



**PHARMA
SUMMIT
2022**



**TRAILBLAZERS
&
INNOVATORS**

Dr Natalie Cole, Head of Innovation - Tallaght University Hospital



Natalie is responsible for leading the establishment of an Innovation Centre in one of the largest academic teaching hospitals in Ireland. She joined TUH in July 2021 and has already played a pivotal role in developing an extensive pipeline of innovation projects. Dr. Cole has over 20 years national & international experience in Health Research & Innovation. She initially pursued a career in academic research and was Assistant Professor of Neurogenetics at Northwestern Memorial Hospital, Chicago. On returning to Ireland she supported the development of the spin-out company Neuropath at Trinity College Dublin.

She has extensive change and project management experience and was Change and Benefits lead for the Office of the CEO of the HSE and delivered large complex healthcare projects. She has a passion for the translation of innovative projects for the benefit of patients and service users.

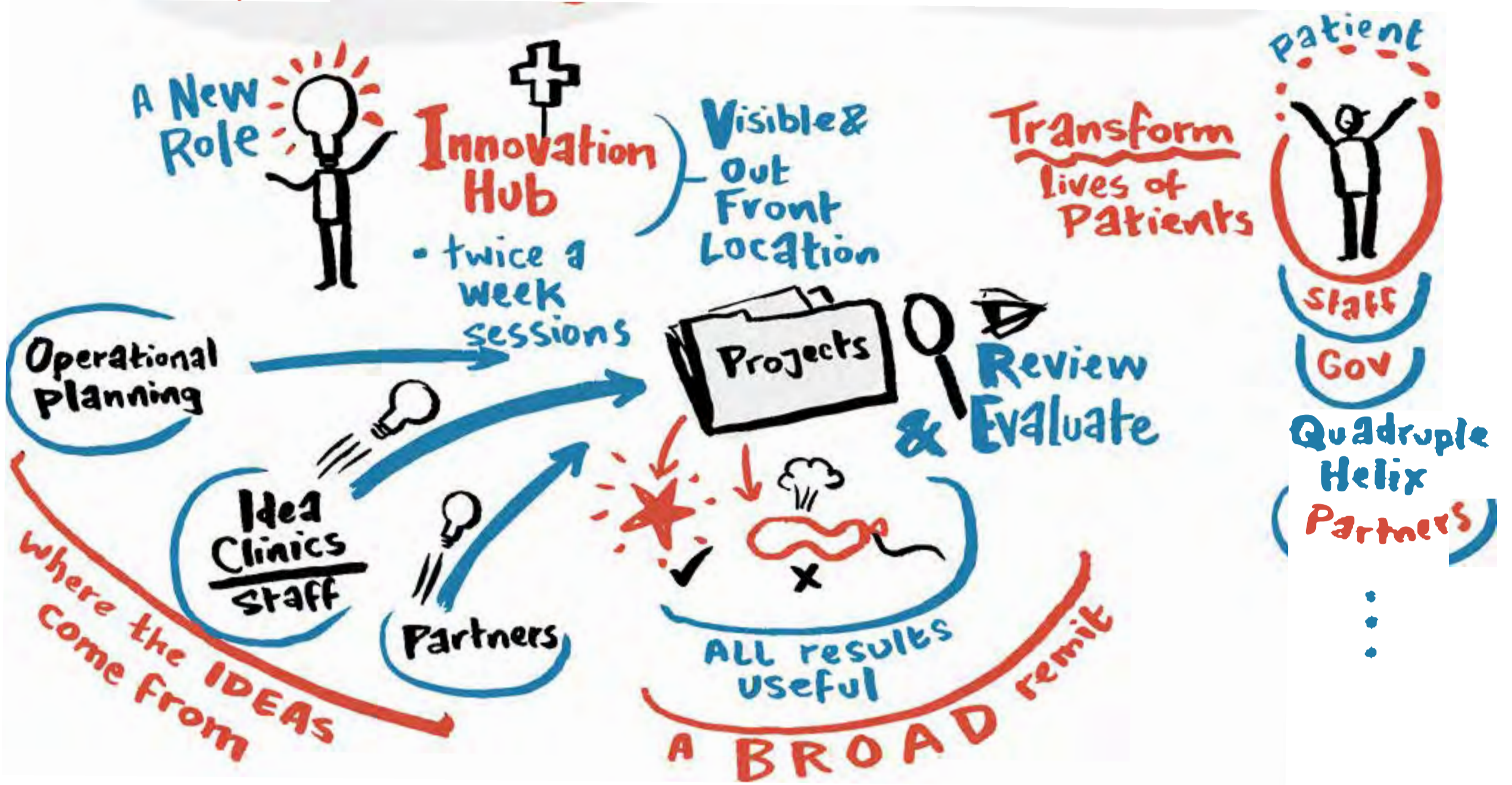
Proudly supported by:



Dr. Natalie Cole

↳ Head of Innovation,
Tallaght University
Hospital

Innovation in an Acute Hospital - the establishment of a one stop shop



PANEL Q&A

TIME (hourglass icon)
Change can be Structurally Obstructed...

Electronic Health Records } **slow...**
Enthusiasm is there } but
many new products available

COVID (covid icon)
Mindset shift } Things CAN happen Quickly...
IMPOSSIBLE (pencil icon)

challenges (zigzag line icon)
- finding the MONEY
- Collaboration maintaining the multi-disciplinary aspect

Innovation in an Acute Hospital

-establishment of a one-stop-shop

Email innovation@tuh.ie

 @InnovationTUH



Innovation Centre



**Tallaght
University
Hospital**

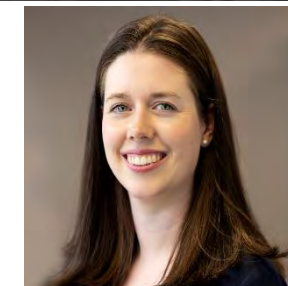
An Academic Partner of Trinity College Dublin

Ospidéal
Ollscoile
Thamhlachta



**The Meath Foundation
Fondúireacht Na Mí**

Healthcare Research, Education, Quality Improvement
& Arts in Health at Tallaght University Hospital



Innovation Hub at TUH



Mission

TUH Innovation mission is to become a recognised leader in accelerating innovation that transforms the health and wellbeing of our patients.

Objective 1:

Enrich and deliver an effective innovation pipeline that is prioritised to meet the needs of the patients and service users of Tallaght University Hospital

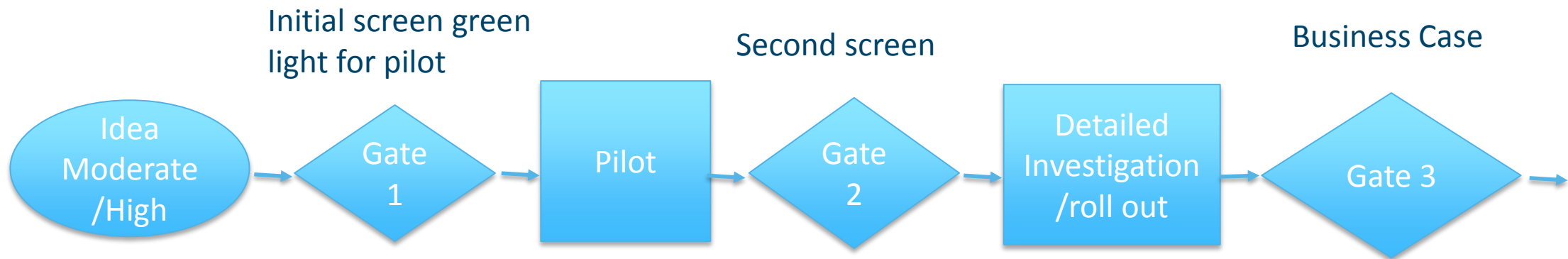


Objective 2

Continue to evolve our internal operating model and invest to enhance our infrastructure and capacity

Stage gating Process

- Each Stage focuses on a specific dimension of the project. Earlier stages tend to require general information about the project (e.g., uncover opportunities and generate new ideas, whereas more advanced stages require more detailed information to make an evaluation)
- The Stage process is incremental in terms of commitment and effort. Each stage usually costs more than the preceding as more financial resources and human capital might be required for the project to move from one stage to another.

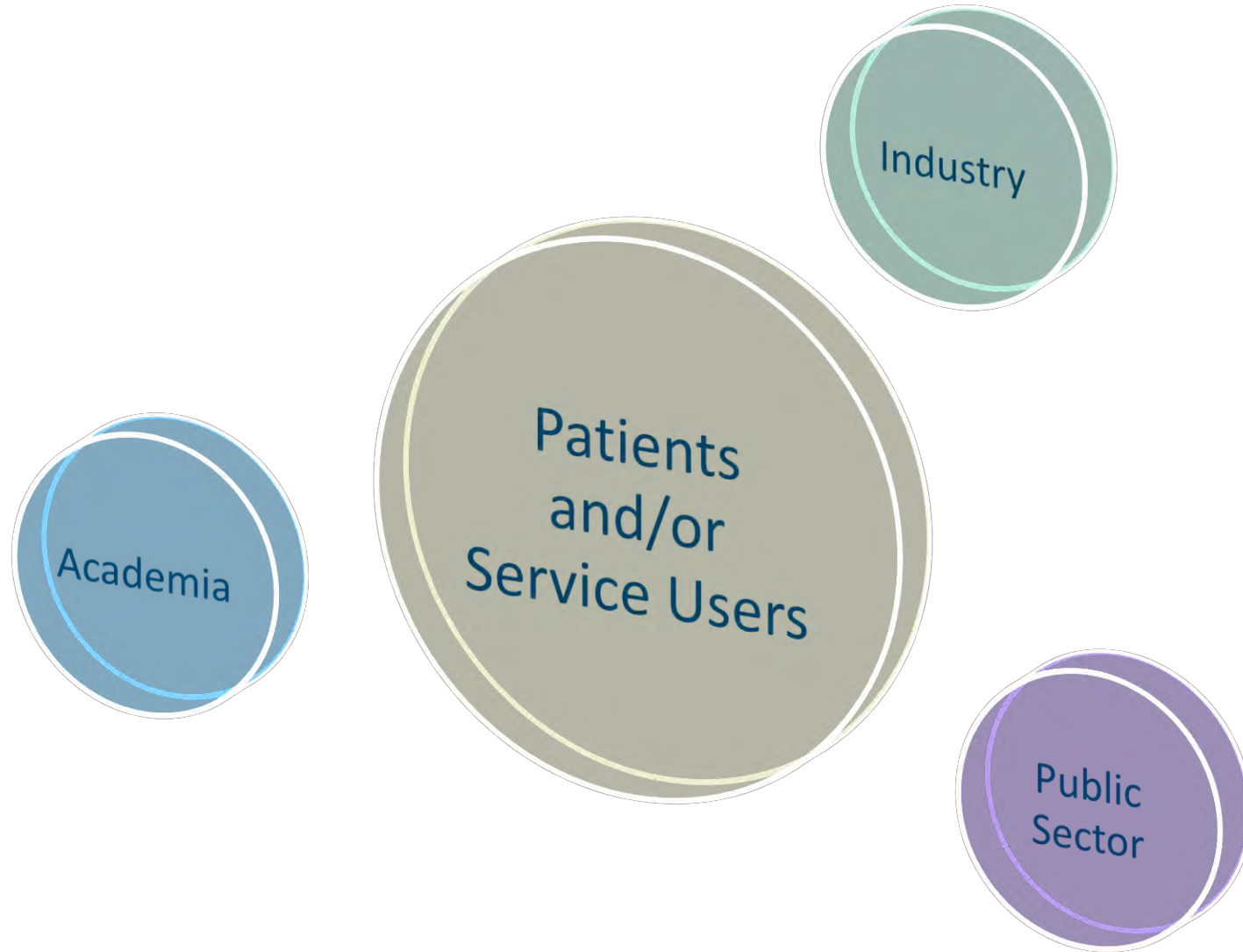


→ Multiple stage gates depending on scale of project, testing and validation until Implementation Stage and then post-implementation review

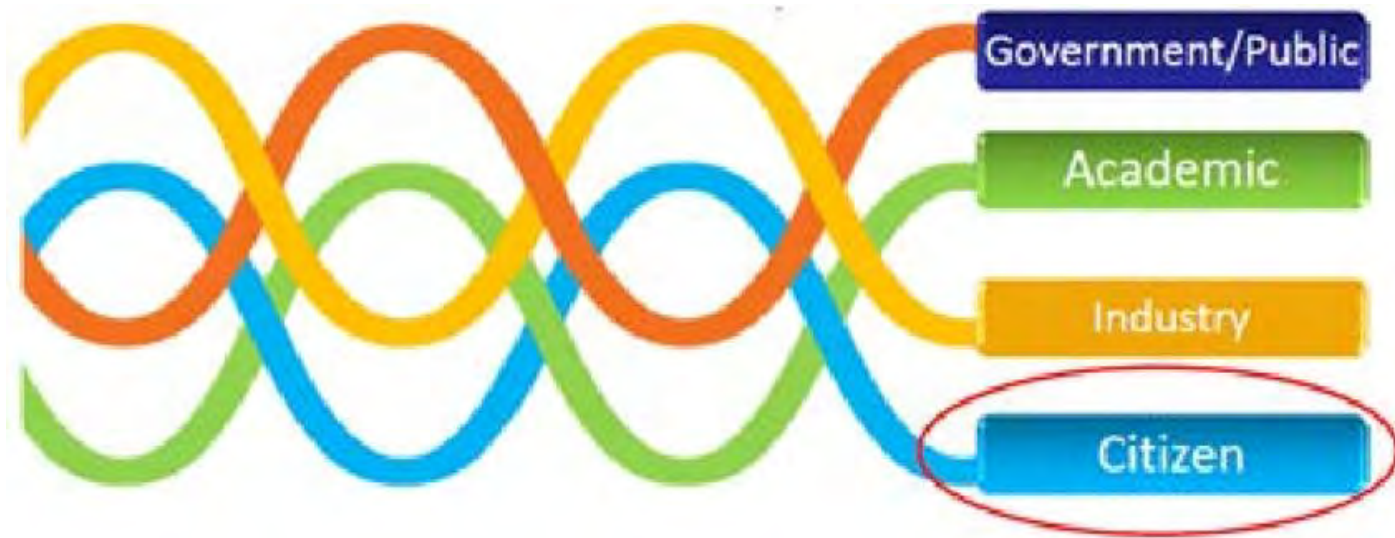
Objective 3

- Consolidate the relationship between TUI and partners and evolve our method to deliver maximum benefits

Challenges

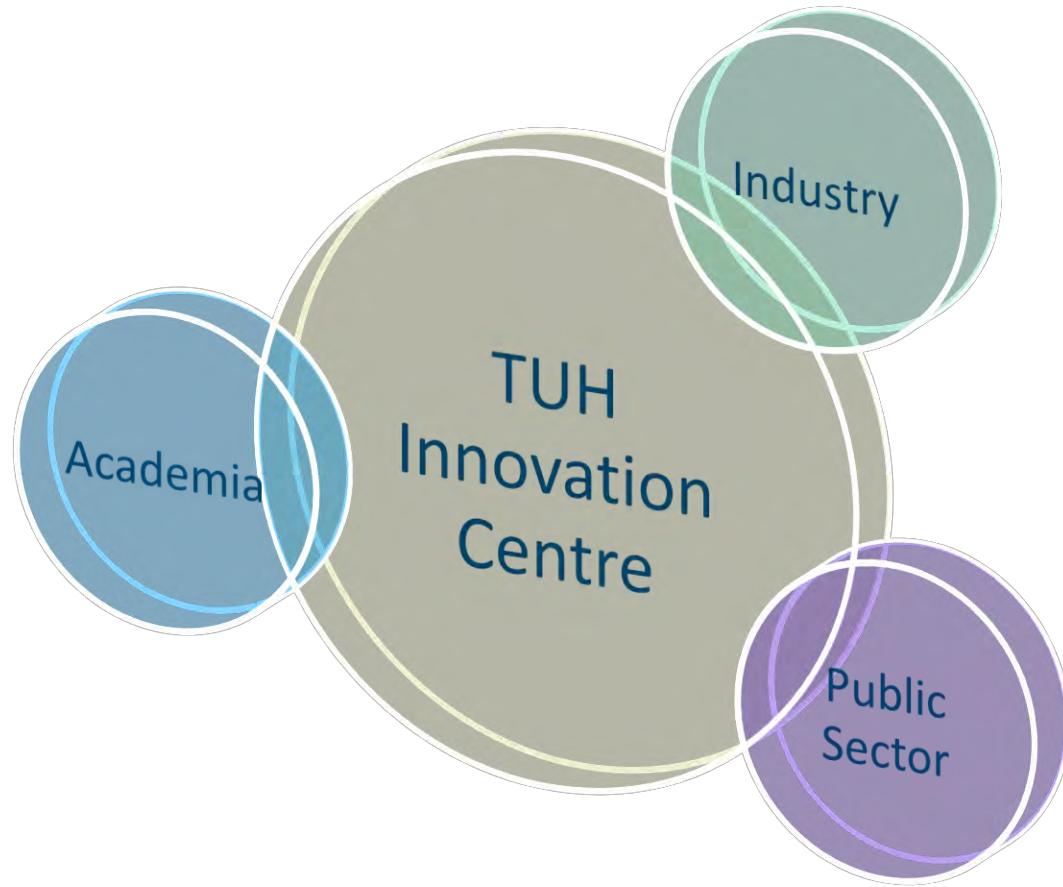


Quadruple Helix Innovation Model



Henry Etzkowitz and Loet Leydesdorff 2012 / [HSE Digital Transformation

Solution



Innovation Projects



SyncroPhi

ENTERPRISE IRELAND
where innovation means business

Hi Health **Innovation Hub** Ireland

Spark
Innovation Programme

 **Tallaght University Hospital**



 **Trinity College Dublin**
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

 **Our Public Service**

Innovation Centre

DGL
digital gait labs

SBRI
HEALTHCARE

 **salaso**

 **HSE Digital Transformation**

 **PMD SOLUTIONS**

T DUBLIN
TECHNOLOGICAL UNIVERSITY DUBLIN

Innovation Projects

- Process Innovation
- Test bed- test innovations with pathway redesign in real world settings
- Rapid Uptake Products Programme
- Early stage product co-design

Offering

- Idea development
- Support the translation of innovation projects to real world setting
- Signposting and Matchmaking
- Management of a Pipeline of Projects
 - ❖ governance, stage gating and evaluation



One stop
shop!