

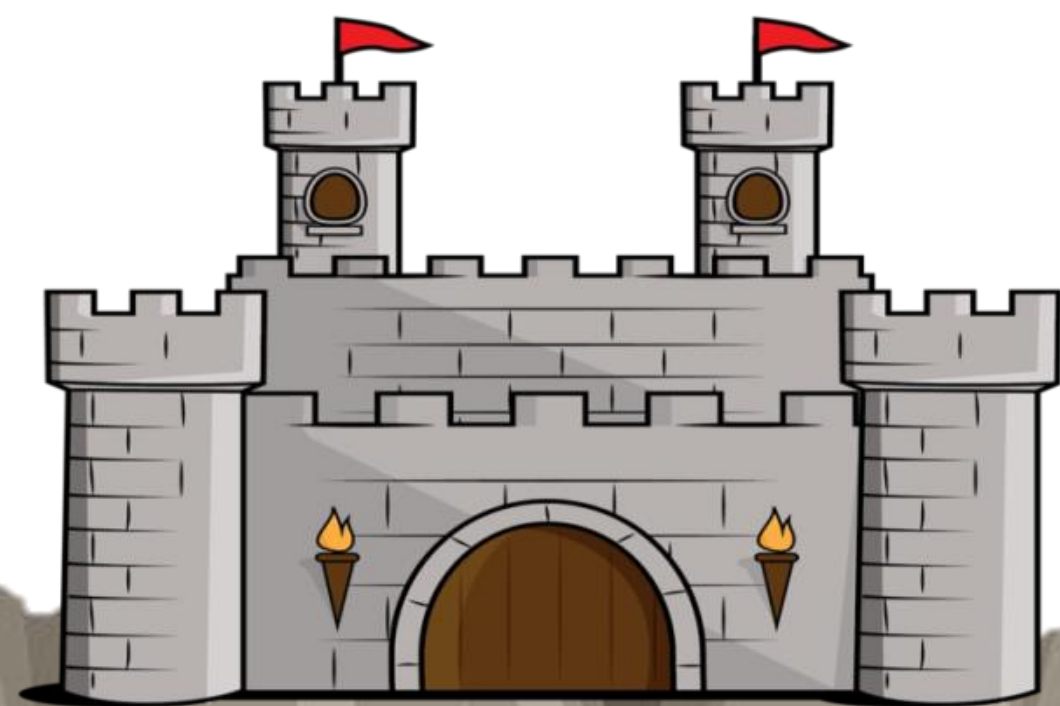
Reshaping healthcare: a transformative innovation model

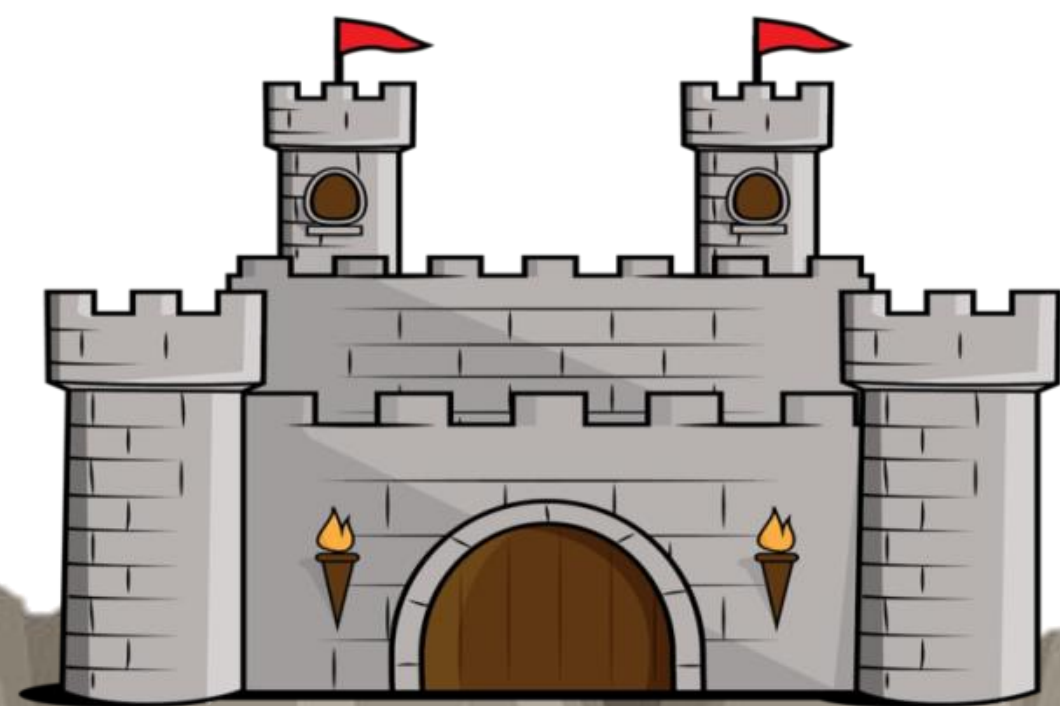
Daniel Moreno, PhD, FHEA
Head of the Innovation Unit
Hospital Germans Trias i Pujol | Institut Català de la Salut



INNOVATION
DIGITAL TRANSFORMATION
HEALTH ECONOMICS
TALENT PROMOTION

**Why is it important to
innovate?**

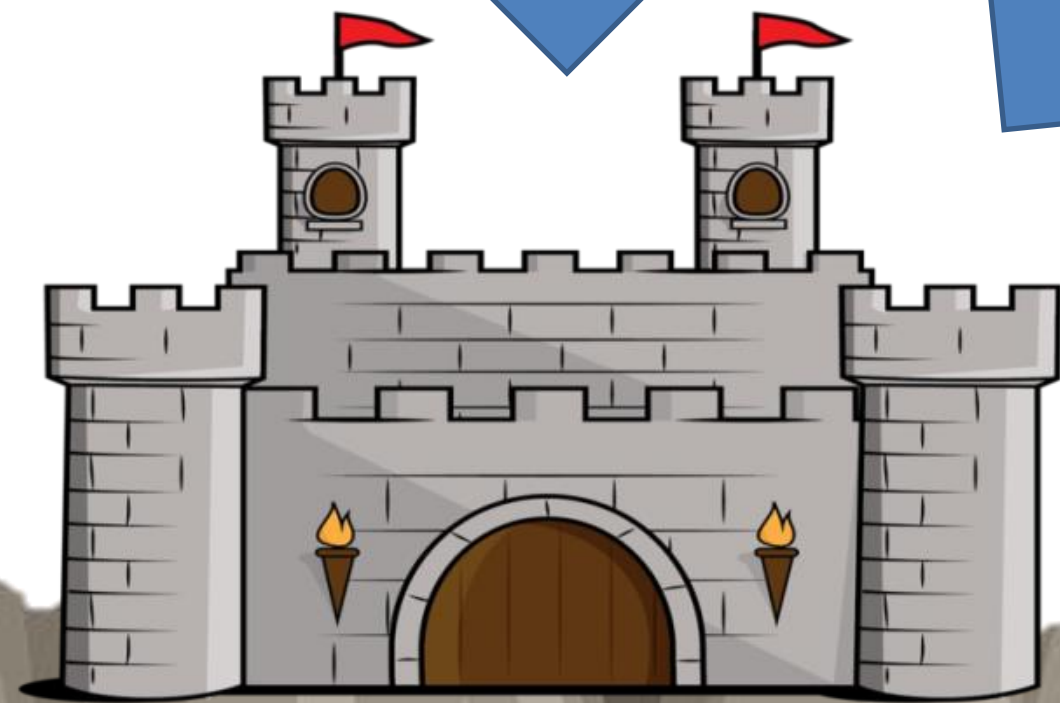


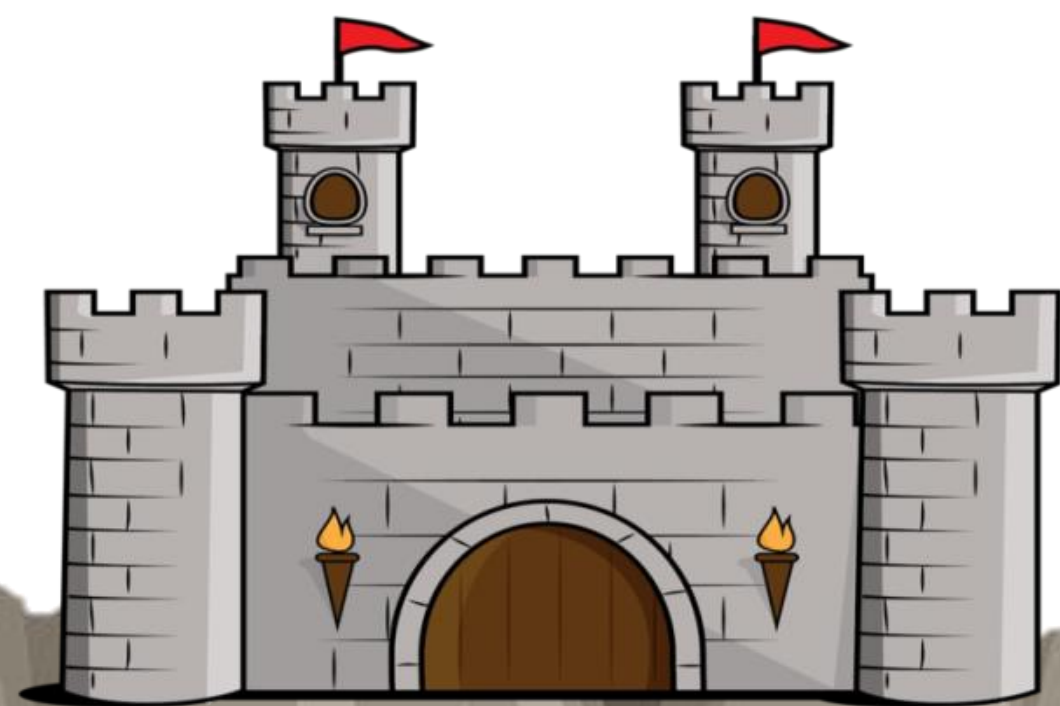


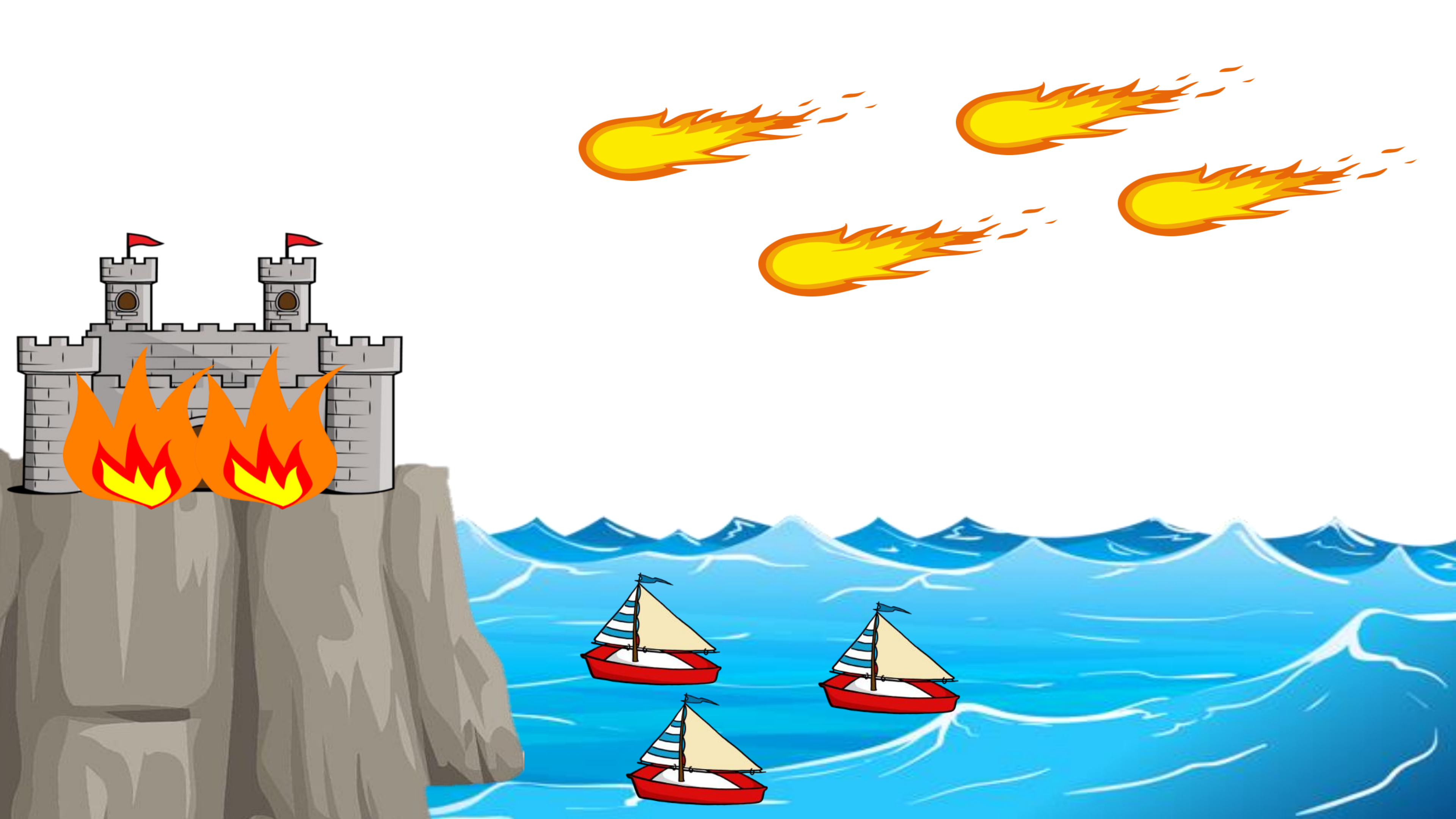
Research Centres

Hospitals


Companies











Why an innovation programme in a Catalan hospital?

REDEFINE THE MODEL

- Contribute to the Barcelona ecosystem: going from being a technology user, to co-developing solutions
- Actively participate in the transformation that healthcare systems are undergoing

ADVANCE TO FUTURE

- Being one of the first hospitals embracing a new culture would bring value in the long run
- Become adaptable and prepared against potential disruptors

HARVEST IN HOUSE KNOWLEDGE

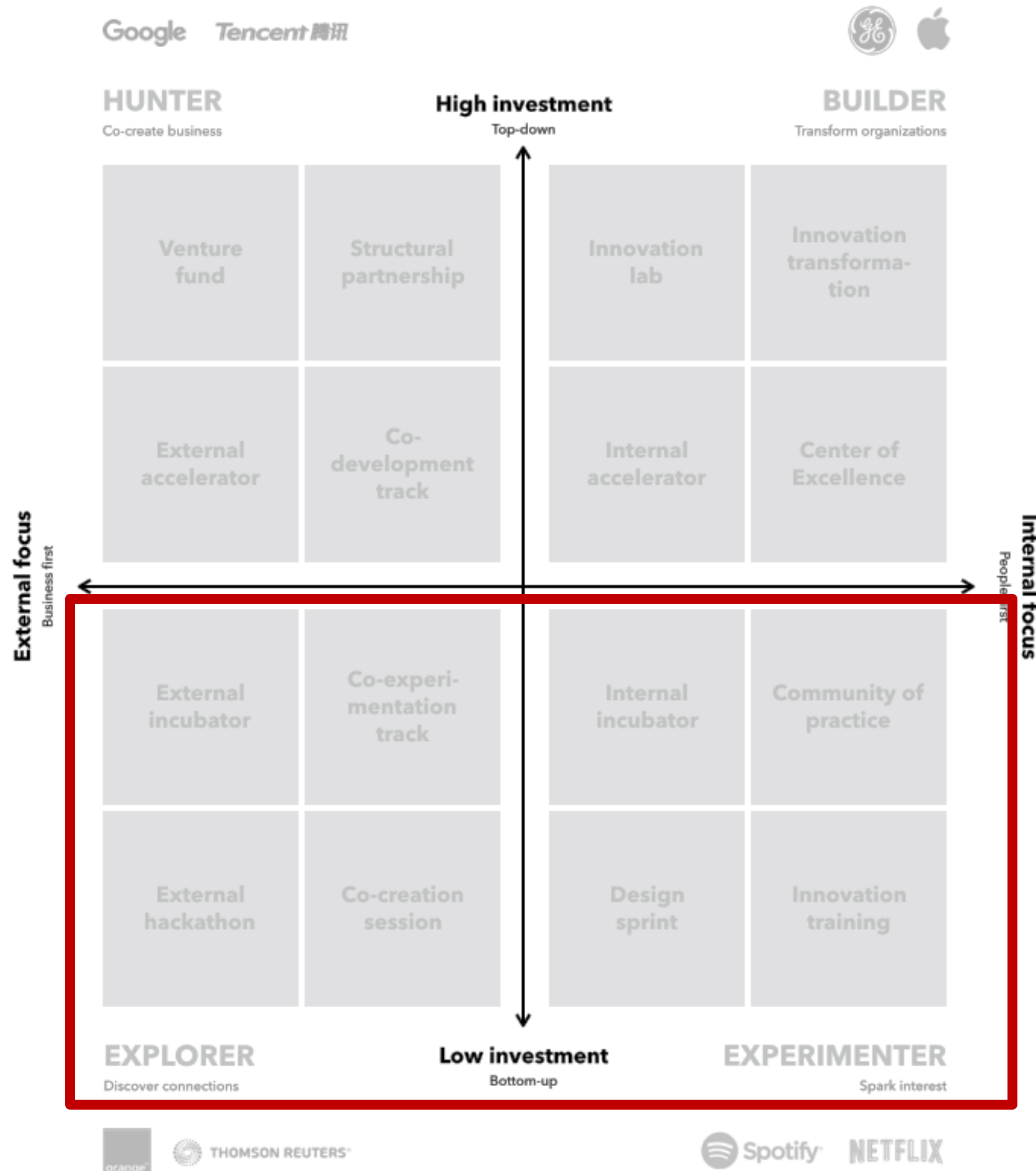
- Healthcare systems and hospitals bring together loads of intelligent and high educated minds
- Offer professionals an opportunity to develop their ideas and grow, not just by treating patients, but by contributing to medicine



The Vision

Better healthcare for all; patients and staff

Contributing to the resilience and capabilities of the Catalan scientific and healthcare system, by pioneering a transformative healthcare innovation programme



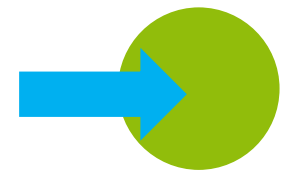
- 4 types of organisations when it comes to innovation
- Given we can't adequately fund innovation nor its promotion
- But we can do it internally and externally
- We have adopted an experimental and explorer approach whereby we:
 - Engage with external incubators and accelerators
 - Organise hackathons
 - Run co-creation sessions
 - Organise an internal acceleration programme
 - Offer training opportunities
 - Generate a community of innovators and ambassadors

Creating and implementing an innovation strategy

Transforming Can Ruti's innovation culture

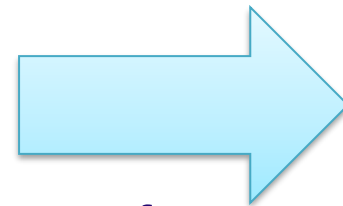
- Strategically aligned with senior management
- Creation of an Innovation Direction
- Deployment of the Innovation Programme as a strategic tool

1. Training and education
2. Co-creation and development
3. Brand positioning
4. Intrapreneurship
5. Permeabilisation



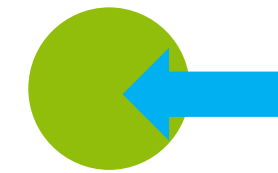
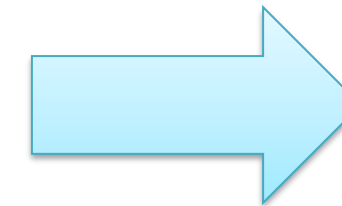
PLAN

- Define the team, areas of responsibility and activities
- Planning of the different activities



IMPLEMENT

- Implement the activities focused on promoting innovation
- Review and evaluate the impact of such activities



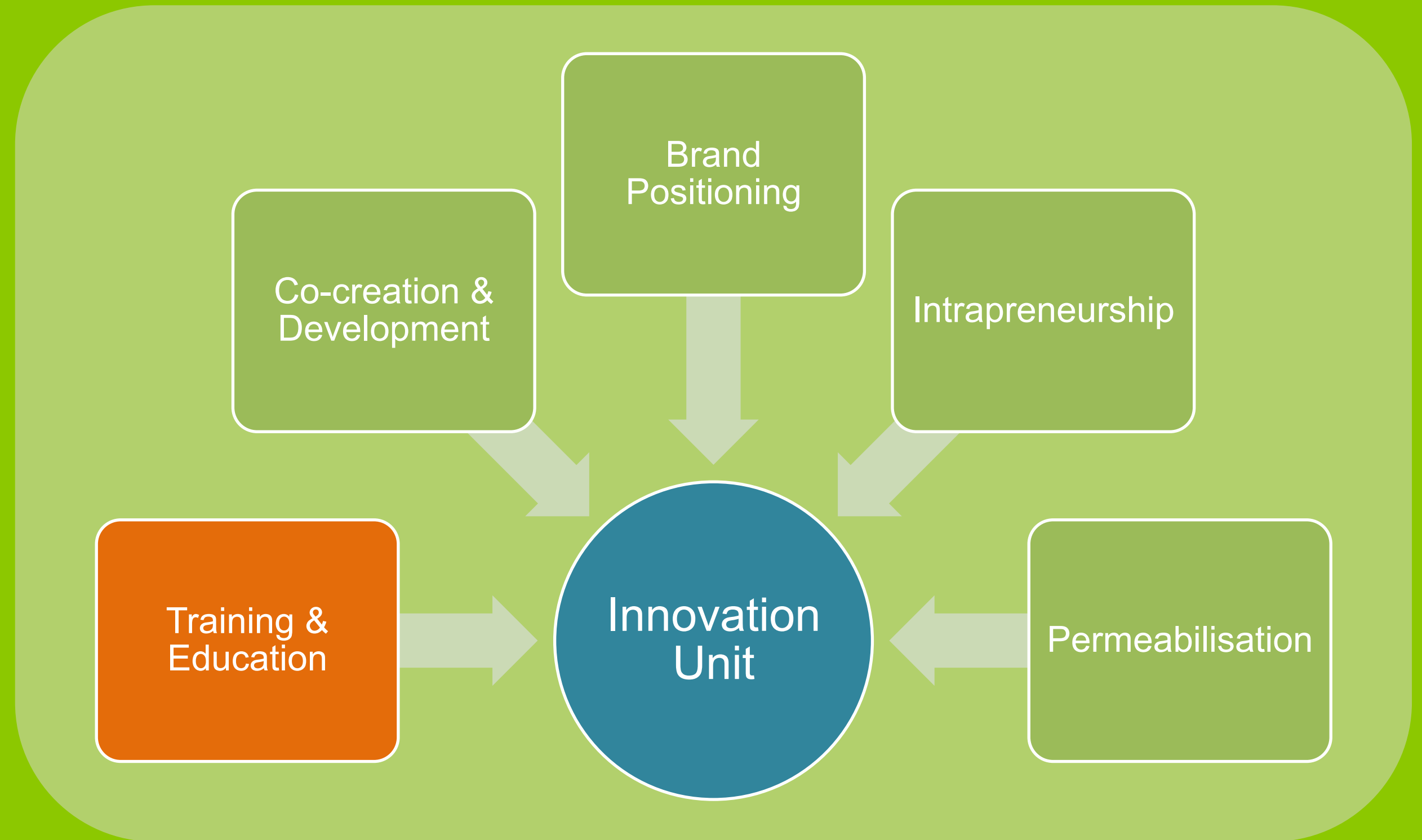
CONSOLIDATE

- Redefine the deployed activities
- Consolidate the innovation programme and its activities

*Strategic territorial management plan: 2016 – 2020

<http://www.hospitalgermanstrias.cat/documents/11562/0/plaestrategicMN1620.pdf/af49df93-92c6-4c71-b67a-5155ac291d5a>

1



Training & Education

Healthcare Transformation Academy





Healthcare Transformation Academy: Catalysing continued healthcare education

What you get



Curriculum



Key details



Who should register



Meet the team



The ongoing transformation in healthcare demands organisations to be equipped with professionals mastering new competencies and skills. The Healthcare Transformation Academy (HTA) is an initiative driven by hospitals of the European University Hospital Alliance (EUHA) to meet this challenge by providing a high quality, affordable and relevant on-demand education to healthcare professionals across Europe.

In 2021, the Academy will offer online programmes for both healthcare professionals and their organisations targeting knowledge and competencies' gaps in innovation management and high value care.

Registration for the Healthcare Transformation Academy are now closed.

What you get



NEW SKILLS

Become an active transformer and foster innovation in your organisation through hands-on learning



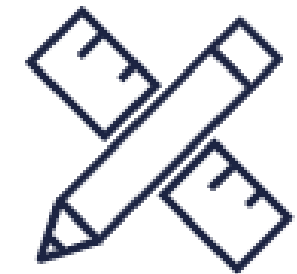
EXPERT KNOWLEDGE

Benefit from a vast body of experts and trainers across Europe



NETWORKING

Join a European community of healthcare professionals and access the EIT Health Alumni Network



TAILORED CONTENT

Customise the programme content and learning plans to benefit your needs

Innovation in teaching and learning projects



Digitalization in
learning practice
placement



Erasmus+



Digitalization in
learning practice
placement



Kubify



- Undergraduate students engage with a large number of stakeholders during their internships in the hospitals, thus overcomplicating the learning process and impairing the student's ability to understand and navigate the system
- The 4D project aims at developing a digital learning toolbox that will allow to connect the students with all the stakeholders throughout the different moments of their internships



Erasmus+



European Partnership

4D is a partnership of six european
Higher Education Institutions in the
framework of Erasmus+ Program

<https://4d.tecnocampus.cat/>

Salut/

Germans Trias i Pujol
Hospital

The screenshot shows a web application interface for a '4D Kickoff Meeting'. The top navigation bar includes icons for home, chat, star, refresh, and a menu. The main content area is a grid of tiles: 'Digitalization in learning practice placement' (with logo), 'Agenda' (calendar icon), 'Team' (group of people icon), 'Work Plan' (Gantt chart icon), 'Meetings' (group of people icon), 'Documents' (document icon with a count of 3), 'Challenge KoM' (speech bubble icon), 'Teams' (Microsoft Teams icon), and 'Miroboard' (Miro logo). Below the grid is a section titled 'The project' with a background image of hands holding a large '4D' outline. The text describes the project timeline from November 2021 to November 2024, its structure in five work packages, and the collaborative nature of the work. A green button labeled 'MORE INFORMATION' with a document icon is at the bottom right.

4D Kickoff Meeting

Digitalization in learning practice placement

Agenda

Team

Work Plan

Meetings

Documents

Challenge KoM

Teams

Miroboard

The project

The project takes place from November 2021 to November 2024. It is structured in five work packages led by different project partners. Collaborative work between the different partners is a key aspect of the project.

[MORE INFORMATION](#)



- The curriculum of Medical and nursing Degrees is not updated and does not address the current reality nor prepares healthcare professionals for introducing innovation in their daily practice
- Develop a new framework for the internship curricula in Medical and Nursing degrees



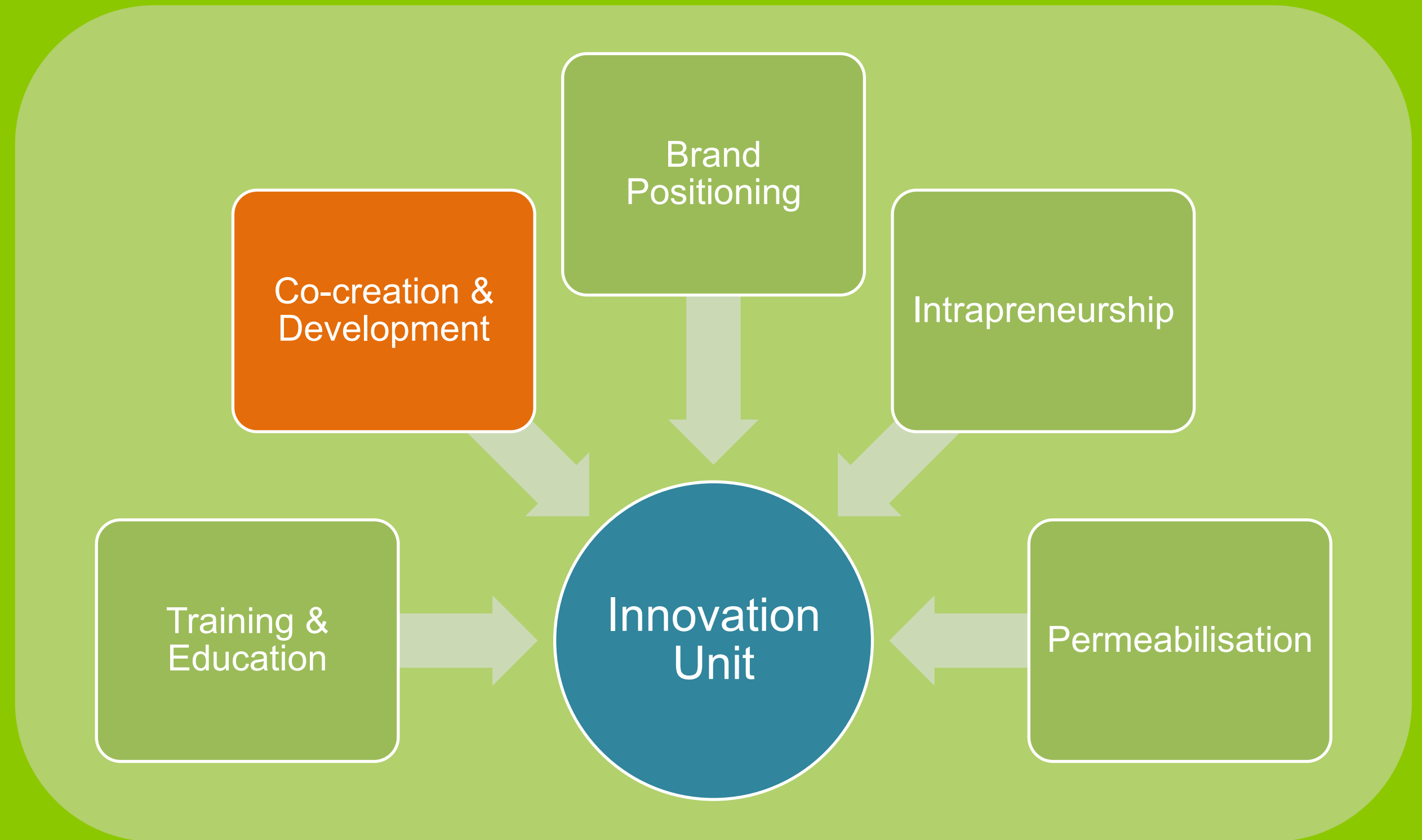
Lene Just, Special consultant and professional development coordinator
Daniella Sohn Petersen, Education consultant
Caroline Kjærgaard Hansen, IT-specialist



Rie Troelsen, Head of SDU Centre for Teaching and Learning
Ulla Glenert Friis, Associate professor

We will visit Odense University Hospital for a partner meeting at end of May!

2



Co-creation & development

Building collaborations

between the hospital, other institutions, large companies and start-ups

1 TECH SCOUTING

Scout the technology horizon in Barcelona and elsewhere in Europe in order to identify interesting technologies to already identified unmet clinical needs

2 PROJECT GENERATION

Drive group dynamics, in collaboration with other organisations and technology clusters, in order to identify unmet clinical needs and develop joint solutions

Telemedicine



Pioneering teleaudiometry system
in Catalonia to decentralise the
audiometry procedure

| onalabs)



Custom made biometric monitoring
device for remote management of
COVID-19, COPD and other
patients

Virtual and Augmented Reality

Nixi for
children



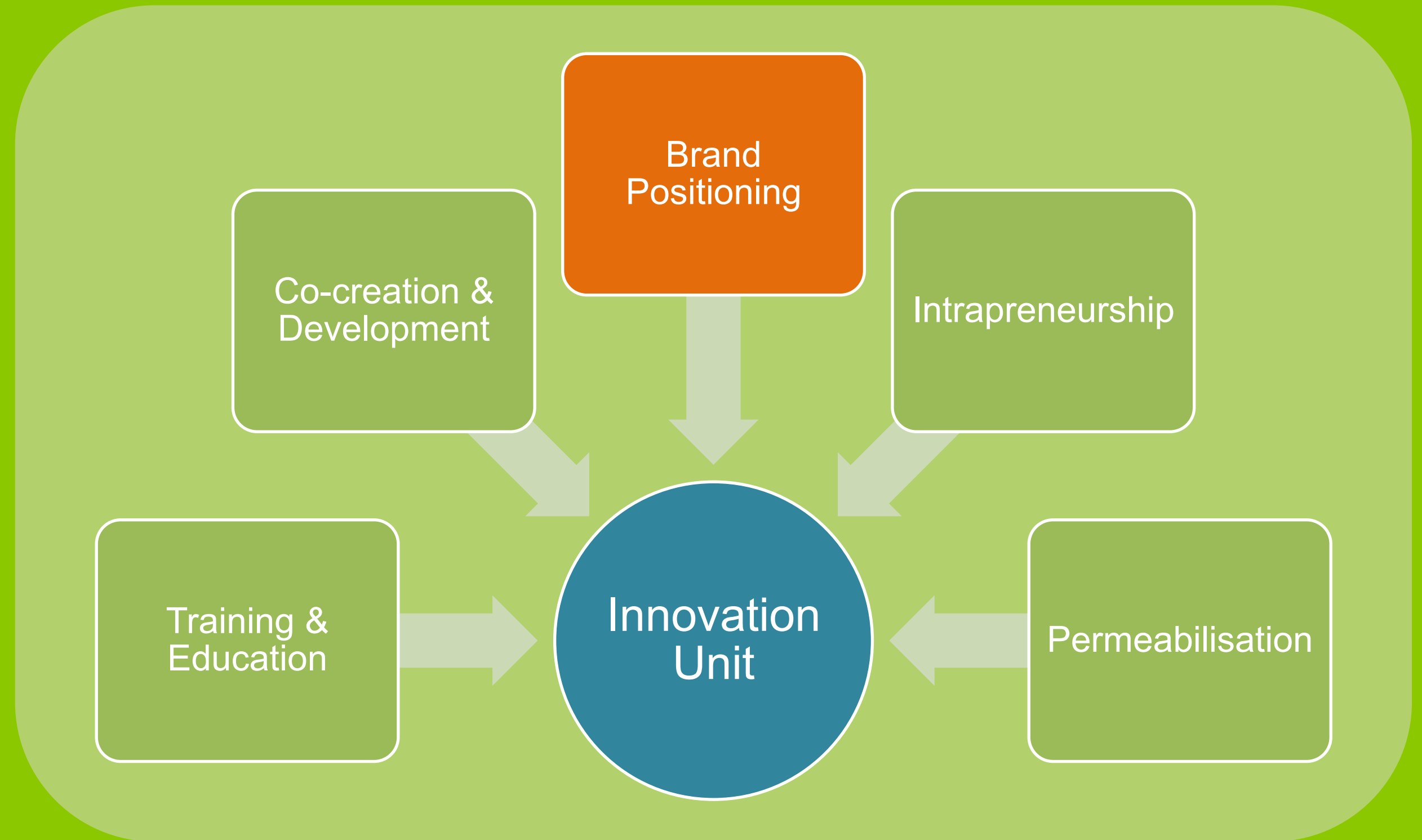
Reduction of pre-surgical
anxiety in pediatric patients by
using an VR and AR solution

apo@lar



Surgery students training
using Microsoft HoloLens

3



Brand positioning

4YFN | Connecting
Startups



Salut/  **Germans Trias i Pujol**
Hospital



50+ events

Working groups

Think-tanks

National/International

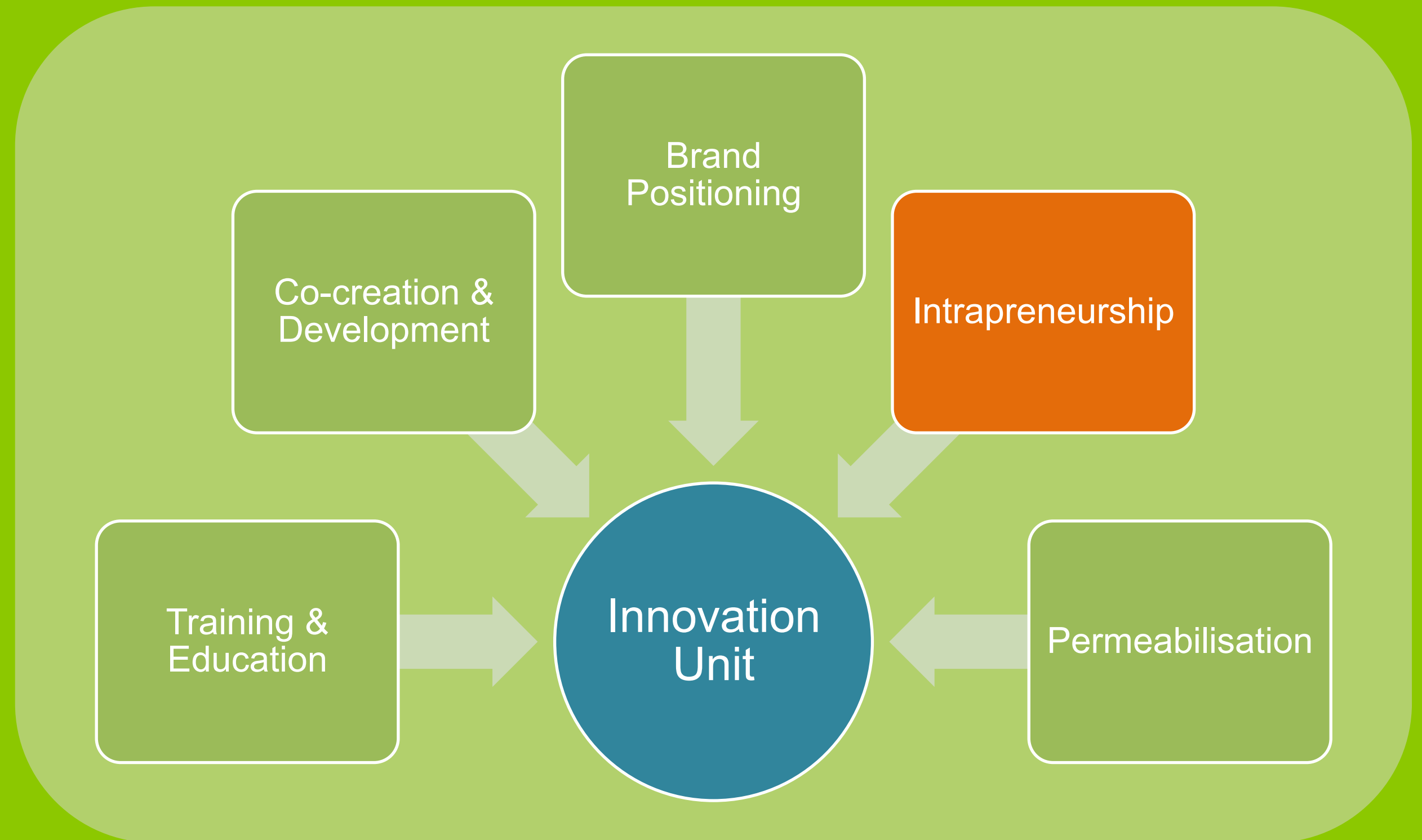
White paper writing

Research Group on Innovation, Health Economics, & Digital Transformation

1. Research on improvement of healthcare systems and processes
2. New methodologies for entrepreneurship and health innovation management
3. Digital transformation in healthcare systems
4. Health technology assessment
 - Create a school of thought
 - Establish our own replicable methodology
 - Become thought leaders in the field

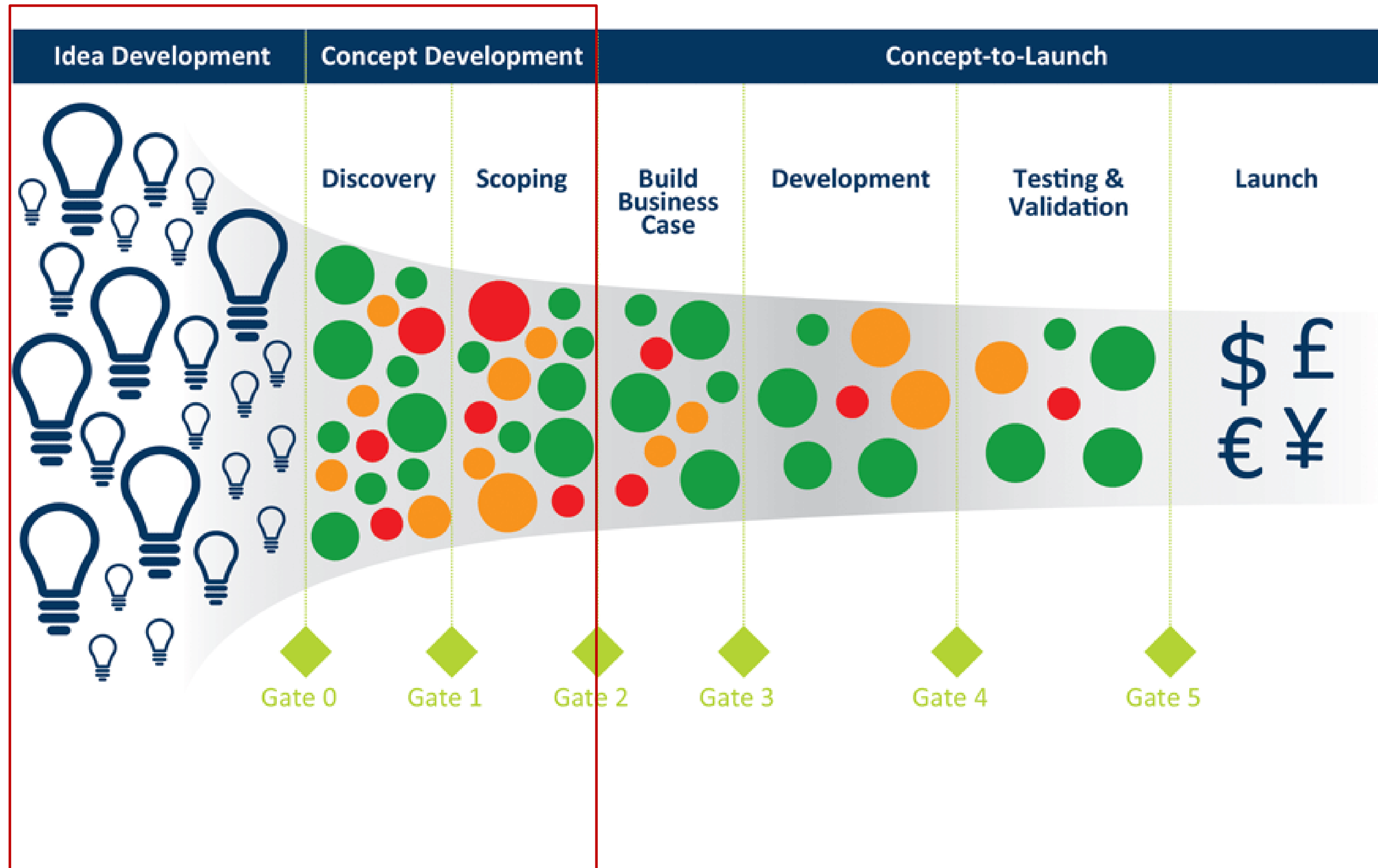


4



Intrapreneurship







HEALTHCARE- ENTREPRENEUR EXCHANGE PROGRAMME

Apply by 31st October

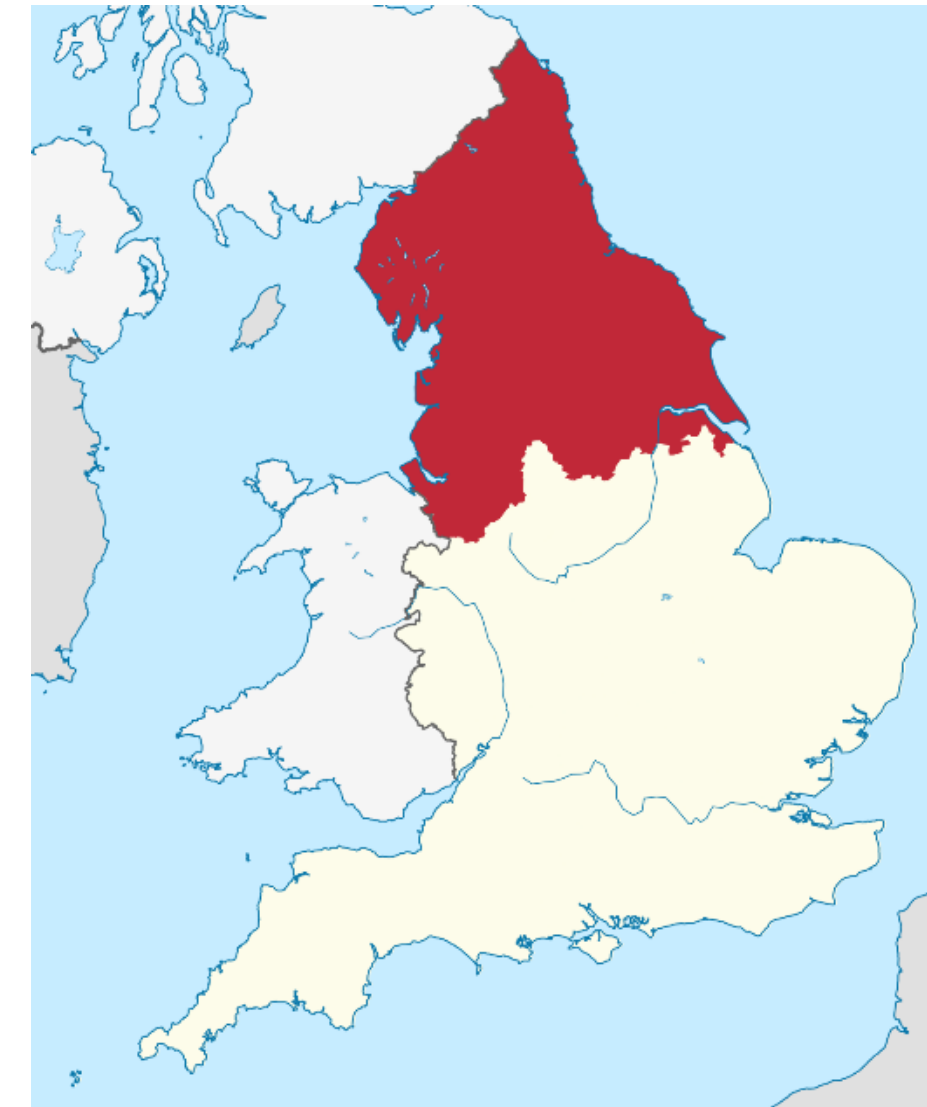


The Leeds
Teaching Hospitals
NHS Trust

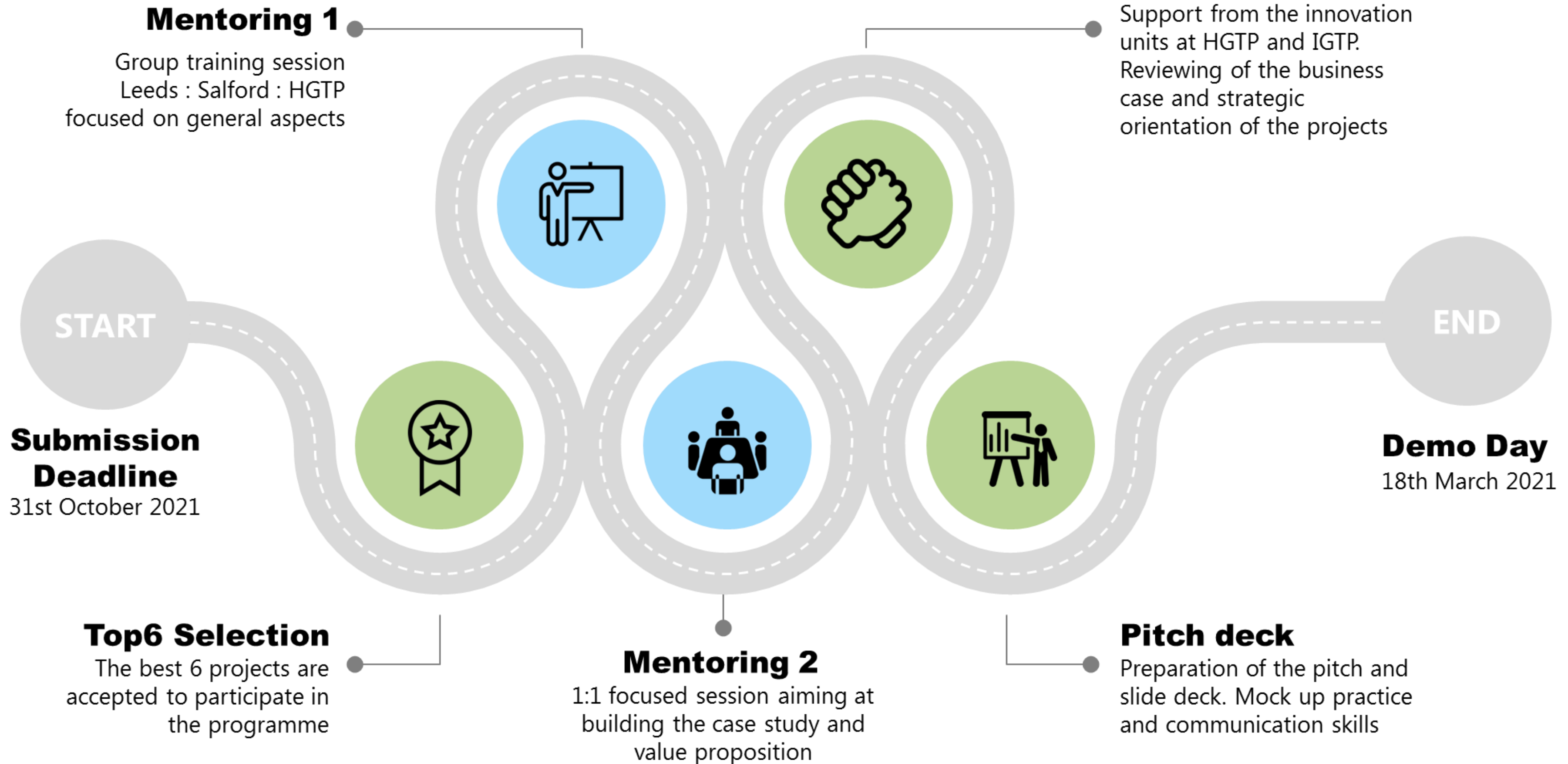


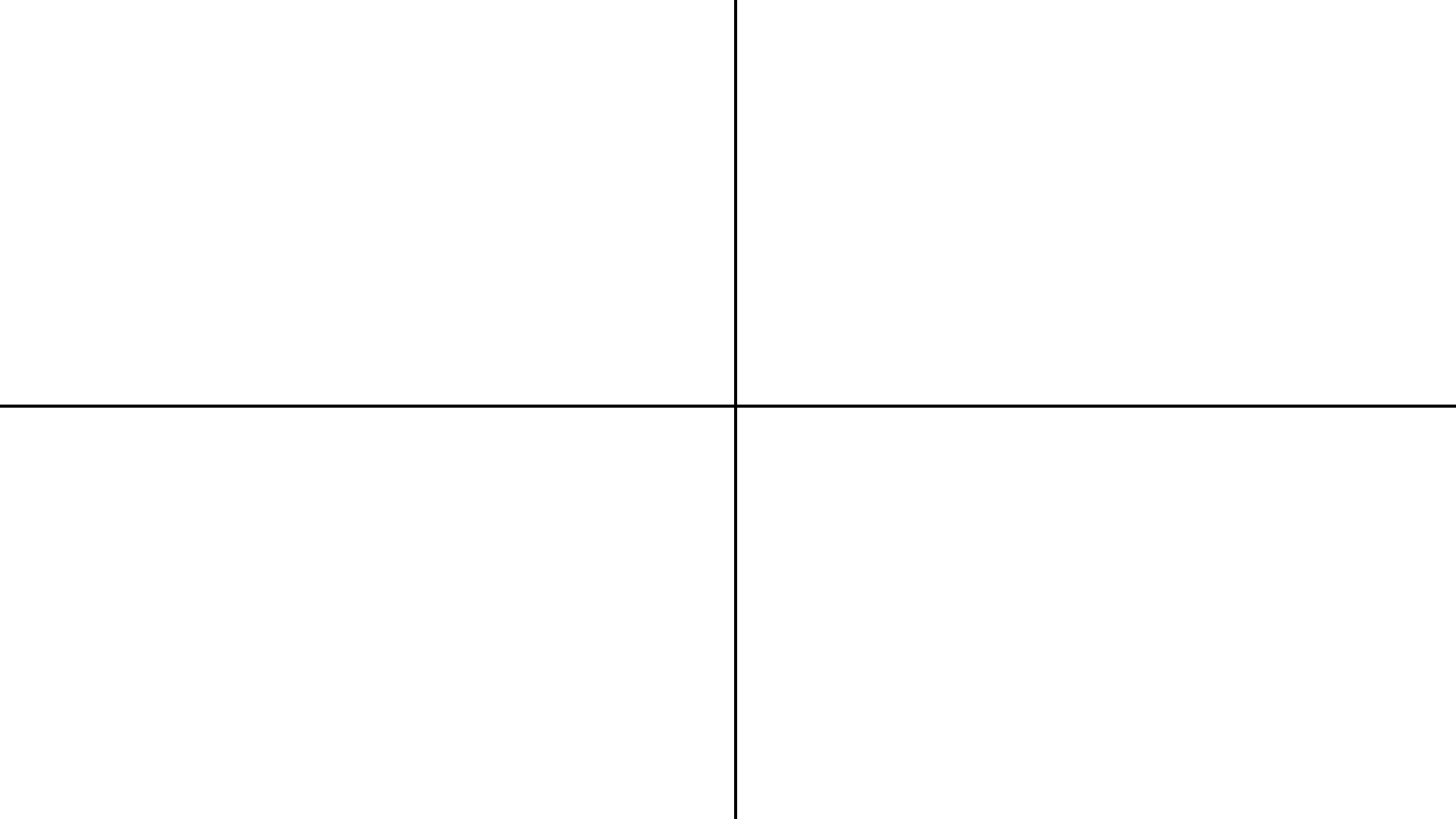
Northern Care Alliance
NHS Group





The Healthcare Entrepreneur Exchange Programme (HEEP) is a programme built and implemented in collaboration between Hospital Germans Trias i Pujol (HGTP) and the Leeds Teaching Hospital NHS Trust (LTHT), aiming at fostering intrapreneurship and international collaboration between healthcare professionals



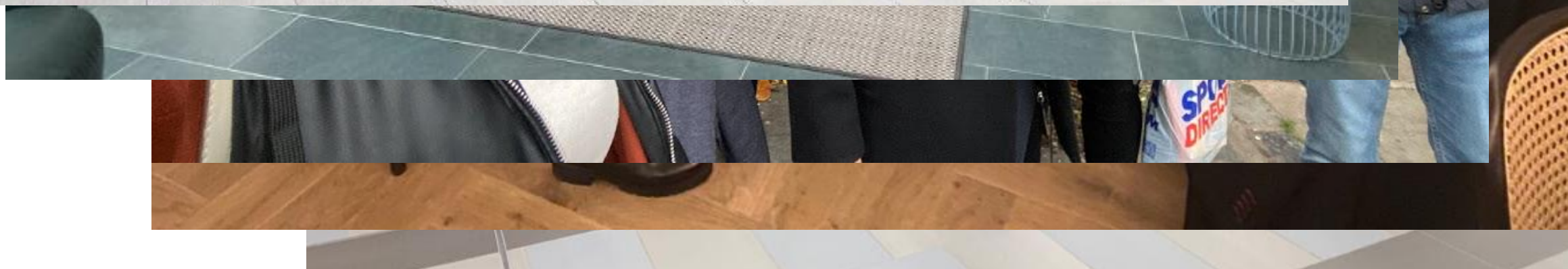


INTERNATIONAL PROGRAMME

Objective: connecting the North UK and Catalonia's healthcare innovation ecosystems in order to showcase strenghts and build value connections for the future

- One week visits (5 working days)
 - UK visits Catalonia – w/c 4th October
 - Catalonia visits UK – w/c 25th October





LEEDS | MANCHESTER | NEWCASTLE
GERMANS TRIAS | VALL HEBRON | BELLVITGE

HEALTHCARE- ENTREPRENEUR EXCHANGE PROGRAMME

Apply by 31st October 2022

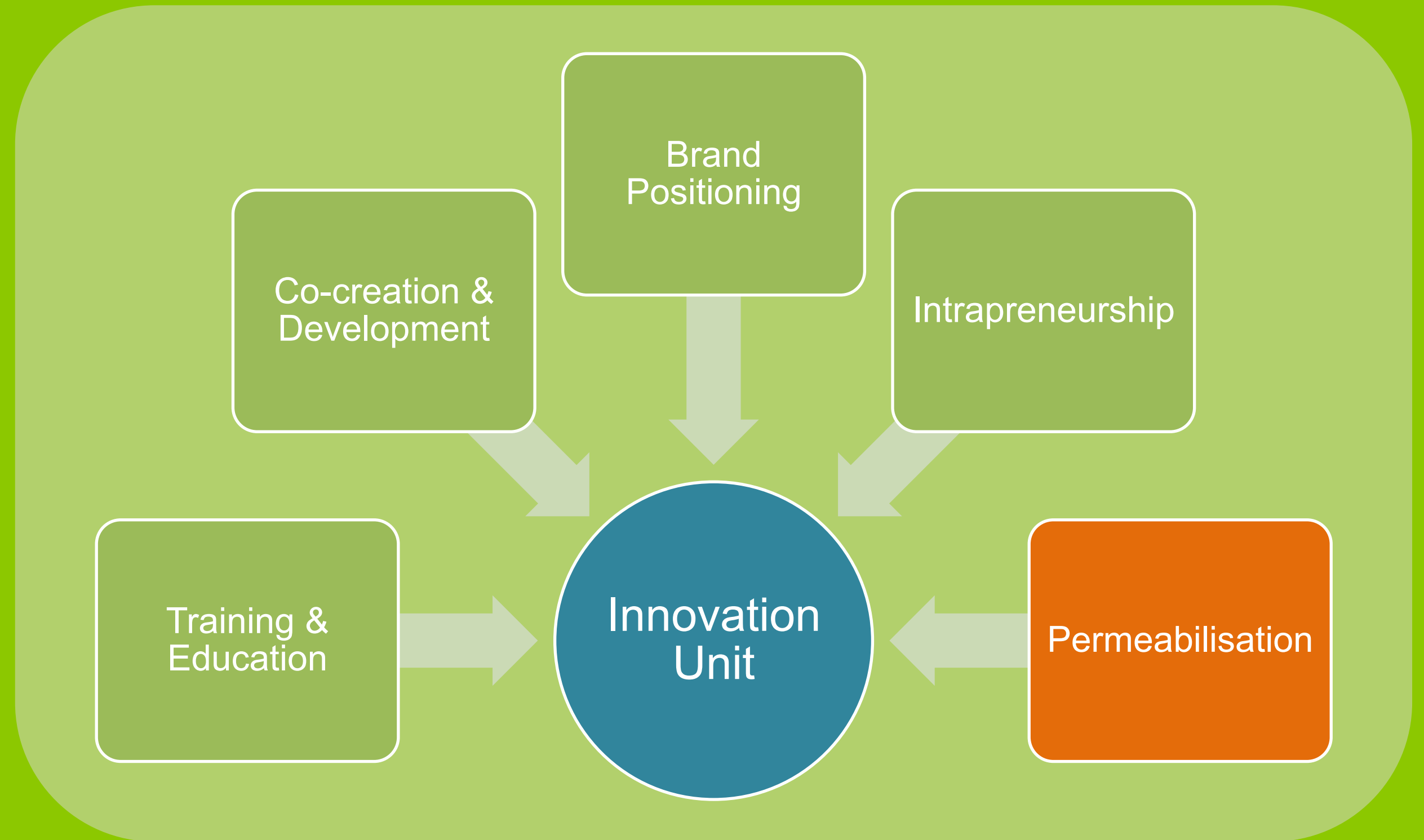
LEEDS | MANCHESTER | NEWCASTLE
GERMANS TRIAS | VALL HEBRON | BELLVITGE



Salut/Institut
Català de la Salut

Future HEEP editions with Denmark or Finland?

5



Permeabilisation



Understanding where we are

We regularly audit the engagement of the different departments in the hospital with the innovation programme

RADIOGRAPHY OF INNOVATION AT HGTP

REPRESENTATION



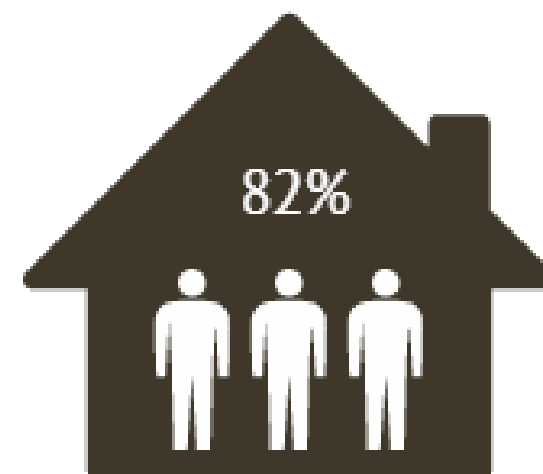
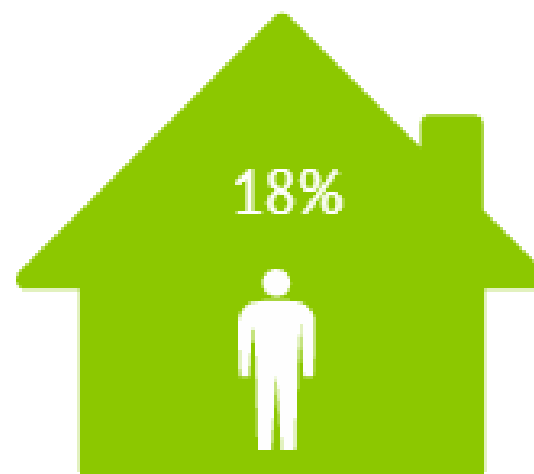
+300

Healthcare professionals engaging with the innovation programme and projects



500%

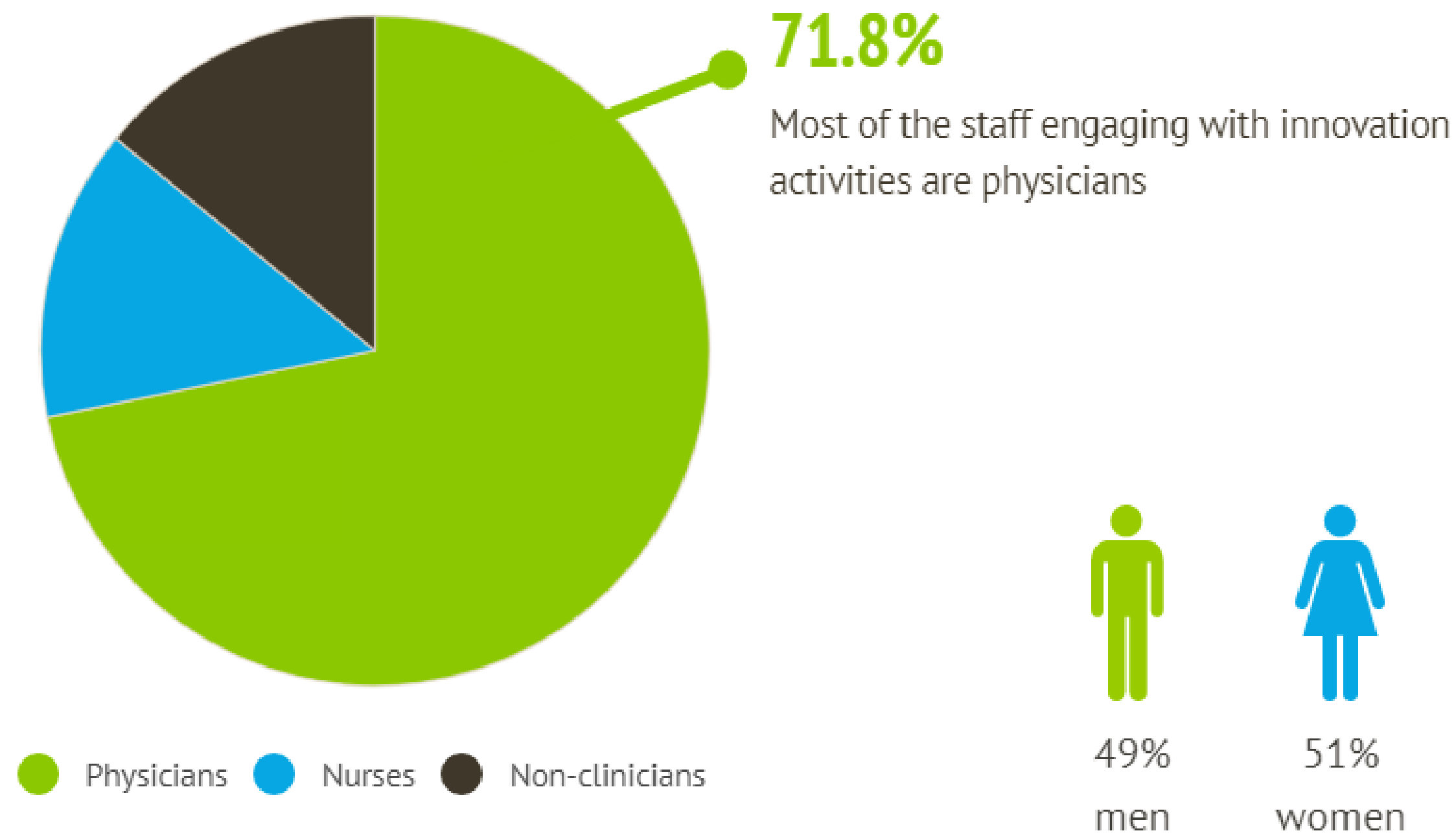
Increase in the number of staff interested in participating in innovation projects



4/5

Departments in the hospital engaging with
the innovation strategy

HEALTHCARE PROFESSIONALS



Healthcare Innovation: the timing is right



Pla Estratègic de Recerca i Innovació en Salut (PERIS)

Promotion of an innovation ecosystem in healthcare in Catalonia



European Innovation Council

New instrument to support the introduction of innovative products in the European Union



Recovery and Resilience Funds

- España Puede
- Next Gen Catalonia
- Salut 3.0



Horizon Europe opportunities

Other initiatives funded by Next Generation EU

Take home messages



1

We are already working together



2

We are very active in the EIT Health community



3

Happy to explore consortia possibilities and jointly applying to Horizon Europe / Next Generation calls



4

Build bridges to connect healthcare innovation ecosystems

- HEEP
- Other similar programmes

Acknowledgements



DANIEL MORENO, PHD
Head of the Innovation Unit



ORIOL ESTRADA, MD, PHD
Healthcare Strategy Director

JORDI ARA, MD, PHD
Territorial Manager

MARC VILAR, PHD
Finance Director

MERITXELL DAVINS, MD, PHD
Head of Digital Transformation and eHealth

FRANCESC LOPEZ, PHD
Head of the Health Economy Unit

RAQUEL ESCRICH, PHD
Senior Project Manager

MARISABEL MARTINEZ
Innovation Project Manager

JORDI BARRETINA, PHD
Director at IGTP

RAÜL ZURITA, PHD
Head of Innovation at IGTP

Disrupting the model from the inside

8 min
talk each



MERITXELL DAVINS, MD, PHD
Head of Digital Transformation and eHealth



FRANCESC LOPEZ, PHD
Head of the Health Economy Unit



RAQUEL ESCRICH, PHD
Trias Talents Programme Manager

5-10 min

Fireside chat & QA

Talk to us!

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Salut/



Germans Trias i Pujol
Hospital

