHO HAS BEEN INVOLVED IN A PATENT APPLICATION?

PATENT?

Savage Chickens

by Doug Savage



www.savagechickens.com

WHAT IS A PATENT?

Legal definition:

A patent is a **legal title** granting its holder the right to prevent third parties from commercially exploiting an invention without authorization.

National right

A patent is a **prohibitive right**



KEY REQUIREMENTS



Outside the public domain

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Outside the public domain



Inventive, non-obvious

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Outside the public domain



Inventive, non-obvious



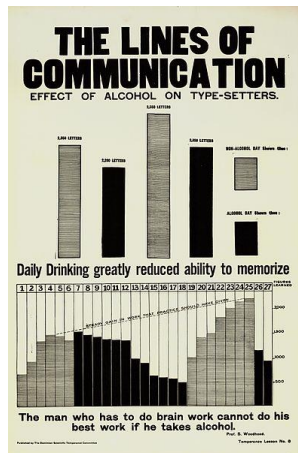
useful, relevant

PITFALLS: WHERE CAN PRIOR ART BE FOUND?

“Anything which is publicly available”



Conference



Posters, flyers



Master/PhD thesis

PATENT VS PUBLISHING




Before submitting a paper or presenting in public:

1. Discuss with your promotor
2. Discuss with me (Eva)
3. If positive: we start patent procedure
4. Patent application

Submission of paper

PATENT PROCEDURE

1.

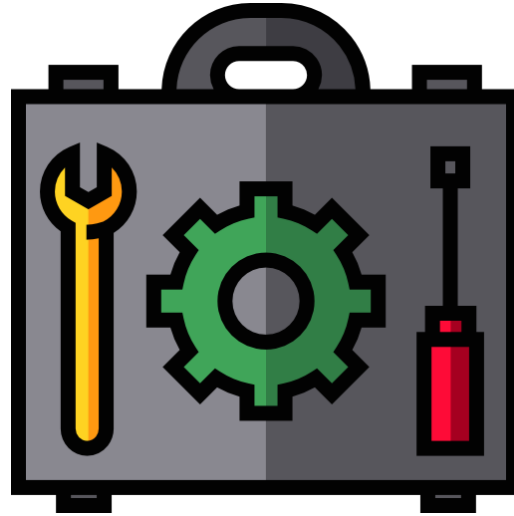
→ [Invention Disclosure Form \(IDF\)](#) 

2. 1h meeting with Tech Transfer (TT)

3. Review patent draft

OUR TOOLKIT TO STRENGTHEN YOUR IDEA

Idea protection



Idea funding

Coaching

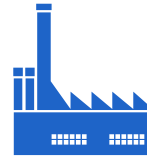
IDEA FUNDING

1. Public funding

IOF
VLAIO
EU
BOF
SIM
...

+
(industry)

2. Bilateral/(private) funding



company
(investors)

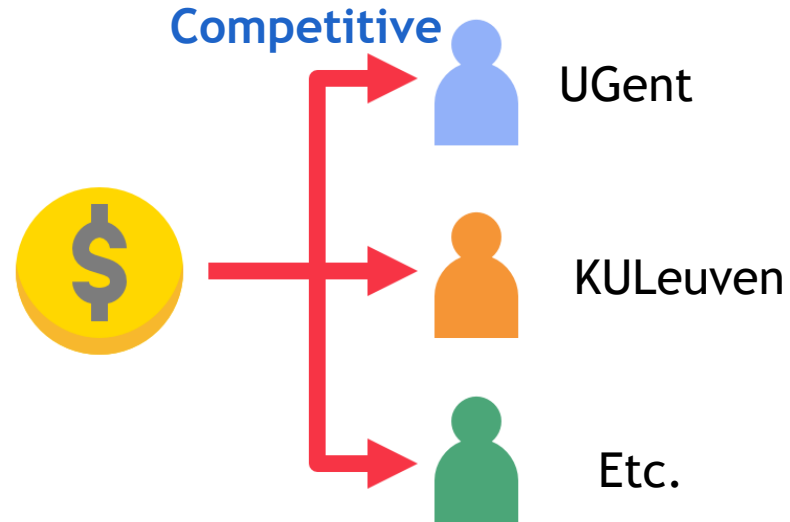
3. Competitions

imec X-pand
Google.org Impact
Advanced materials
competition
...

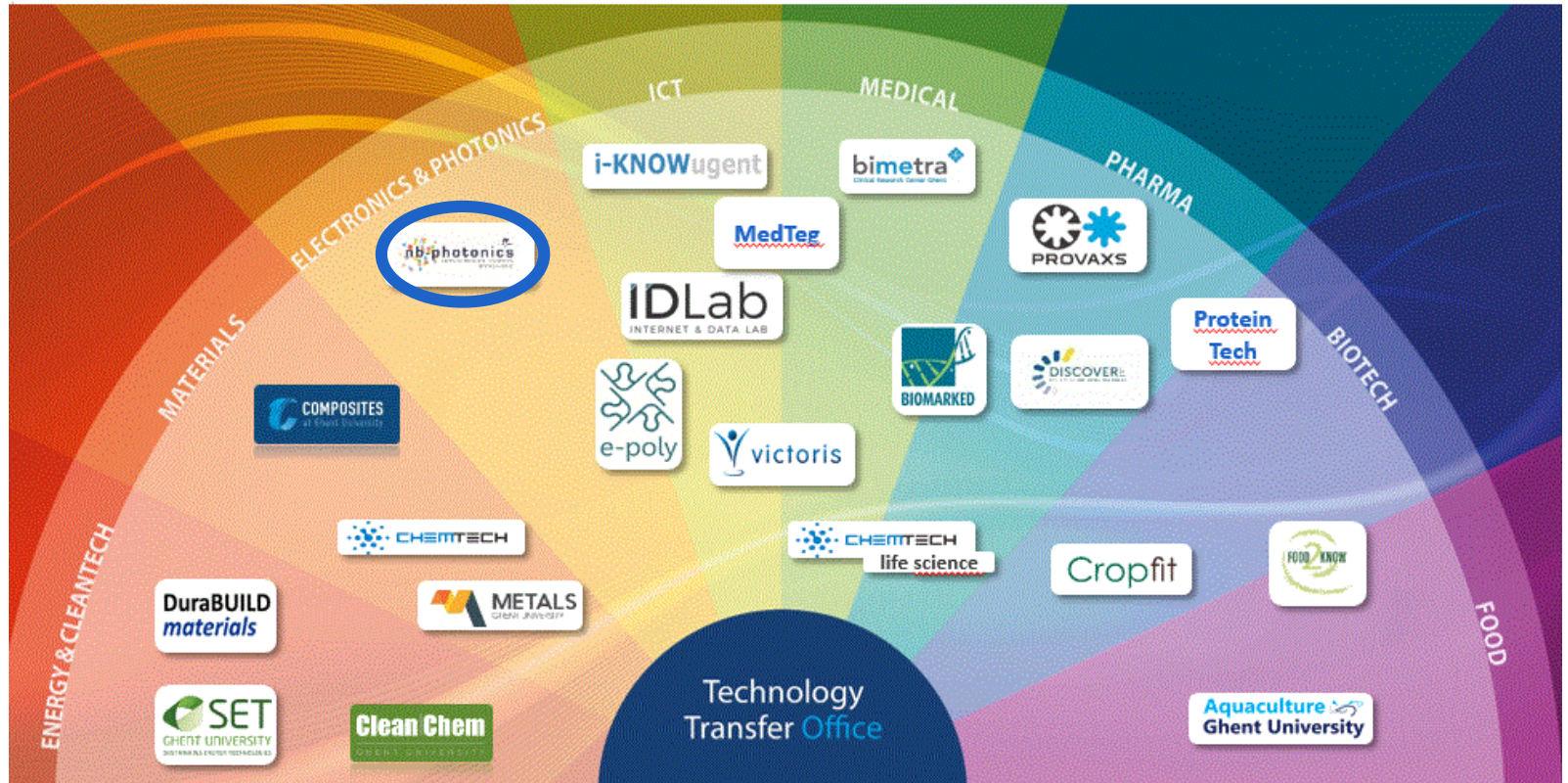
PUBLIC FUNDING: INDUSTRIAL RESEARCH FUND (IOF)



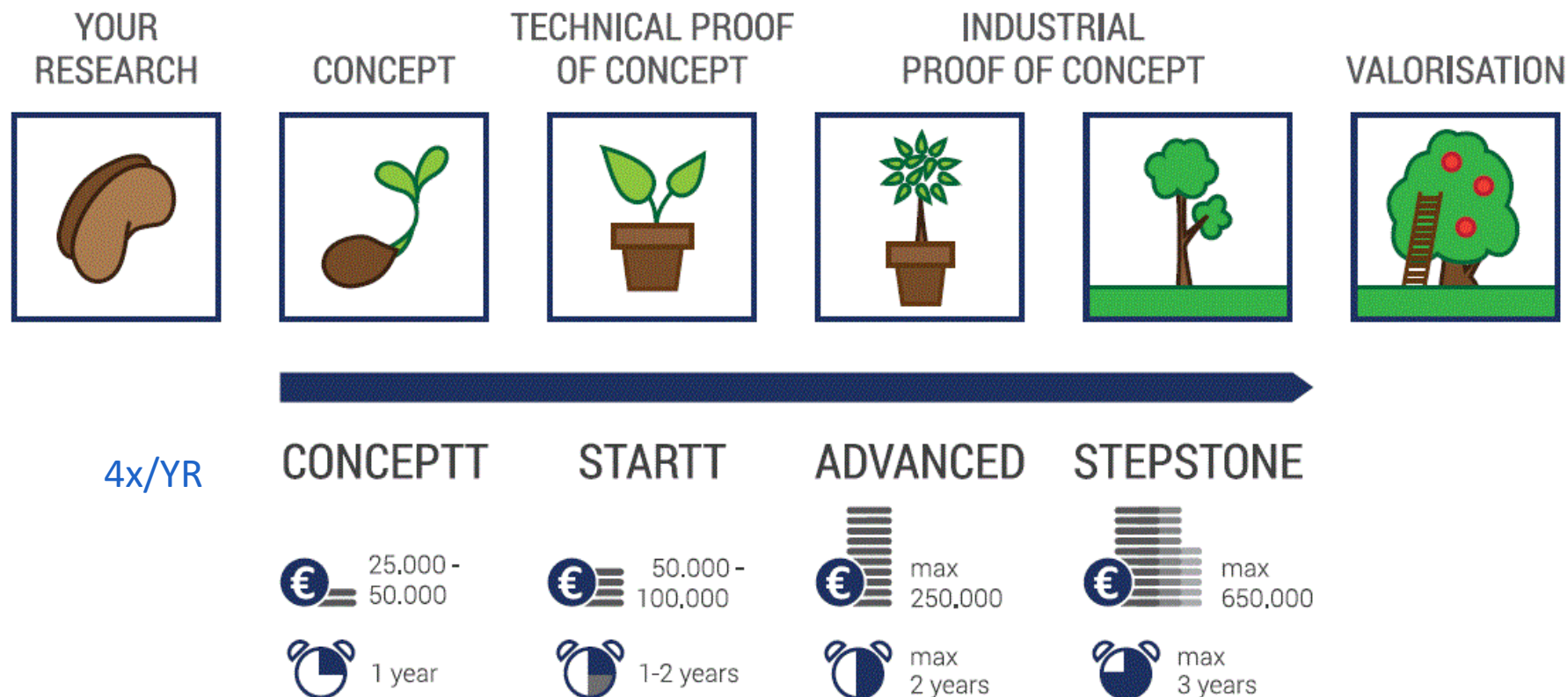
bridge the gap
academic research and the
industrial and societal challenges



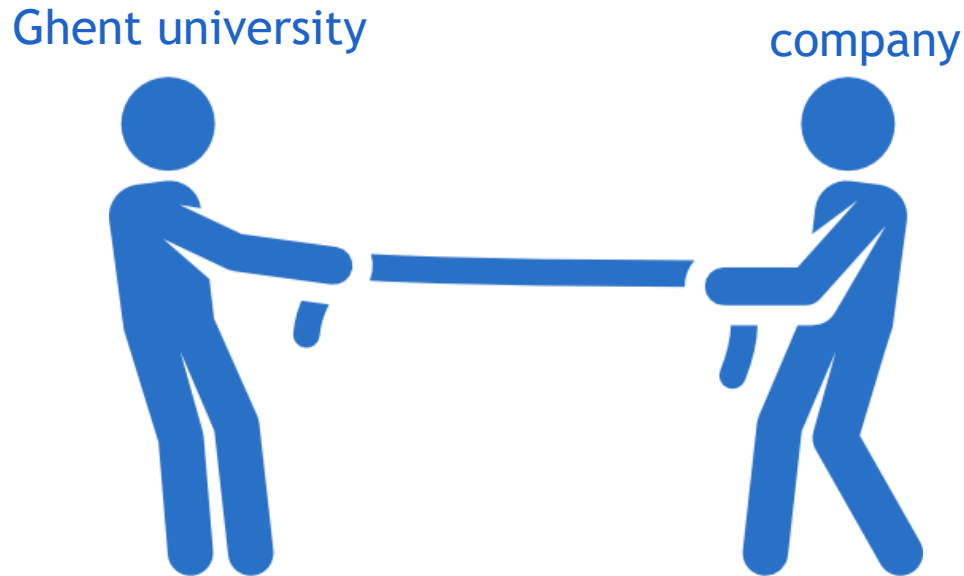
IOF BUSINESS DEVELOPMENT CENTERS



IOF FUNDING



COMPANY (CO-)FUNDING



Who owns the results?
Freedom for commercial exploitation?

FUNDING & FINALITY?

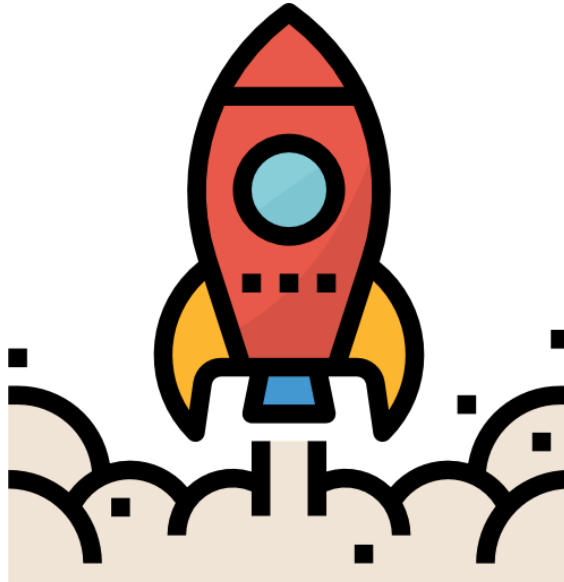
Transfer/license IP
and know-how to
an existing
organisation



Create a spin-off

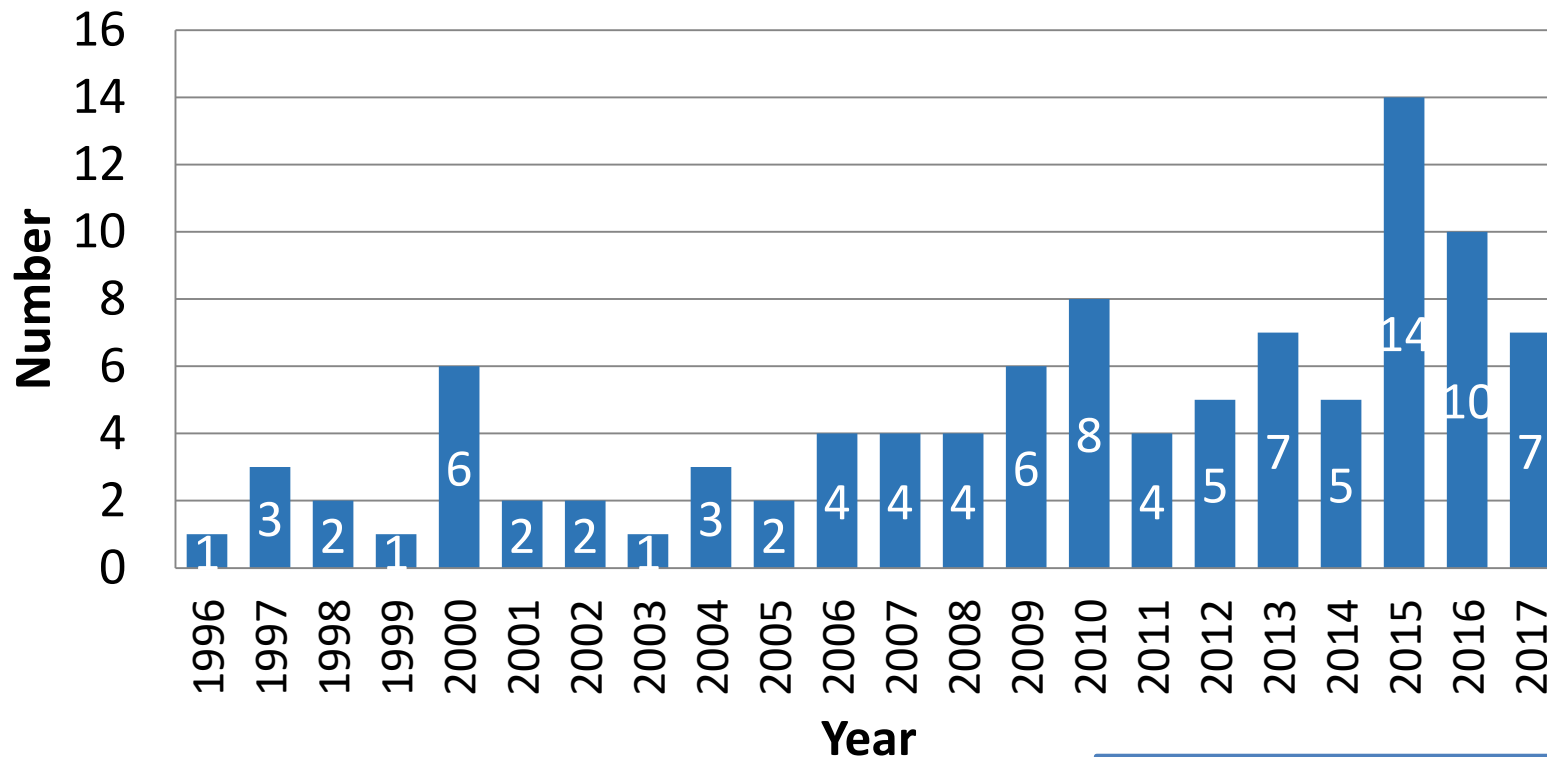
More research

SPIN-OFF

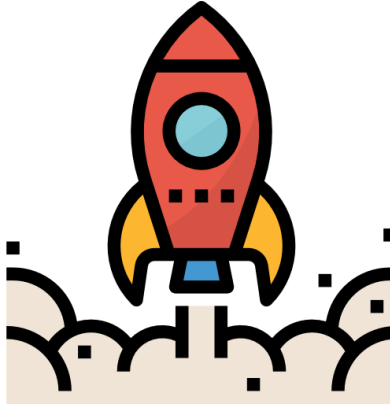


Win – Win – Win

UGENT SPIN-OFF COMPANIES



4 NB-photonics companies!

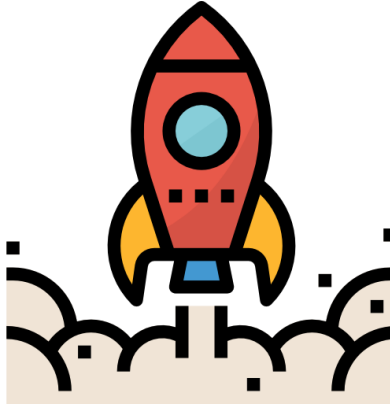


WHO IS/ WOULD LIKE TO BE INVOLVED IN A SPIN-OFF?

WANT TO BE INVOLVED IN SPIN-OFF TRAJECTORY?

Support for:

- Building team
- Attracting funding
- BD (market analysis, financial plan, IP,...)
- Prototype development



WHO IS/ WOULD LIKE TO BE INVOLVED IN A SPIN-OFF?

Not now... Maybe later?

ENTREPRENEUR COACHING



START IT
@KBC



Etc...!



startups.be

TECHNOLOGY TRANSFER COURSE

Interactive course, audience: 30-40 persons

5 days: 7/11 - 14/11 - 21/11 - 28/11 - 5/12

Program:

- Funding possibilities: VLAIO/FWO/EU/IOF
- Intellectual property rights
- Contract negotiation
- Thinking like the customer (Jeff Skinner)
- Spin-offs
- Making technology offers

SPIN-OFF COURSES

Interactive course, audience: 10-20 persons (in a spin-off trajectory)
5 half days: March-April-May

Program:

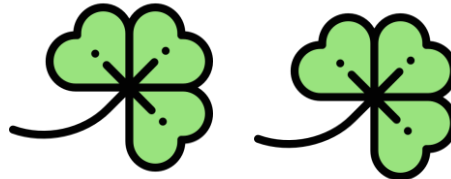
- Market segmentation
- Value proposition
- Customer acquisition
- Business model
- ...

the MIT 'Disciplined Entrepreneurship' methodology

SPIN-OFF EVENT



2 more to come!



OTHER MATTERS



BRING YOUR RESEARCH TO LIFE



Always welcome!

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