Capability-Driven Strategy

Itana bi-weekly call, 11 December 2020



Agenda

- Roll Call (by time zone East to West)
- 2. Scribe Shout-out: <u>How To Scribe Itana Notes</u>
- 3. Agenda Bash
- 4. Capability Model-Driven Strategy jeff kennedy (The University of Auckland)
- 5. Itana Org Updates (if any)
 - a. Working Group Updates
 - Wiki Refresh Working Group
 - ii. Women in EA Working Group
 - iii. New2EA Working Group
 - iv. API Working Group
 - v. Business Architecture Working Group
 - b. Steering Committee Update
 - Coaching and Mentoring



Capability-Driven Strategy

jeff kennedy
Enterprise Architecture Manager
The University of Auckland
jeff.kennedy@auckland.ac.nz
@elbanoitca



Agenda

- Capabilities
 What are they, and why are they useful?
- 2. Strategies
 A broad view: what should we invest in?
- 3. Concerns
 Illustrations of real-world higher-education strategic enterprise storytelling.



Capabilities

> The Open Group

A business capability is a particular ability or capacity that a business may possess or exchange to achieve a specific purpose or outcome.

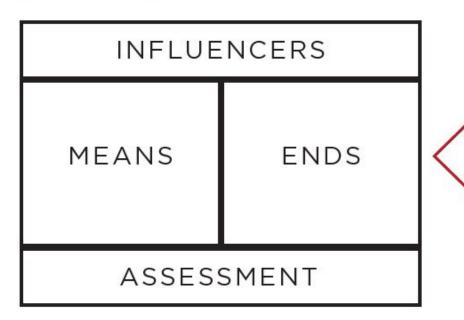
> FromHereOn

A Business Capability is a particular logical combination of People, Process, Information, and Technology resources necessary to deliver a discrete required outcome to achieve a specific business objective.



Anatomy

BUSINESS MOTIVATION



CAPABILITY



OUTCOME









Mind the Gap

Business Strategy

Business Capabilities



Business Processes and Data



What Business Capabilities Are:

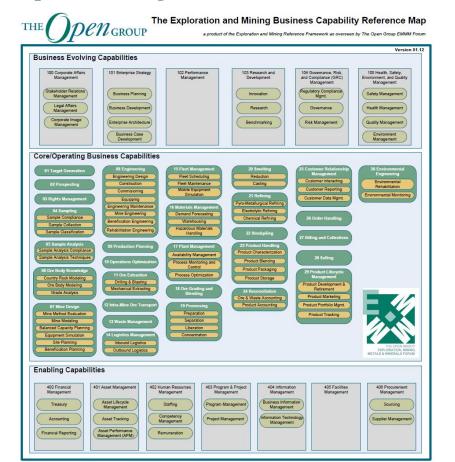
- An expression of the organization's most important activities
- A common language that can used by business relationship managers and business partners to frame demand articulation conversations
- A framework that cuts across organizational silos by focusing on what different constituencies do rather than how they do it

What Business Capabilities Are Not:

- An expression of the organization's technical capabilities
- A detailed description of how each business constituency conducts its activities
- An inventory of process maps or a collection of IT systems



Business Capability Reference Models

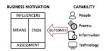




HIGHER EDUCATION BUSINESS REFERENCE MODEL CAUDIT

The Higher Education Business Reference Model describes a standard set of Business Architecture elements relevant to Higher Education. It can be used as a reference for Business Stakeholders, Enterprise Architects. and Technology Strategists to engage in discussion regarding business effectiveness. needs, and challenges. The primary attribute of the Business Reference Model is the embedded capability model, which elaborates the core value chains for higher education and the underlying business capabilities.

UNDERSTANDING BUSINESS CAPABILITIES A capability model supports the development of strategies by viewing the business as a collection of capabilities that can be adjusted in response to the demands of the business environment. This models WHAT the organisation is capable of doing. It presents the business capabilities within the wider business context of WHO it serves, relies on, and answers to, extending beyond organisational boundaries. A Business Capability is a particular logical combination of People, Process, Information, and Technology necessary to deliver a discrete required outcome to achieve a specific business objective. The capabilities support the realisation of an institution's strategies.



USAGE

The Business Capability Model serves as an anchor for assessing perspectives such as strategic importance, maturity, business operational pain points, capital investment, and organisational structure. It presents a view of the organisation with traceability from business objectives through to the information. technology, and other resources required to support them.

MAJOR CONCEPTS

Typically an ORGANISATIONAL STRUCTURE would be included to provide context for the scope of the model.

VALUE CHAINS capture how the institution generates value through Learning & Teaching and Research.

CORE CAPABILITIES that directly support the Value Chains are organised under the relevant Value Chain Segment.

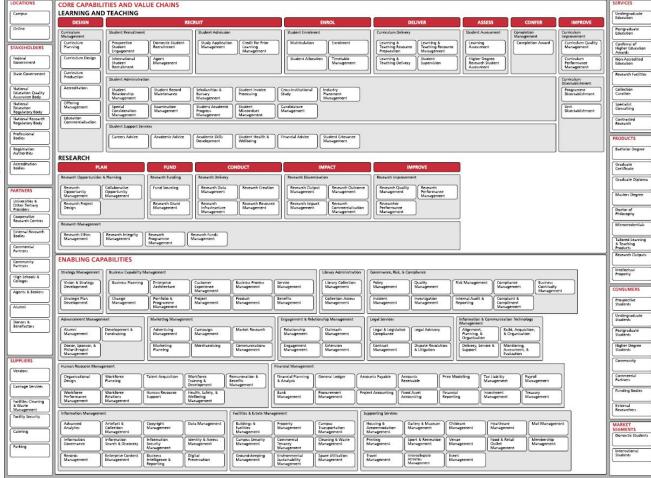
ENABLING CAPABILITIES support the core capabilities across the value chains and keep the institution running.

External LOCATIONS and STAKEHOLDERS

provide additional influencing business context. PARTNERS and SUPPLIERS indicate the entities outside the institution that provide necessary inputs to the institution.

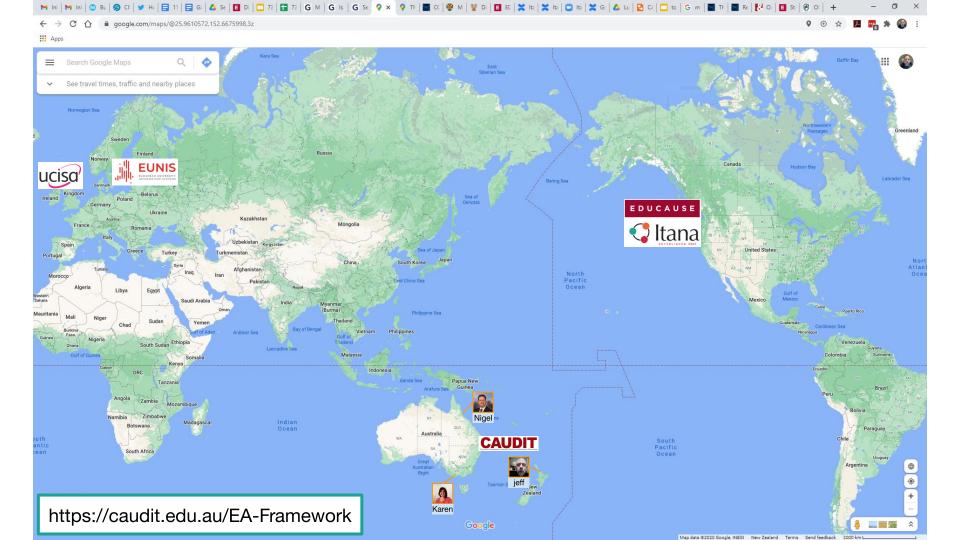
PRODUCTS and SERVICES are those outcomes of the value chain that present tangible value to the consumers and target markets.

CONSUMERS and MARKET SEGMENTS indicate those people and organisations that are the beneficiaries of the value generated by the institution.



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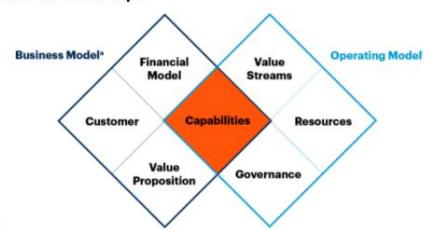




Acclaim!

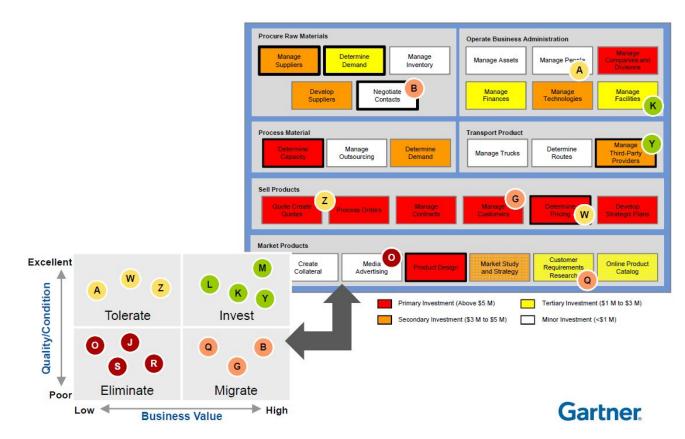
Business capability modeling is a technique that allows enterprises to combine resources, competencies, information, technology, processes and their environments to create unique competitive possibilities. Business capability modeling delivers value to customers or citizens (see 8 Best Practices for Creating High-Impact Business Capability Models). Business capability models are often industry specific and benefit greatly from reference models developed within the industry. One of the most mature business capability models for higher education was developed in Australia through the work of the Council of Australasian University Directors of Information Technology (CAUDIT) and the company FromHereOn. That collaboration resulted in a detailed business capability model: the CAUDIT Higher Education EA Reference Architecture.

Capabilities Are the Linchpin



Lowendahl, J-M. (2020) _Use Business
Capability Modeling to Drive Digital Business
Design in Higher Education_, Gartner
Research, Article ID #G00722622, available at
https://www.gartner.com/document/399083

Business Capability Heatmaps





Strategies

- 1. Broad scope here for what "strategy" means
- 2. Both sides of the door: inbound and outbound

...and:

3. Watch for the





How Should we Invest?

Sector Differential

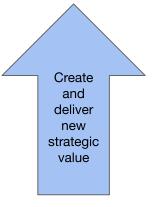
FACTORY

We will strive to do this differently and better than other universities do.

Innovation Differential

STRATEGIC

We will innovate and experiment with new ideas to discover and create new value.



Sector Operations

Every university must do these things: there is zero-to-low benefit being different here.

Business Operations

TURNAROUND

Every business needs to do these things: there is no benefit in being different here. Reduce cost and complexity

Improve operations and efficiency



HIGHER EDUCATION BUSINESS REFERENCE MODEL

CAUDIT

DESCRIPTION

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USAGE

The Business Capability Model serves as an anchor for assessing perspectives such as strategic importance, maturity, business operational pain points, capital investment, and organisation of structure. It presents a view of the organisation with traceability from business objectives through to the information, technology, and other resources required to support them.

MAJOR CONCEPTS

Typically an ORGANISATIONAL STRUCTURE would be included to provide context for the scope of the model.

VALUE CHAINS capture how the institution generates value through Learning & Teaching and Research.

CORE CAPABILITIES that directly support the Value Chains are organised under the relevant Value Chain Segment.

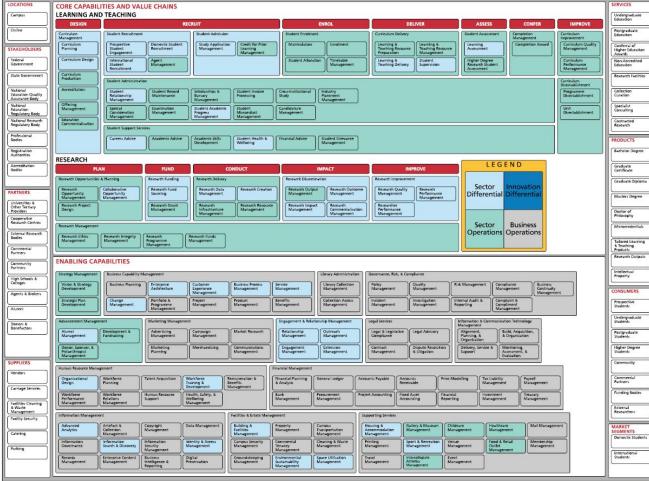
ENABLING CAPABILITIES support the core capabilities across the value chains and keep the institution running.

External LOCATIONS and STAKEHOLDERS provide additional influencing business context.

PARTNERS and SUPPLIERS indicate the entities outside the institution that provide necessary inputs to the institution. PRODUCTS and SERVICES are those outcomes

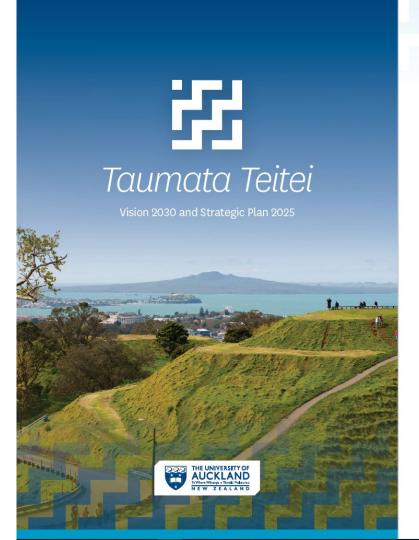
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Vice-Chancellor'sMessage

Whakataukī

Whāia te iti kahurangi, ki te tuohu koe Me he maunga teitei Seek the treasure which you value dearly If you should bow your head, let it be to a lofty mountain

The University of Auckland is located in Abassao. New Zasland, a Jaco of extraordismy beauty and diversity, where Milori are tangata whenua. From here, we reach out to the Pacific, to Asia and the World. Our enduring relationship with tangata whenua is based upon Te Tintio Walangi, an exemila part of our discriberates, and a key component of our new Vision 2030 and Strasepic Plan 2055.

I am pleased to commend to you this University of Auckland Vision and Strategy for the next. decade 2021–2030, Taumzatz Teitei, which can be interpreted from te reo Milori as pursuing excellence, despire uncertainty. It recognises the exciting challenges posed by the concerns of our ago and is a contemporary statement of our purpose, vision and values.

Alongaide our new Vision and Stratege, we are oc-creating a farmework titled Whijapa (based upon the Ngilt Whitaus Grateis gifted name for the Unkneint), Wolpapa Draumster Rozi). A framework that will sustain us beyond the 1-0-year Strategy, it elucidates ideas important to the University, including the principles of manaskitarga, kateiskitarga and wharausgitatings. Located within an interactive network of maunga (mountain) redolent of the many mountain peaks of Auckland, this iterative framework will act as a dislogue over successive years, supporting our actions, deleteations and outcomes, so as to benefit our students, staff and key communities.

Our common commitment to ecologically sustainable systems, equitable and just society, well-being for all, and a thriving economy based upon innovation, are therefore to be understood through the lens of this framework.

Taumata Teitei signals a strong commitment to excellence, sustainability, relevance, fairness and positive impact in all use do. It does this for the immediate communities of the University of Auckland, for Actearoa and the Pacific, as well as the global social and economic systems critical to integenerational equity, across the world. We promote a strategy that emphasises well-being, human value and the preservation and protection of our natural world. In short, our stratesy is for the world.

Consequently, we will sharpen our focus, prioritising our education and research efforts to improve insight and understanding of global concerns and opportunities, taking informed and positive action through ethical use of knowledge. We will do this across broad domains – geopolitical, environmental and resources; justice, equality and democracy, health and well-being, technology and digitisation – and, through these efforts, advance understanding of what is to be human, currious, flawed, insperious and interconnected,

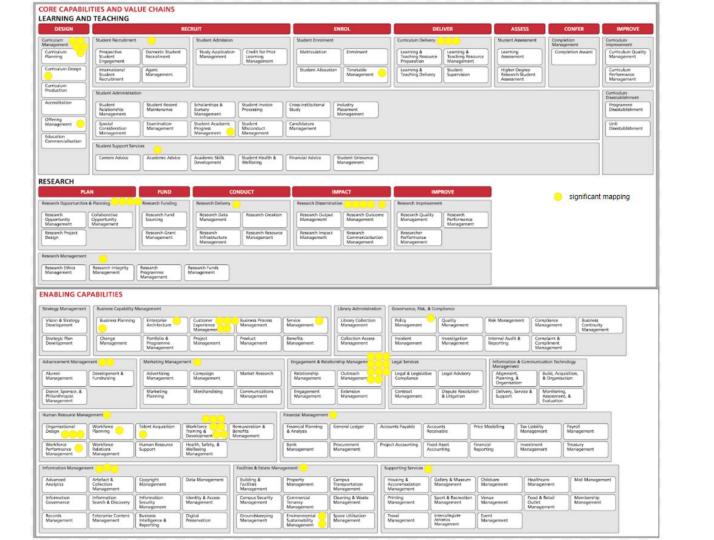
To realise these aspirations, we favour transdisciplinarity, noving collaboratively through our teaching and research, respectful of the complex abilities and needs of the diverse communities that we serve. We oc-create and disseminate knowledge within and beyond the academic, within is enabled through strong and meaningful engagement with students, staff and our partners, using open and responsive novel work practices such as design-thinking, codesign and co-production.

Mobilising to achieve our purpose in a world in flux is not without risk To succeed, we must be a strongly principled and values-led academic community, holding ourselves and our partners to values that support academic freedom, curiosity, research-driven knowledge, sustainability, impart and engagement. Paramount amongst these are the most human of values — openness, tolerance, fairness, trustworthiness and respect for each other and our ideas. Throughout the uncertainty and changes ahead, we will live our values and continue to reflect on them, as we, and our world, change.

The foci proposed in our new strategy will only be possible by working in ways that respectfully challenge old boundaries and assumptions, that require different behaviours. We will be recognised by our explicit collaboration with our students, staff and partners to understand their needs. aspirations and experiences. This collaboration will inform how we work, and our policies, processes, systems and decision-making. Importantly, through our lived values we will continue to demonstrate our belief in sustainable, fair and equitable societies. innovation-led economies, and to meeting our responsibilities to Māori. Pacific and students of all socio-economic backgrounds.



Professor Dawn Freshwater Vice-Chancellor The University of Auckland



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National Education

Vendors

Cutering



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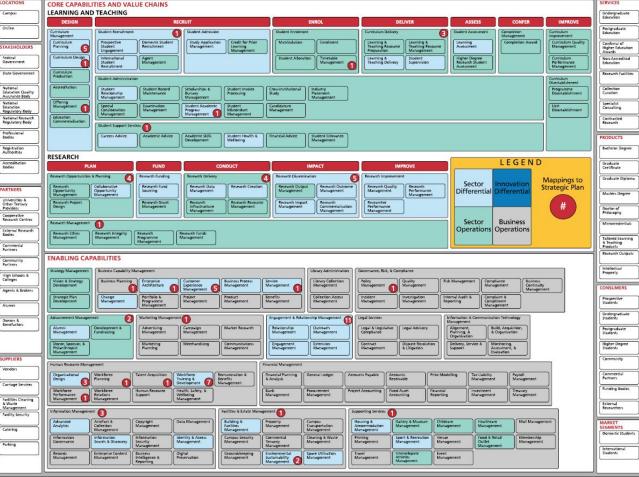
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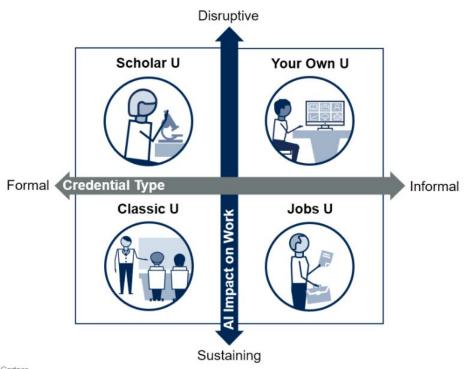
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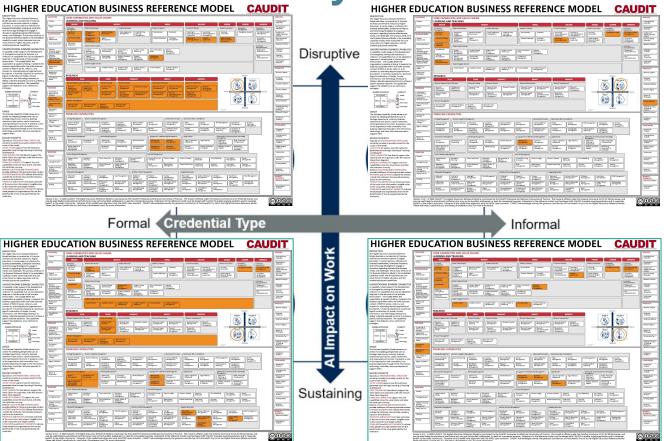
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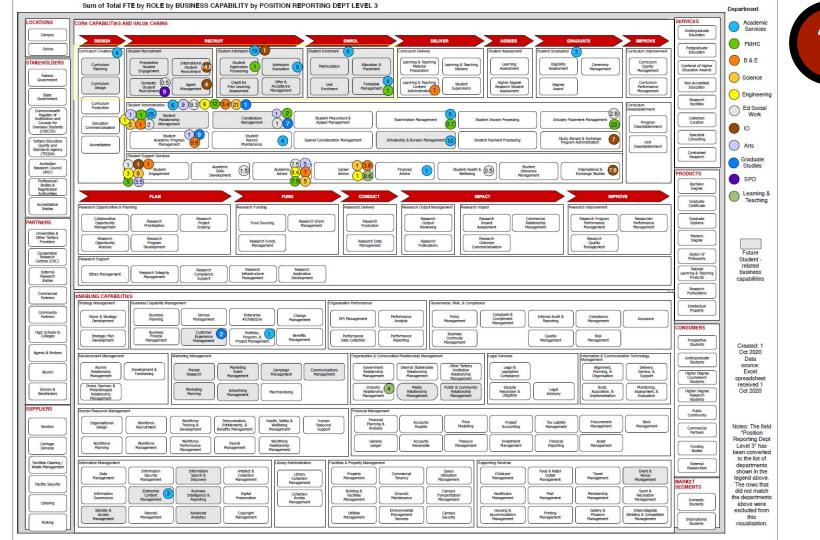
Higher Education Ecosystem 2030

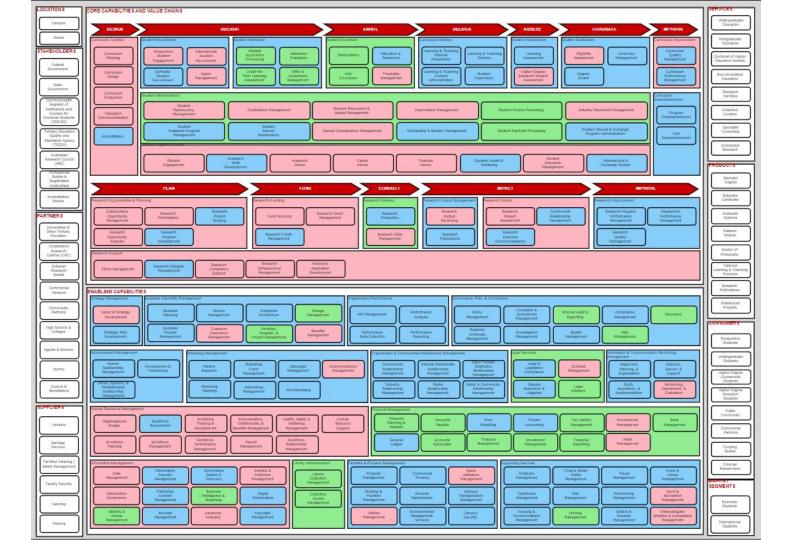


Source: Gartner ID: 407388 **Higher Education Ecosystem 2030**



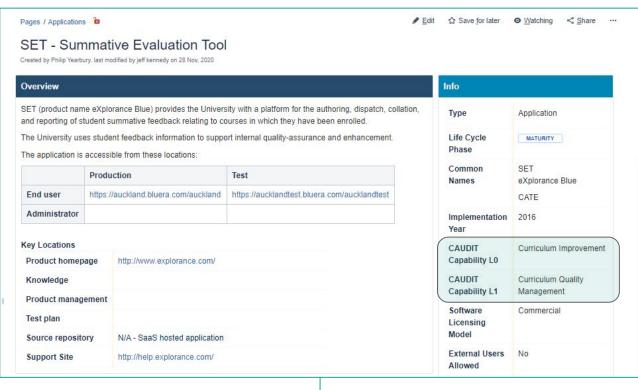


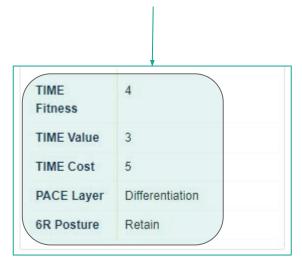




			Learning & Teaching	2.6	2.5	2.3	2.5	3.6	3.2	3.4	3.3	0.9			
			Research	2.8	2.2	2.0	1.8	4.0	3.2	3.5	3.3	1.3			
			Enabling	2.7	2.0	2.2	2.2	3.9	3.1	3.1	3.6	1.1			
			Overall	2.7	2.2	2.2		3.8	3.1	3.3	3.4	1.1			
			Delta				2.0	1.1	0.9	1.1	1.2				
			Delta		OL IDA			1-1			1.2				
					CUR	RENT			20	25		DELTA	STRATEGY?	FOCUS	INSPECT
Value Chain	Value Segment	Code	Capability Name	Pe	Pr	Te	In	Pe	Pr	Te	In	Shift	Mappings	Evaluate	Context
Learning & Teaching	Design	BC001	Curriculum Management	2	3	1	2	4	4	4	3	1.8	7	1.8	*
Learning & Teaching	Recruit	BC008	Student Recruitment	2	2	3	2	4	4	3	4	1.5	1	1.5	
Learning & Teaching	Recruit	BC014	Student Admission	3	3	3	3	4	3	4	3	0.5	1	0.5	
Learning & Teaching	Enrol	BC019	Student Enrolment	3	4	3	3	4	4	4	4	0.8	1	0.8	
Learning & Teaching	Deliver	BC023	Curriculum Delivery	2	2	4	3	4	3	4	4	1.0	3	1.0	
Learning & Teaching	Assess	BC028	Student Assessment	2	2	1	3	3	3	3	3	1.0	0		
Learning & Teaching	Confer	BC032	Completion Management	3	2	2	2	3	3	3	2	0.5	0		
Learning & Teaching	Recruit - Graduate	BC044	Student Administration	3	3	2	3	4	3	3	3	0.5	0		
Learning & Teaching	Recruit - Graduate	BC052	Student Support Services	3	2	2	2	4	3	3	4	1.3	1	1.3	
Learning & Teaching	Improve	BC038	Curriculum Improvement	3	2	2	2	3	3	3	3	0.8	0		
Learning & Teaching	Improve	BC041	Curriculum Disestablishment	3	2	2	3	3	2	3	3	0.3	0		
Research	Plan	BC065	Research Opportunities & Planning	3	2	2	2	4	4	4	4	1.8	4	1.8	*
Research	Fund	BC071	Research Funding	3	2	2	1	4	3	3	3	1.3	0		
Research	Conduct	BC074	Research Delivery	3	2	3	3	4	2	4	4	0.8	4	0.8	8
Research	Impact	BC086	Research Dissemination	3	2	1	1	4	3	3	3	1.5	5	1.5	*
Research	Improve	BC089	Research Improvement	3	3	2	2	4	3	3	3	0.8	0		
Research	Plan - Improve	BC093	Research Management	2	2	2	2	4	4	4	3	1.8	1	1.8	
		BC147	Strategy Management	2	2	1	2	3	2	1	4	0.8	0		
		BC206	Business Capability Management	2	1	1	2	4	3	3	4	2.0	8	2.0	*
		BC133	Library Administration	4	3	3	4	4	3	4	4	0.3	0		
		BC160	Governance, Risk, & Compliance	2	1	1	2	4	3	2	3	1.5	1	1.5	
		BC232	Advancement Management	3	2	4	3	4	3	4	4	0.8	2	0.8	
		BC107	Marketing Management	2	1	2	1	4	3	3	3	1.8	1	1.8	
		BC238	Engagement & Relationship Manager	2	2	4	2	4	4	4	4	1.5	11	1.5	*
		BC155	Legal Services	3	2	1	2	3	2	1	2	0.0	0		
		BC201	Information & Communication Techn	-	2	3	2	4	3	4	3	0.8			
		BC171	Human Resource Management	3	2	2	2	4	4	3	4	1.5		1.5	*
		BC184	Financial Management	3	4	3	3	4	4	4	4	0.8			
		BC135	Information Management	2	2	2	2	4	3	3	4	1.5	3	1.5	
		BC125	Facilities & Estate Management	3	2	2	2	4	3	4	4	1.5	1	1.5	
		BC114	Supporting Services	3	2	2	2	4	3	3	3	1.0		1.0	

Application Inventory



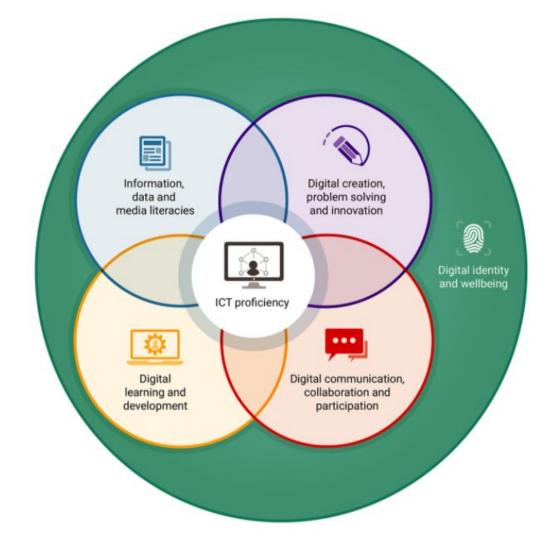


	1091	1091	218	131	666	76	49	0	220	64	75 2.1	2.0	414	109	375	190	270	
Scope	Delivery Team	Applications	Learning & Teaching	Research	Enabling	Unknown	Humar Fir	nanc Ir	form S	unno Fac	TIME iliti Fitness		INTRODUC GRO	OWTH	MATHERITY	DECLINE	DECOMMI	
	>> Unspecified <<			-		Officiown	1	0								DECENTE		
the second second second	ABI IT	52	8	10	32	2	4	0	9	0	0 2.2	100000	42	3		1	169	
o gamen and a control	Business Process Automation	6	0	3	0	3	0	0	0	0	0 2.5		6	0				
•		5	1	0	4	0	0	0	1	0	0 2.6		1	1	_	0		
	CAC	48	4	1	40	3	2	0	0	23	5 2.5	1000	19	3			12	
	Centre for Enablement	36	0	0	36	0	1	0	24	0	0 2.3		10	5		17	4	
	Centre for eResearch	5	0	4	0	1	0	0	0	0	0 3.0		4	1			0	
-	CLeaR	.5	4	0	0	1	0	0	0	0	0 2.4	1000	2	0		2	0	
	Cloud Services	19	2	0	16	1	0	0	16	0	0 3.4		11	2		1	1	
ne vene vene	Collaboration Services	29	2	0	23	4	1	0	15	0	0 3.0	4 4000	8	5				
	Connected Experiences	3	2	0	1	0	0	0	0	1	0 4.0	4.0	3	0	0	0	0	
Application Portfolio	CRM Services Team	7	4	0	3	0	1	0	0	0	0 3.6	2.6	5	1	1	0	0	
Technology Portfolio	Data Centre Services	6	0	0	6	0	0	0	4	0	2 2.5	1.8	3	0	3	0	0	
Technology Portfolio	Digital Workplace Platform Team	50	1	0	49	0	0	0	36	7	1 2.1	1.9	23	1	18	8	6	
Organisational Structure	Faculty Team 1	145	48	12	72	13	19	0	17	6	11 1.4	1.5	28	29	70	18	15	
Organisational Structure	Faculty Team 2	72	22	31	12	7	0	0	2	8	1 2.0	1.8	27	7	29	8	5	
Organisational Structure	Faculty Team 3	147	33	26	69	19	7	0	21	6	4 1.5	1.5	66	3	59	19	7	
Technology Portfolio	Files & Storage Services	29	3	1	24	1	0	0	24	0	0 2.3	3 2.1	3	0	8	18	1	
Business Capability	Financial Systems Support	19	0	1	18	0	1	0	0	5	1 2.7	7 2.3	5	0	10	4	1	
Business Capability	Human Resources	14	0	0	14	0	14	0	0	0	0 2.7	7 2.2	6	6	1	1	2	
Business Capability	Identity & Access Management	30	0	0	30	0	0	0	1	0	0 2.8	3.2	10	1	10	9	7	
Business Capability	Learning & Teaching	35	27	0	7	1	0	0	2	0	1 3.0	2.6	13	4	15	3	5	
Organisational Structure	Library	65	9	16	40	0	0	0	0	2	1 2.5	2.5	22	6	26	11	4	
Organisational Structure	Marketing Team	1	0	0	1	0	0	0	0	1	0 4.0	2.0	1	0	0	0	0	
Technology Portfolio	Networking Services	20	0	0	20	0	0	0	19	0	0 2.7	2.7	12	0	7	0	4	
Organisational Structure	Operational Security	27	0	0	27	0	0	0	5	0	0 2.9	2.5	16	1	8	2	0	
Organisational Structure	Planning & Reporting	6	0	0	6	0	0	0	0	0	0 3.2	2.7	2	0	3	1	0	
Business Capability	Property Services	49	0	0	49	0	1	0	0	0	47 2.0	2.2	16	7	11	14	11	
Technology Portfolio	Quality & Resilience Services	39	0	0	37	2	0	0	27	1	0 2.6	2.4	9	2	20	8	1	
Technology Portfolio	Research Management	12	0	11	1	0	1	0	0	0	0 2.5	2.4	8	1	0	3	0	
Application Portfolio	Service Management Team	2	0	0	2	0	0	0	2	0	0 2.5	2.5	0	1	1	0	1	
Business Capability	Student Management Services	47	39	0	7	1	0	0	1	3	1 1.9	2.1	11	9	16	11	4	
	Student Recruitment	5	5	0	0	0	0	0	0	0	0 2.2	2.8	3	0	0	2	0	
	UniServices	40	1	15	10	14	1	0	1	1	0 2.2	2.2	17	7	9	7	1	
The Tay of the Control of the Contro	USPO	1	0	0	1	0	0	0	0	0	0 3.0	2.0	0	1	0	0	0	
	Web	15	3	0	9	3	0	0	3	0	0 3.0	2.5	2	2	6	5	6	

Jisc

Jisc digital capabilities framework:
The six elements defined

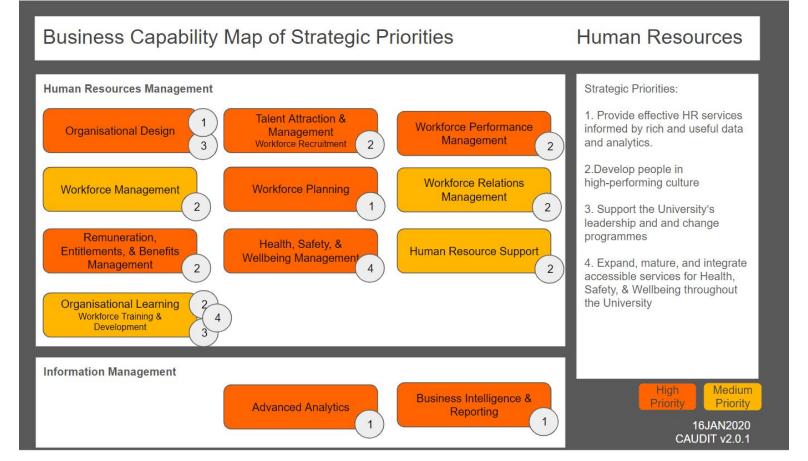




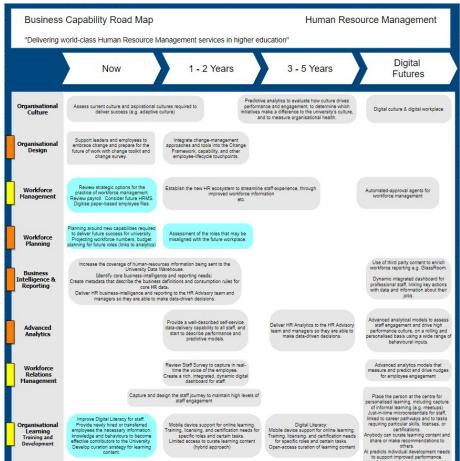
														?
						I	Learning & Teaching	202	33	37	35	31	29	37
							Research	132	19	25	23	21	17	27
							Enabling	324	57	41	67	61	41	57

								658	109	103	125	113	87	100000000000000000000000000000000000000
Capability Type	Capabil ity Level	T V		Value Chain Segment		Capability Name	Parent Capability	JISC	Digital identity and wellbeing	ICT Proficiency	Information, data, and media literacies	Digital creation, problem solving, and innovation	learning and	Digital communicati on, collaboration , and participation
Core		1 L	earning & Teac	Design	BC001	Curriculum C	reation	28	3	5	5	5	5	5
Core		1 L	earning & Teac	Recruit	BC008	Student Recr	uitment	28	5	5	5	5	3	5
Core		1 L	earning & Teac	Recruit	BC014	Student Admi	ission	14	1	3	3	3	1	3
Core		1 L	earning & Teac	Enrol	BC019	Student Enro	Iment	14	3	3	3	1	1	3
Core		1 L	earning & Teac	Deliver	BC023	Curriculum D	elivery	30	5	5	5	5	5	5
Core		1 L	earning & Teac	Assess	BC028	Student Asse	essment	24	5	5	5	3	3	3
Core		1 L	earning & Teac	Graduate	BC032	Student Grad	luation	8	3	1	1	1	1	1
Core		1 L	earning & Teac	Improve	BC038	Curriculum In	nprovement	18	1	3	3	3	5	3
Core		1 L	earning & Teac	Improve	BC041	Curriculum D	isestablishment	6	1	1	1	1	1	1
Core		1 L	earning & Teac	Recruit - Gradua	BC044	Student Admi	inistration	10	1	3	1	1	1	3
Core		1 L	earning & Teac	Recruit - Gradua	BC052	Student Supp	ort Services	22	5	3	3	3	3	5
Core		1 R	esearch	Plan	BC065	Research Op	portunities & Plannin	20	3	5	5	1	1	5
Core		1 R	esearch	Fund	BC071	Research Fur	nding	10	1	3	1	1	1	3
Core		1 R	esearch	Conduct	BC074	Research De	livery	28	5	5	5	5	3	5
Core		1 R	esearch	Impact	BC082	Research Ou	tput Management	10	1	3	3	1	1	1
Core		1 R	esearch	Impact	BC086	Research Imp	pact	14	1	3	3	3	1	3
Core		1 R	esearch	Improve	BC089	Research Imp	provement	24	3	3	3	5	5	5
Core		1 R	esearch	Plan - Improve	BC093	Research Su	pport	26	5	3	3	5	5	5

Business Capability Roadmaps / Strategy

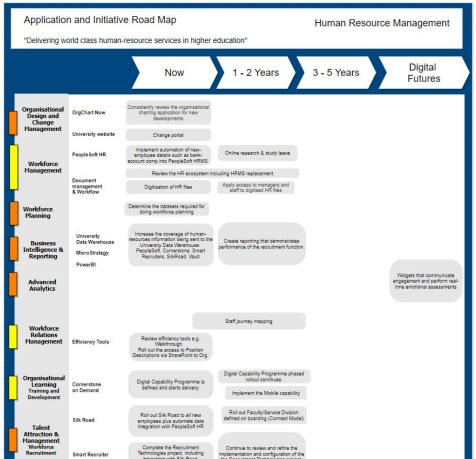


Business Capability Roadmaps / Increments

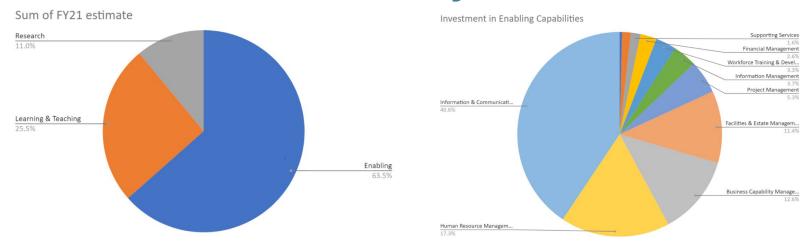


Business Capability Roadmaps / Initiatives





Investment Portfolio Analysis



- 78% of the combined strategic and digital portfolio is invested in either critical or high priorities from the business capability roadmaps;
- 19% is invested in medium priorities reflecting improved strategic-objectives planning in areas including ICT Management, Curriculum Design, Business Process Management, and Customer Experience Management;
- ...and just 3% is invested in capabilities with no identified priority, related to programme-delivery costs.

Closeout

- "Business Capability Models are the core foundation of enterprise architecture."
- > "Business-Capability-Driven enterprise architecture is the only true enterprise architecture!"
- > "Use business capabilities as the mechanism to identify and reconcile interdependent changes to successfully execute the digital strategy."
- > "Business capabilities are the foundation of digital competition."



Thank You

- > Please Stay in Touch Either directly or through the ITANA list or through the BAWG
- > With Sincere Appreciation for: Jim Phelps / University of Washington / ITANA Dana Miller / Miami University Ohio / IBAWG Karen Modena / La Trobe University / CAUDIT Nigel Foxwell / James Cook University / CAUDIT Nicola Jackson / The University of Auckland



Selected Background Materiel

Sites and Sources

- CAUDIT Enterprise Architecture Commons, https://caudit.edu.au/EA-Framework
- Nielsen Norman Group's service blueprint, https://www.nngroup.com/articles/service-blueprints-definition/
- JISC Digital Capabilities Framework, https://digitalcapability.jisc.ac.uk/
- The Open Group Guide to Business Capabilities, https://publications.opengroup.org/q189
- The Open Group Exploration & Mining Business Capability Reference Map, https://publications.opengroup.org/c143

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Itana Org Updates

- 1. Working Group Updates
 - a. Wiki Refresh Working Group
 - b. Women in EA Working Group
 - c. New2EA Working Group
 - d. API Working Group
 - e. Business Architecture Working Group
- 2. Steering Committee Update
 - a. Coaching and Mentoring

