

9<sup>th</sup> April 2021



# Enter to Transform

*Development of Irish Hub*

# LETTERKENNY INSTITUTE OF TECHNOLOGY

- Over 4,000 students from 31 countries
- Industry focused courses
- Focused on supporting our students to achieve



**“Donegal - Coolest Place on the Planet”**  
National Geographic 2017

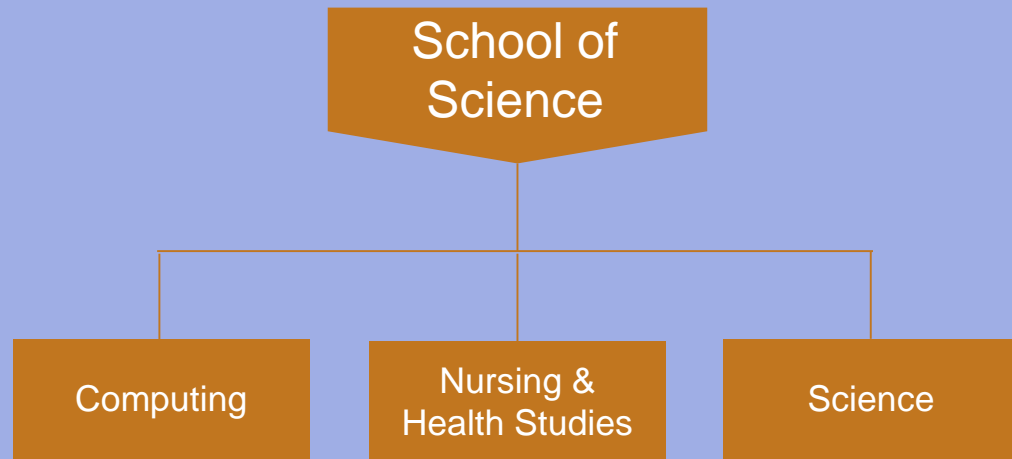
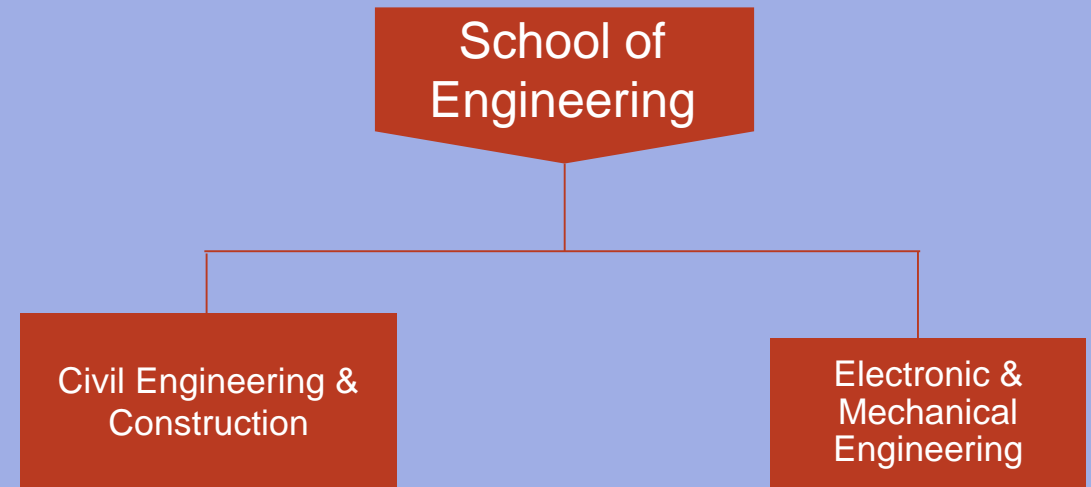
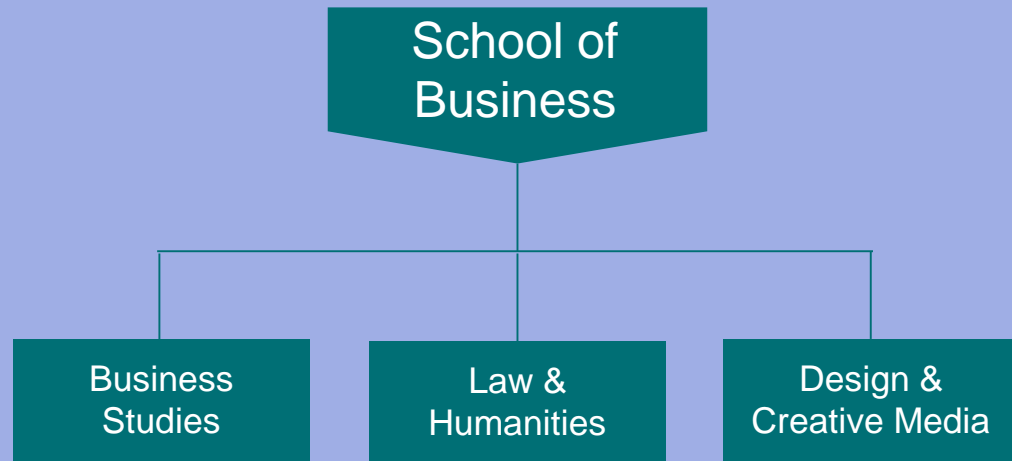


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# Schools & Departments in LYIT





1st Highest economic  
impact of any HEI in  
Ireland

4.25  
Multiplier for LYIT for every  
€1 spent by the college -  
€4.25 is created

€100 million p.a.  
Economic impact to the  
local economy created by  
LYIT

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# Expansion to Technological University

Minister McHugh announces €2.5 million investment to progress LYIT university status

NEWS, STUDENT NEWS, STAFF NEWS / Thursday 17 October 2019

"We all want to see LYIT grow and expand into university. And we all see the benefit in doing so across the border, including in education," McHugh said.

CONNACHT-ULSTER  
ALLIANCE



Letterkenny Institute of Technology  
Sligo Institute of Technology  
Galway-Mayo Institute of Technology



# TEAM PROFILES

## Pádraig Ó Gallchóir

- Head of Research & Innovation (LYIT)
- MBA
- Ph.D. focused on graduate employability in the SME sector.
- Professional Accountant
- Over 20 years' experience in enterprise development, innovation, research and tech transfer



## Juanita Blue

- BSc. (Hons)  
Computer Security & Digital Forensics
- Ph.D. Intelligent Identity Authentication (ongoing)
- European Funding and Programme Management (Interreg & Erasmus +)
- Specialist Areas: Digital Security, Privacy & Trust, GRC, GDPR and Identity





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# Research & Projects

**Research Projects**

Enterprise Ireland Technology Gateway,  
WiSAR, 2018-2022, €1m.

Bryden Centre, Interreg V funded Renewable  
Energy Project, led by Queens University  
Belfast, €9.4m.

NW Advanced Manufacturing Centre,  
Interreg V funded Advanced Manufacturing  
Project, led by Catalyst Inc formerly Northern  
Ireland Science Park, €8.5m

**Research Projects**

Centre for Personalised Medicine; Interreg V,  
Project led by UU €9million

TAOIDE -Technology Advancement of Ocean  
energy devices through Innovative  
Development of Electrical systems – H2020,  
€3.5 million

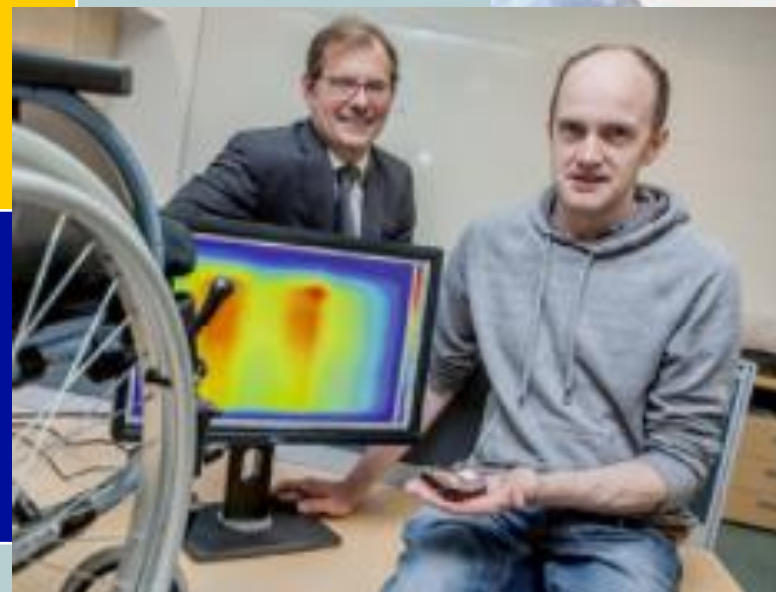


## Industry Research Partnerships

150+ Innovation Voucher projects with client companies throughout the Republic of Ireland & Northern Ireland

50+ Fusion projects with client companies in Northern Ireland

10 Innovation Partnerships with client companies



Research Projects/Other	Erasmus + €1.5million e.g.
SMARTRenew – Smarter renewable energy and heating Management for Arctic and northern Rural TerritoriesNorthern Periphery Programme, LYIT Lead Partner, €1.6 million	Restart Entrepreneurship <a href="http://www.restart.how">www.restart.how</a>
SAFER, Smart Atlantic Seafood Clusters, Atlantic Area Programme 2014 – 2020,€1.8 million	I-STEP Entrepreneurship Education <a href="http://www.i-step.community">www.i-step.community</a>
Masters by Research/PhD	Raise Apprenticeship Alliances <a href="http://www.apprenticeshipalliances.eu">www.apprenticeshipalliances.eu</a>

# Research Partnerships & Funding



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## Enterprise Ireland:

- Innovation Vouchers
- Innovation Partnerships
- Commercialisation Projects

## Intertrade Ireland:

- Fusion

## European Funding:

- Interreg Programmes
- Erasmus +
- Horizon 2020

# Innovation



The Wireless Sensor and Applied Research Lab (WiSAR Lab) develops products and industry solutions using expertise in Wireless electronics, Embedded Systems and Software

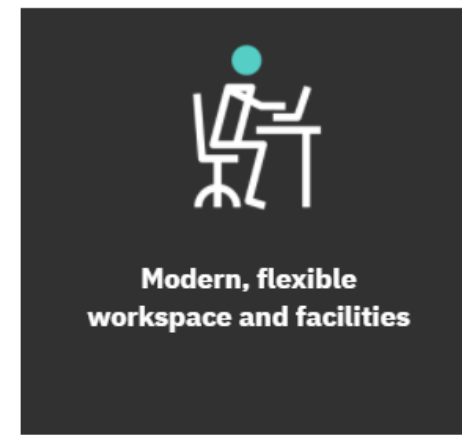
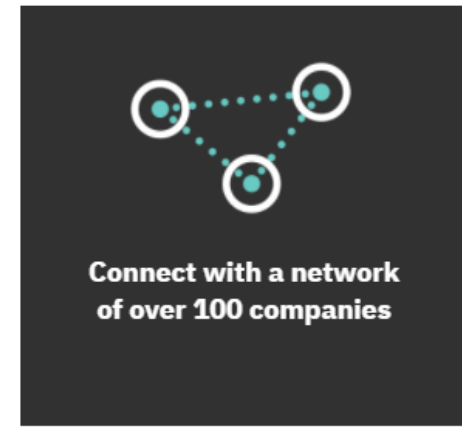
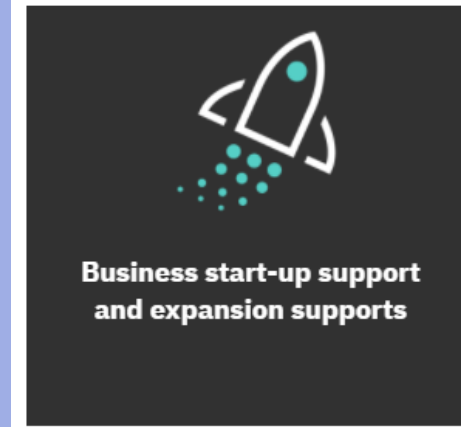
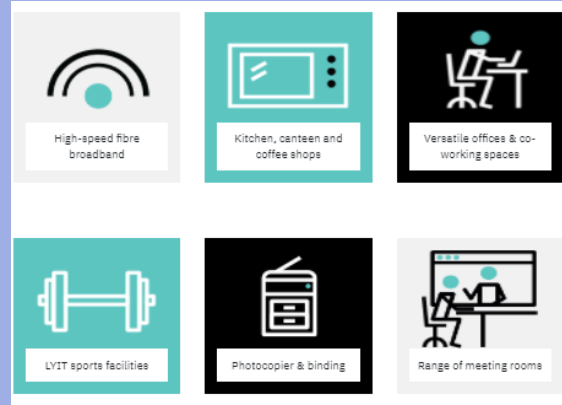
WiSAR Lab - Technology Gateway Network

WiSAR is part of the Technology Gateway Network, an Enterprise Ireland funded nationwide resource for industry delivering solutions on near to market problems for Irish companies locally and nationally

# INCUBATION

From one women powerhouses to 20+ and going global, CoLab clients are diverse, entrepreneurial and ambitious

From high-speed broadband to an endless supply of tea bags, CoLab have all the facilities your business needs



# RELEVANT EUROPEAN PROJECTS



In Restart+ Communities we work together to create innovative learning tools and resources which equip leaders of community groups, public authorities and educational institutions with the knowledge and skills needed to adopt a transformative approach to community reactivation.



**WE BUILD**

regional alliances for community growth



**WE TRAIN**

the facilitators of transformative community



**WE PROMOTE**

self-learning through open education resources



Helping SME owners to identify and analyse Early-Warning-Indicators of business crisis and to develop suitable measures to prevent or overcome the crisis.

Research shows that SMEs neither have suitable Early Warning Systems nor are they able to develop suitable countermeasures on their own. Moreover, SMEs often have special characteristics preventing them from detecting and reacting on business crises: owner-centred, patriarchally organised, underfunded, cluster risks – to name but a few.

# INSTITUTE OF TECHNOLOGY CARLOW



# OUR EXPANDING CAMPUS

### Students Services Centre 2012



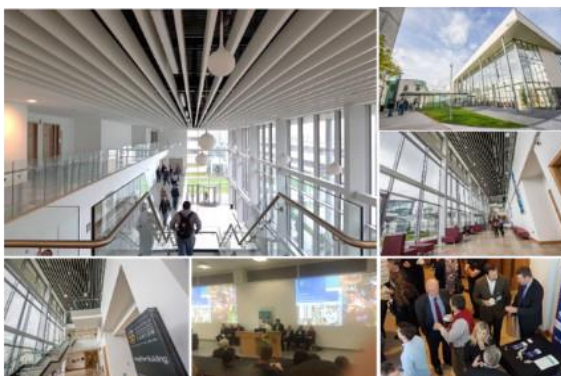
### Dargan Centre for Research and Innovation 2014



### Centre for Aerospace Engineering 2015



### Haughton Building 2016



### MASTERPLAN



### South Sports Campus 2018





# TEAM PROFILES

## Brian Ogilvie

- BSc (Hons), MSc, MBA, RTTP
- 25 years (Public / Private) Innovation & Commercialisation Management
- Specialist Area: Key Mechanisms & Access Pathways for Entrepreneurs
- Secured €30M for EU cross-border collaboration in Entrepreneurship

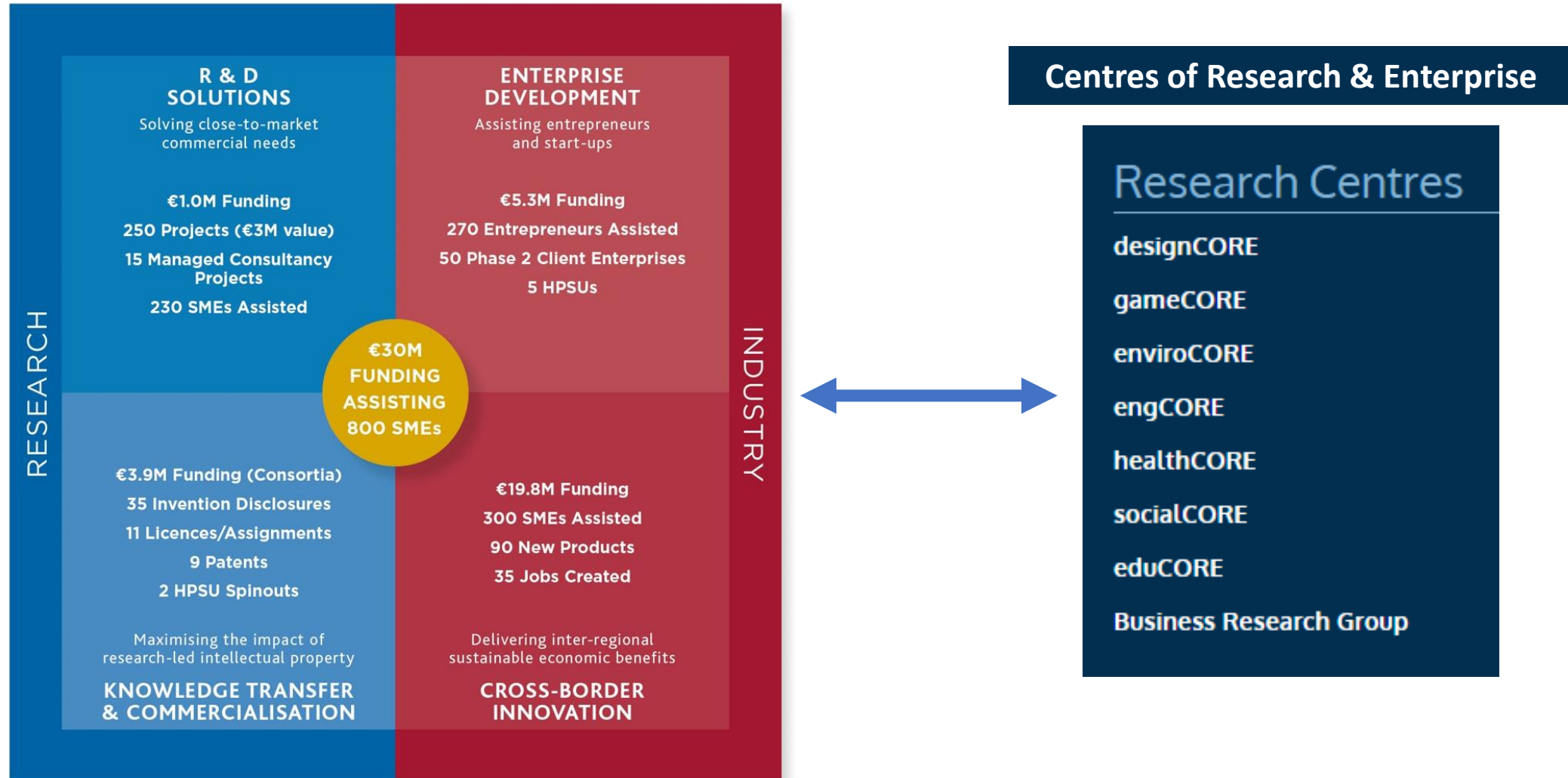


## Dr Suz Garrard

- BA (Hons), MLitt, PhD
- 12 years Higher Education Administration, Funding and Programme Management
- Specialist Area: Meaningful Interdisciplinary Engagement and Pathways (Academic / Professional)
- National Contact Point



# STRUCTURE OF SUPPORT



# INCUBATION

## FUTURE STUDIO AT INSTITUTE OF TECHNOLOGY CARLOW

Innovating for Impact

- Creative Communal Workspace
- Community of Entrepreneurs
- Solving Shared Fundamental Problems
- Hub for International Collaborations

# PRODUCT DESIGN & DEVELOPMENT

Agile & Design Thinking Philosophy  
Business Modelling / User-centred  
Dedicated Staff & Resources



# FUNDING ACCESS

Enterprise Ireland (EI) Open Call  
IV x 2 | 50:50  
Limited Company  
VAT is Eligible



## Innovation Voucher

An Enterprise Ireland Initiative

**€5,000**  
(Exclusive of VAT)

This voucher can be exchanged for advice and expertise from participating knowledge providers.

Date Issued:

Voucher Number:

Knowledge providers should submit this voucher to Enterprise Ireland to claim the €5,000 payment



Enterprise Ireland is funded by the Irish Government and part-financed by the European Union under the Regional Development Plan 2007-2013.

This voucher is valid until 31/12/2013

# NATIONAL NETWORKING



DESIGN+

A Dedicated Industry Support Unit & Network Access Point



# REGIONAL INTEGRATION

**Stimulate the development of:**

- **SME outreach**
- **Digitalisation and e-working in the Region**
- **Collaborative and innovative projects**
- **Scaling existing projects**



# RELEVANT EUROPEAN PROJECTS

- CATALYST
- INTERREG 5A
- Business Training / Mentoring / Residencies
- Food & Drink / Life-sciences
- Focus on Cross-Border Collaborations

- BUCANIER
- INTERREG 5A
- Entrepreneurship / Mentoring
- Food & Drink / Life-science / Renewables
- Building of Networks & Contacts



- ARTS & HUMANITIES ENTREPRENEURSHIP HUB
- ERASMUS+
- Entrepreneurship / Research & Design Testing
- Entrepreneurship for Humanities & Creative Arts
- Focus on European Hubs
- National Pilots



- BRTE
- HORIZON 2020
- Entrepreneurship / Mentoring
- Strengthening Resilience in Communities
- Wolaita, Ethiopia



# CONTACTS

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- e:[Suz.Garrard@itcarlow.ie](mailto:Suz.Garrard@itcarlow.ie)
- w:[itcarlow.ie/industry-innovation.htm](http://itcarlow.ie/industry-innovation.htm)





**NEW FRONTIERS**  
entrepreneur development  
an Enterprise Ireland programme



**NEW FRONTIERS**  
NATIONAL PROGRAMME FOR  
DEVELOPING ENTREPRENEURS



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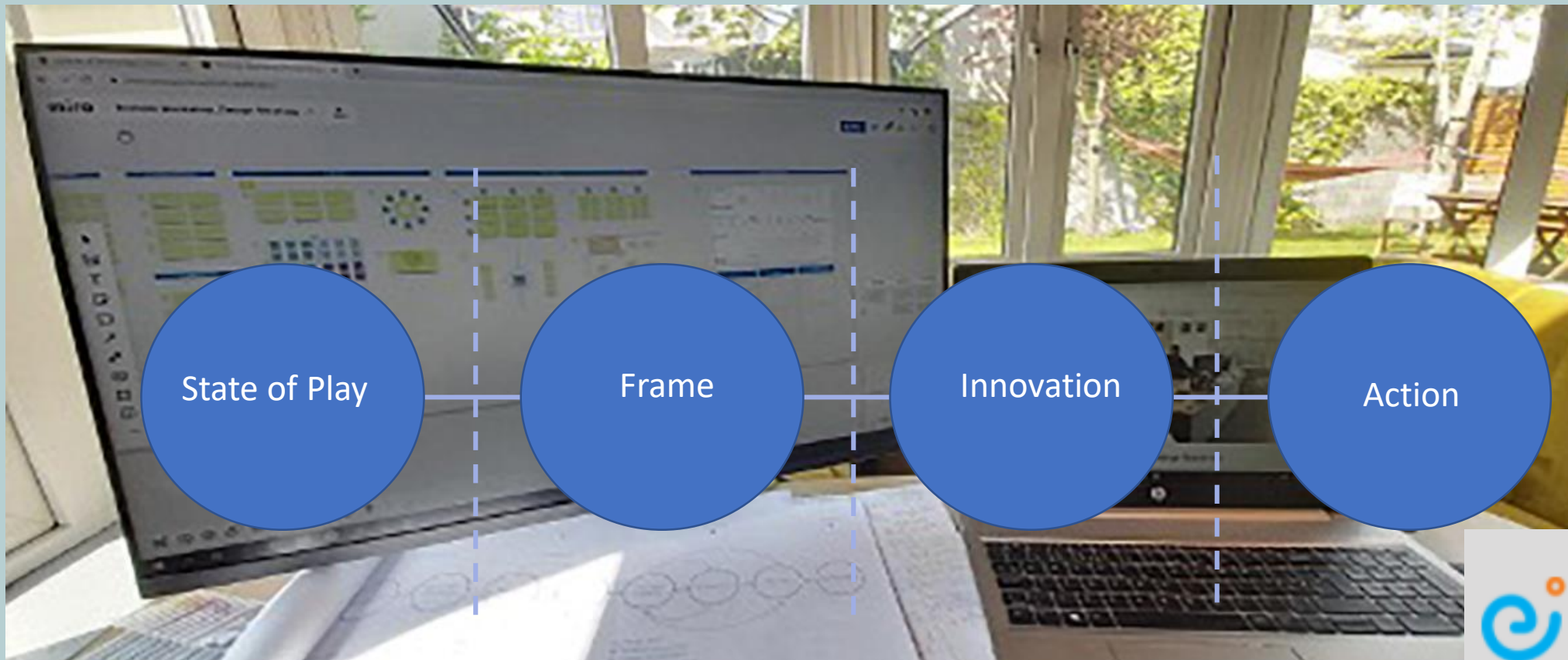
# ENTREPRENEURIAL PROGRAMMES



**NEW FRONTIERS**  
NATIONAL PROGRAMME FOR  
DEVELOPING ENTREPRENEURS

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## From Business Idea to Successful Start-Up

- Delivered on behalf of Enterprise Ireland by Institutes of Technology & Universities
- New Frontiers is the national programme designed to develop entrepreneurs
- Over three phases, entrepreneurs will gain the confidence & skills to develop a business idea within a supportive and encouraging environment
- Consisting of practical and interactive workshops, personalised one-to-one mentoring, financial support and co-working space
- New Frontiers is a game-changer for anyone serious about developing their business idea into a successful start-up.

## Your Programme Journey



**Please note:** Individuals can apply to Phase 2 without having completed Phase 1. Participation in Phase 2 is a prerequisite to being accepted into Phase 3.

# Thanks for Listening!

