

## **Experiences with a CRIS SETU Waterford**

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# What is a CRIS?

A **Current Research Information System** (CRIS) brings research information from all university data sources onto a single, intelligent and secure platform.

It's fully interconnected data model empowers universities to gain a comprehensive overview of all research activities, collaborate beyond borders, maximise funding opportunities, promote open science activities and showcase the impact of the university's achievements.

It makes publications, expertise, grants, and achievements highly visible and discoverable via a research portal.

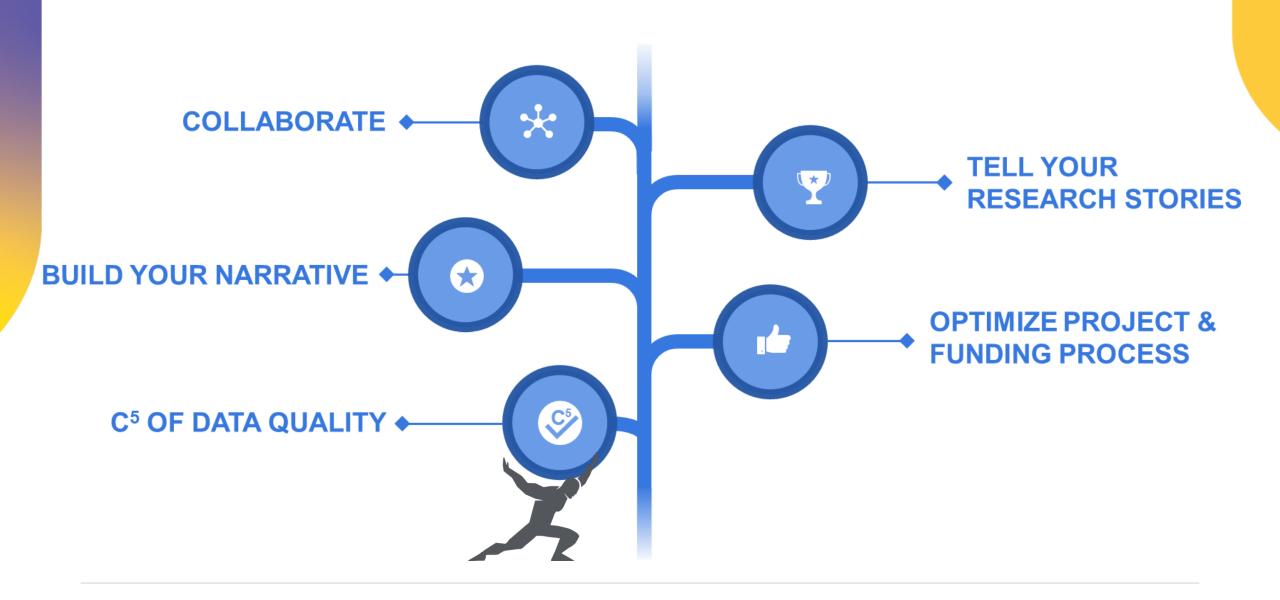
A CRIS can deliver substantial benefits in efficiency and facilitate the implementation of open science, including the possibility of linking specific outputs (publications or data) to the research equipment used in their production for example.

A CRIS has become an essential tool for the day-to-day work of RMAs.

## Why did SETU implement Pure?

#### Showcase our Research

- Enhance visibility of research both internally and externally
- Expertise Discovery
  - Industry Partnerships
  - Collaborations
  - Attract students
- Reporting
  - Strategic Planning
  - Performance Dashboards
- Repurposing Data
  - Webpages
  - CVs
- Centralised Information Repository
  - Research outputs, impacts and activities



## Who is in Pure?

**Up to 374 profiles** (we pay by the number of profiles) All Schools at WIT (Initial data from HR)

## **ACTIVE RESEARCHERS at WIT (Phase 2 to include Carlow researchers)**

Typically, research active staff members as per the
Definition and Organisation of Research at WIT
(approved by RIEC and confirmed by Heads of School)
Postdoctoral researchers, research scientists/ engineers
and research assistants

**Research Masters and PhD Students** 

#### **Exclusion Criteria**

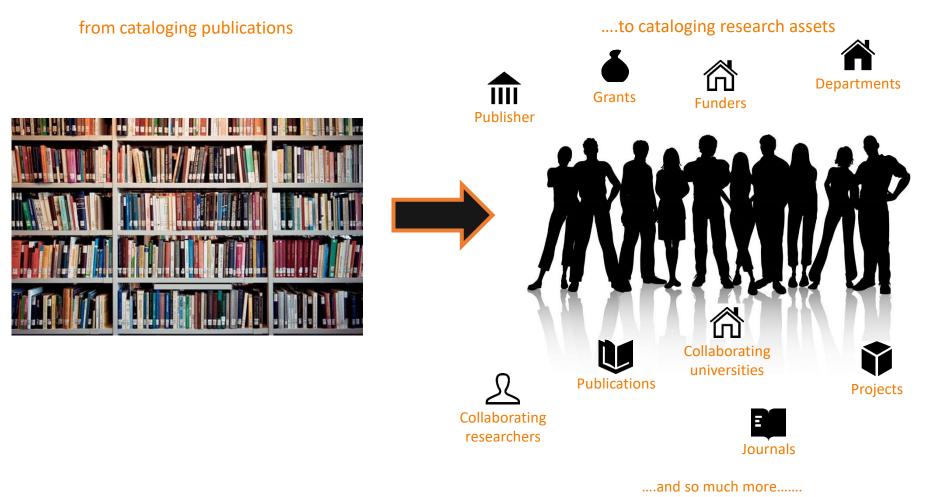
Academic staff who are not research active

**Taught Masters students** 

**Upon request**, people who are active in research as per above definition (<u>pure@wit.ie</u>) ... must have demonstrable research outputs

## What is Pure?

#### A Research Information Management System (RIMS)



### **Researcher centric**

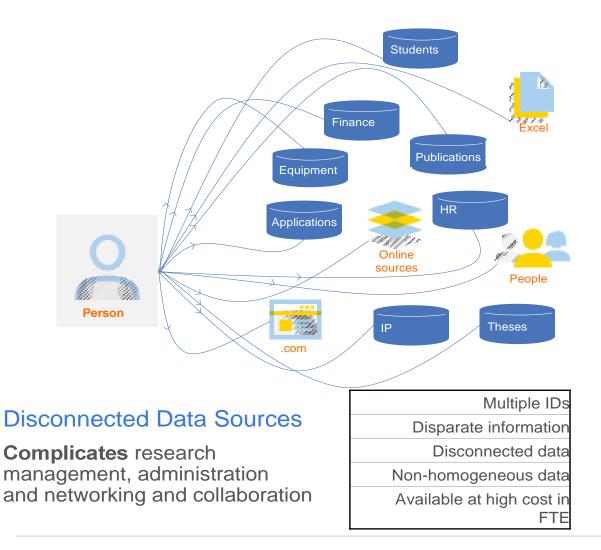


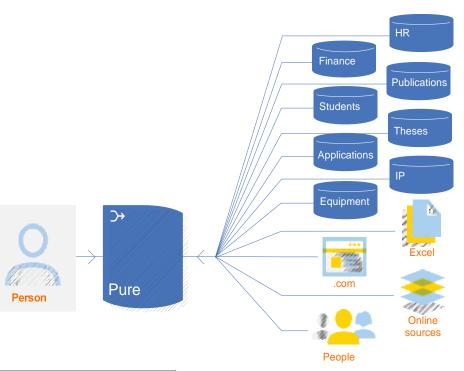
### **Researcher life cycle**

		Inj	puts		Throughputs		Outputs	and outcor	nes		
Strategy	Researchers	Funding	Facilities	Collaborations	Research	Publications	Data	Esteem	Commercial	Impact	Promotion
		5						$\sim$		00	

identify strengths • Set goals • Track progress	recruit, retain, s develop fr Manage • M internal and s external assessment • M a	dentify, • Optimise secure provision & funding use of facilities Monitor & equipment success rates Manage awarded funds Manage compliance	Identify and form research collaborations	<ul> <li>Conduct research</li> <li>Manage and track research processes</li> </ul>	<ul> <li>Publish high quality research output</li> <li>Read and cite published research</li> <li>Manage open access policy compliance</li> </ul>	<ul> <li>Ensure accessibility and utility of data</li> <li>Monitor open data policy compliance</li> </ul>	• Win esteem	<ul> <li>Identify and commercialise opportunities (patents, licenses, spin-offs)</li> </ul>	<ul> <li>Maximise impact of research on society</li> </ul>	<ul> <li>Showcase researchers, facilities and outcomes to create a virtuous circle</li> </ul>
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### An integrated IT-eco system



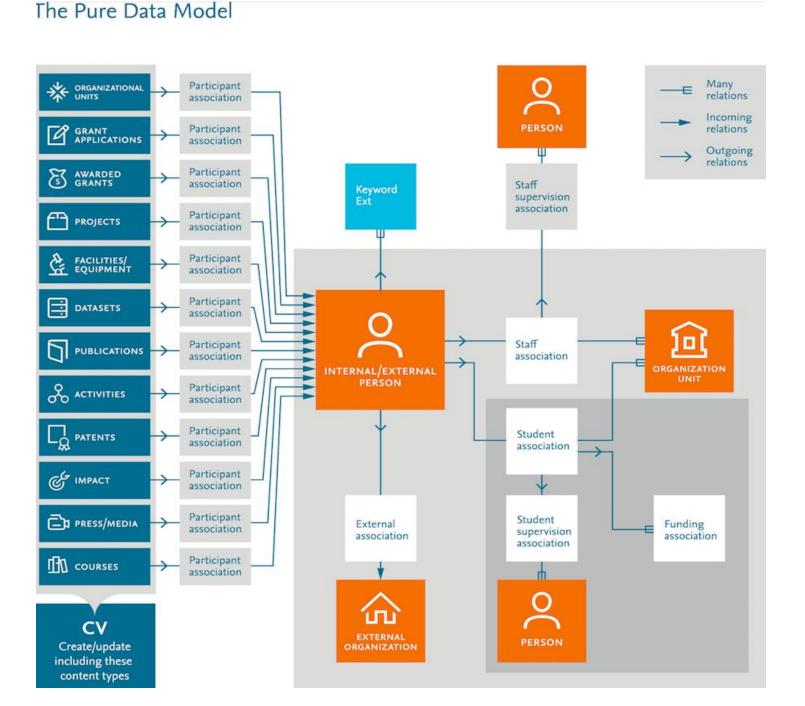


Unique IDs	
Structured information	
Interconnected data	
Homogeneous data	
Available at low cost in FTE	

#### **Pure Integration**

**Simplifies** research management, administration and researcher networking and collaboration

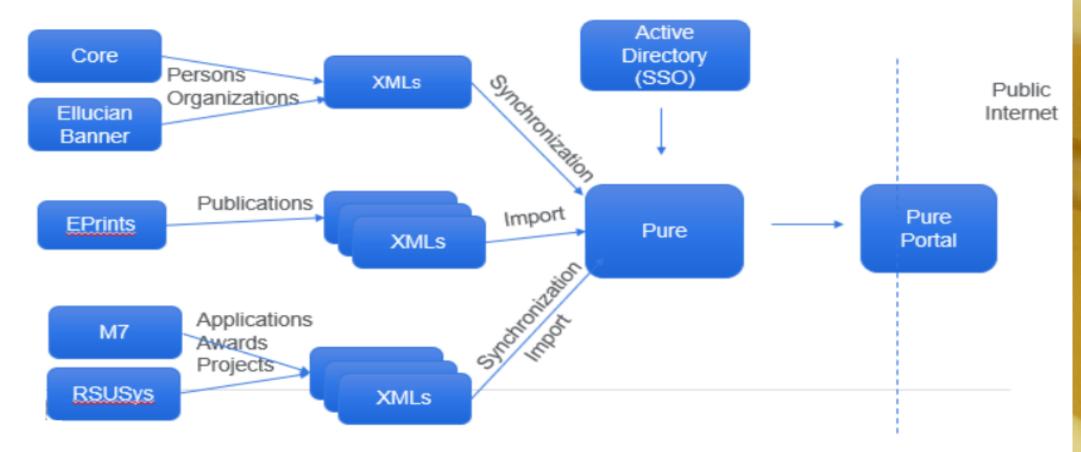
#### The data model:



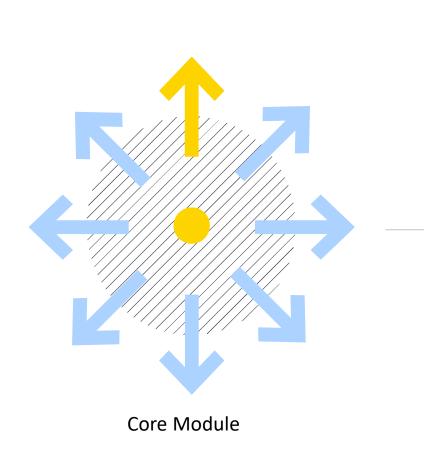
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## System Landscapes and Integrations

Scope: System Landscape and Integrations



#### Pure Modules as part of the software solution









**Reporting Module** Enables you to generate reports on all data stored in Pure.

Publicly-accessible website that showcases curated content in Pure.

Award Management Module

the management of research projects.

Helps researchers efficiently create CVs capturing Pure data in standard formats.

Streamlines and automates

**CV Module** 

The Pure Portal

Pure Community Module Allows institutions to choose the data they share Software & Applications

Digital Commons (repository and journals)

Funding Institutional Scopus SciVal Newsflo Data Monitor

#### System Agnostic

## Who manages the information in Pure?

#### The Researcher (or proxy) can manage\*:

- Name Default Publishing Name, Former Name
- Titles Additional Standalone Titles
- ORCID, Scopus ID, Mendeley Profile ID
- Profile Photo
- Links to Researcher Pages
- Research Interests / Profile text
- Positions outside of WIT
- Activities, Prizes
- Education / Academic / Professional Qualifications
- Fingerprints Manually adj ust certain keywords
- Additional Research Outputs
- CV

## Who manages the information in Pure?

#### **Elsevier manages:**

- New publications (automatically added from Scopus)
- Metrics
- Fingerprinting
- Profile Refinement Service
- Organisation Affiliations
- Publication affiliations with authors and organisational units

## Who manages the information in Pure?

#### **The Research Office manages:**

- Adding researchers (and administrators) and research units by coordinating with HR, Schools, Institutes and Centres
- A WIT person/profile data must include:
  - Staff id
  - Name
  - Organisational Affiliation
  - Visibility (of group or person)
  - Titles/Associations (e.g. Department of Engineering Technology, Lecturer)
  - Grants, Proj ects

#### **Initial Research Output comes from Scopus and Plum Analytics**

#### **Other possible import sources:**

- Mendeley
- JournalTOC
- Web of Science
- arXiv
- CAB Abstracts
- PubMed
- Worldcat
- SAO/NASA Astrophysics Data system
- Embase
- CrossRef
- Espacenet
- Scielo
- CiNII
- EbscoHost



р. 59-6	Usage Abstract Views: 87 Link-outs: 32	
	Captures Exports-Saves: 15 Readers: 2	
ights A	Mentions News Mentions: 4	_
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ors: A	Citations Citation Indexes: 2	
	see details	

#### **Dashboards in Pure**

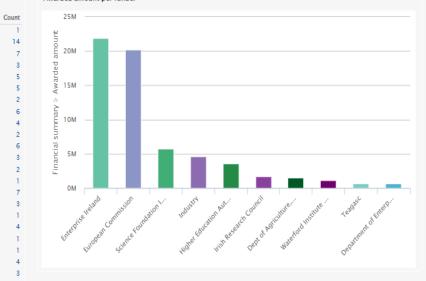
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2021	Prize format types - Prize
	Prize format types - Honorary award
	Prize format types - Other distinction
2020	Prize format types - Prize
	Prize format types - Honorary award
	Prize format types - Other distinction
2019	Prize format types - Prize
	Prize format types - Honorary award
	Prize format types - Other distinction
2018	Prize format types - Honorary award
	Prize format types - Prize
2017	Prize format types – Prize
	Prize format types - Honorary award
2016	Prize format types - Prize
	Prize format types - Honorary award
	Prize format types - Other distinction
2015	Prize format types - Prize
	Prize format types - Honorary award
	Prize format types - Other distinction
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2012	Prize format types - Prize
	Prize format types - Honorary award

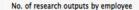
#### Collaboration between people

Since data is reduced to content with the most collaboration the matrix and the graph shows an incomplete picture

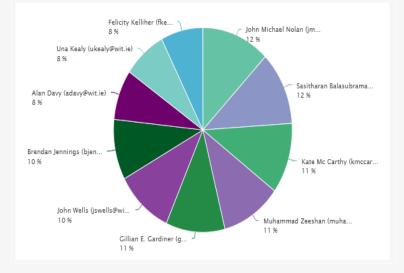
🎉 View as graph	Sasitharan Balasubramaniar	Catherine O'Reilly	Peter Mc Loughlin	John Michael Nolan	Brendan Jennings	Helen Hughes	John Wells	Alan Davy	Denise O'Meara	Lee V. Coffey	Laurence Fitzhenry	Ramesh Raghavendra	Gillian E. Gardiner	Kate McCarthy	Suzanne Denieffe	Michael Bergin	Una Kealy	Felicity Kelliher
Sasitharan Balasubramaniam					19			3		6								
Catherine O'Reilly									27	15								
Peter Mc Loughlin						29				2	14		7					
John Michael Nolan															1			
Brendan Jennings	19							19										
Helen Hughes			29								3		7					

#### Awarded amount per funder





2



#### Performance Indicators by calendar year

Year	Organisation	Value	Goal	Deviation
Researc	h outputs (peer-reviewed) - Research outputs			
2018	Waterford Institute of Technology	185	0	185
2019	Waterford Institute of Technology	201	0	201
2020	Waterford Institute of Technology	199	0	199
2021	Waterford Institute of Technology	266	0	266
2022	Waterford Institute of Technology	100	0	100

#### Collaboration between organisations

Since data is reduced to content with the most collaboration the matrix and the graph shows an incomplete picture

🏦 View as graph	Waterford Institute of Techr	Department of Arts	Department of Science	Department of C omputing a	Department of Managemen	School of Health Sciences	Analysing Social Change Re	Nutrition Research Centre li	Department of Sport and Ex	Department of Accountancy	Department of Engineering	Walton Institute for Informa	Pharmaceutical and Molecu	Department of Nursing and	Research, Innovation & Grav	Department of Law and Crii	School of Business	RIKON
Waterford Institute of Technology		26	80	66	75	21	5	17	63	39	23	29	30	24	20	14	20	18
Department of Arts	26		1	4			153			1	1				2	11		
Department of Science	80	1		14	3	2		1	8		23	2	59	1			3	
Department of Computing and Mathematics	66	4	14		1	4	2	2	4	10	5	81	1		36		1	2
Department of Management and Organisation	75		3	1					7	31		4			4		45	41
School of Health Sciences	21		2	4			1	128	n			1		20	2	15	1	
Analysing Social Change Research Group	5	153		2		1		1		1					1	3		
Nutrition Research Centre Ireland	17		1	2		128	1		10					17	1	13	1	
Department of Sport and Exercise Science	63		8	4	7	11		10		1	1	1	11	17	5	6	1	1
Department of Accountancy and Economics	39	1		10	31		1		1		1	1		1			14	9
Department of Engineering	23	1	23	5					1	1			4		12	1		

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## Benefits of Pure to the Research Manager

Transform your office's ability to collect and manage data, guide decision making and deliver new insights.



Seamlessly maintain complete reporting on connected research activity and current compliance.

**Drive connectivity** between multiple research teams by easily organizing institutional and research activity data.





Maintain multiple project workflows for accurate tracking across research activity and milestones.

Advance academic goals by elevating institutional performance and streamlining grant applications and research outputs.

### Benefits of Pure to the Library and Information Science Professionals

Leverage a highly proactive and responsive interface to enable efficient institutional archiving and enhanced research visibility.



**Generate actionable insights** by supporting connected and accurate reporting on real-time research activity.



**Support collaboration** among various research teams through organized overviews of research activity data.



**Enable precise tracking** of the entire funding lifecycle and various research milestones by supporting multiple project workflows.



**Boost institutional visibility** via compelling stories, vibrant public profiles and tailored views of your institution's research activities.

## Benefits of Pure to the University Leaders

Take advantage of a cohesive research ecosystem to augment research performance, funding and institution-wide decision making.



Access complete research visibility via connected internal and external reporting on research activity and compliance.



**Improve research perception** among potential collaborators by organizing and showcasing institutional accolades.

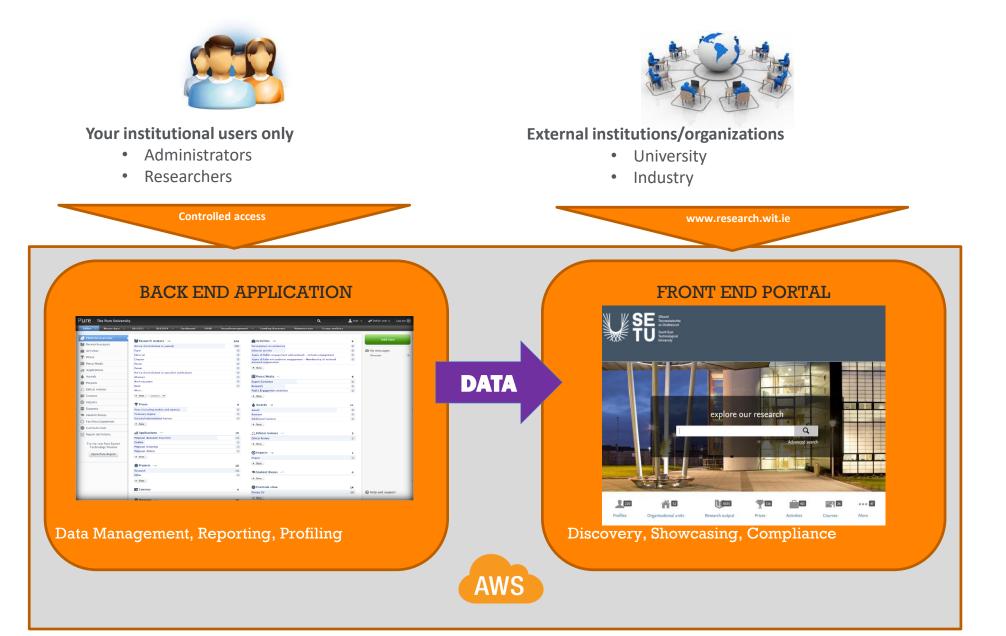


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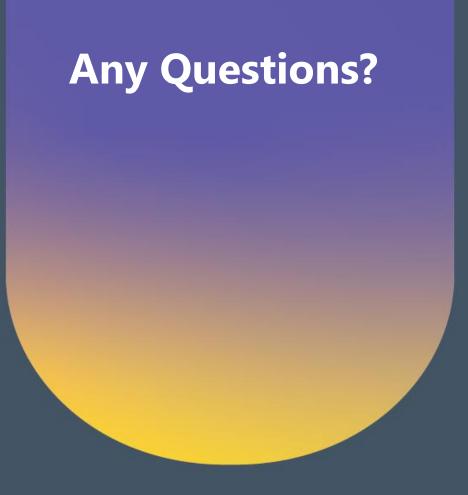
**Capitalize on funding opportunities** with easy and clear visibility into workflow activity and milestones.

**Demonstrate global impact** with quantitative and qualitative indicators interlinked with research output.

#### Pure has two faces



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New current research information system to give SETU a competitive edge

25 April, 2022

Ollscoil Teicneolaíochta an Oirdheiscirt

South East Technological University

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### Lessons Learned



- Seamless Integration ... was not so seamless
- Have a point of contact, who has time to help with access to data in HR, MIS, Library, Finance (can cause huge delays)
- Don't underestimate the time in accessing data (quality data)
- Cleaning up Institutional data was time consuming
- Start the engagement process now
- Communicate, Communicate, Communicate
- Launching Pure is not the end it's only the beginning

