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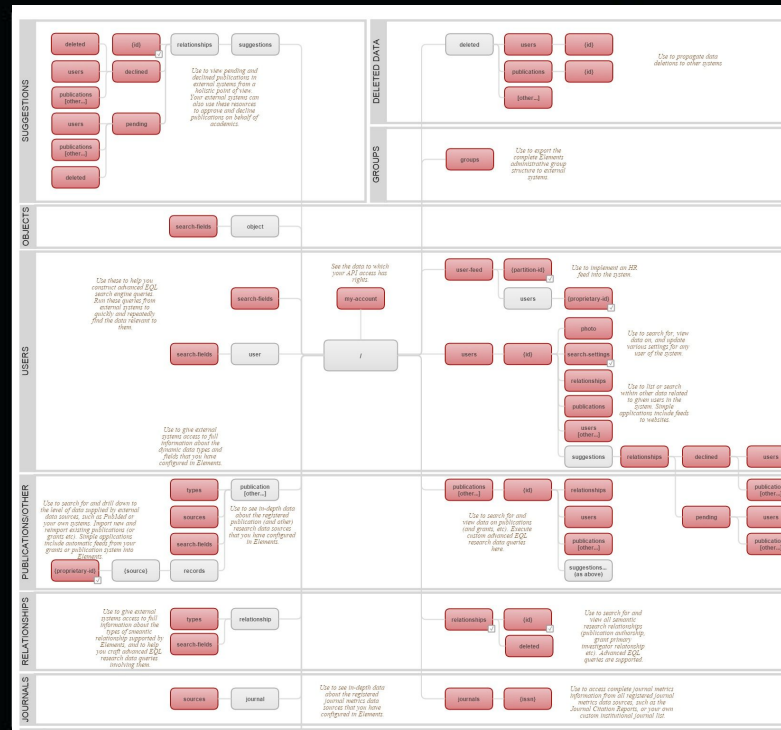# Going Public …
The Elements Discovery Module

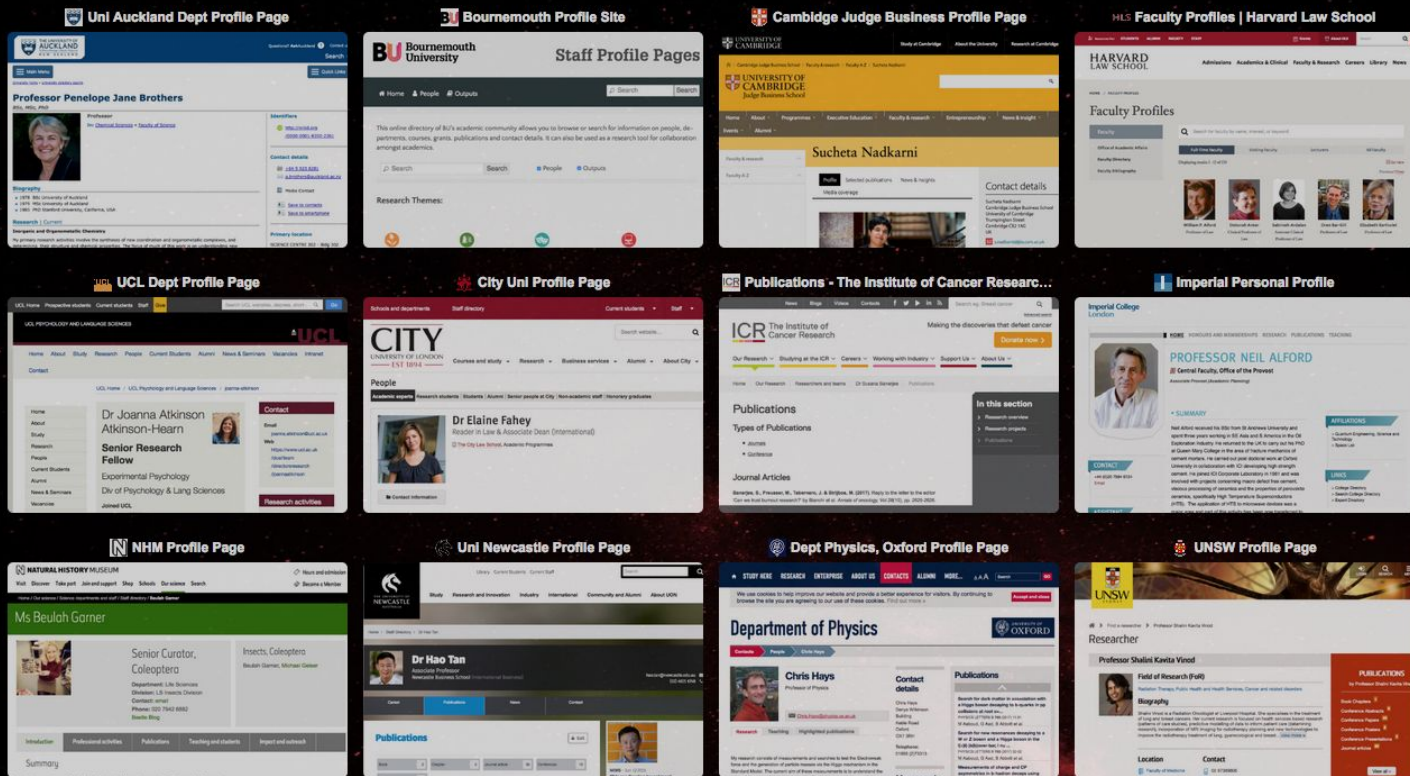Last updated: July 2018

Jonathan Breeze
CEO, Symplectic
ORCID: 0000-0003-2694-6729
@breezier

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Making Elements data public

- Symplectic's clients have been populating institutional web pages with data captured in Elements for many years

- There are lots of great examples of how the Elements API and/or the Elements Reporting database have been used by our clients to help populate public profile sites:

  - Content Management Systems
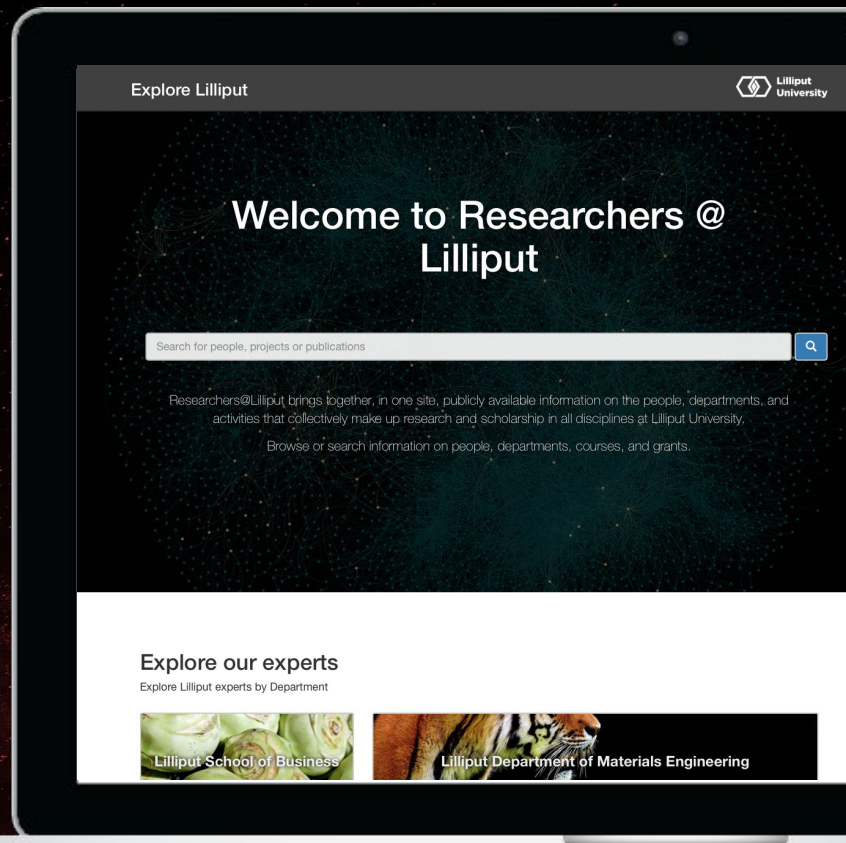
  - VIVO

  - Profiles RNS

  - Other 3rd party tools

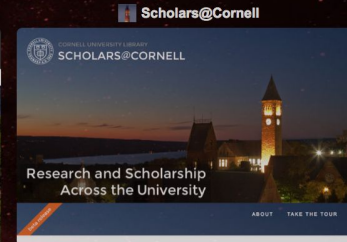# Example profile sites that use Elements API/Reporting DB

Uni Auckland Dept Profile Page · Bournemouth Profile Site · Cambridge Judge Business Profile Page · Faculty Profiles | Harvard Law School

UCL Dept Profile Page · City Uni Profile Page · Publications - The Institute of Cancer Research... · Imperial Personal Profile

NHM Profile Page · Uni Newcastle Profile Page · Dept Physics, Oxford Profile Page · UNSW Profile Page

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Some sites support Open Data

- Symplectic is a Registered Service Provider for VIVO

- In 2015 we developed a "VIVO harvester" to perform several functions:
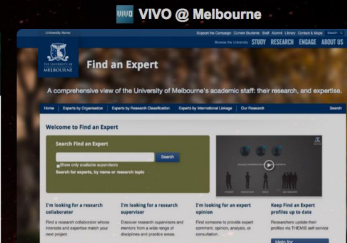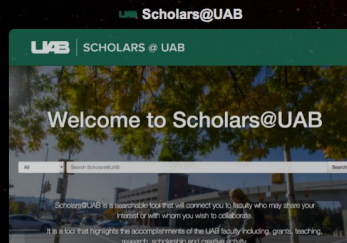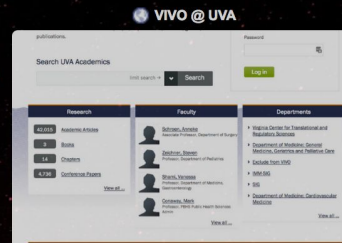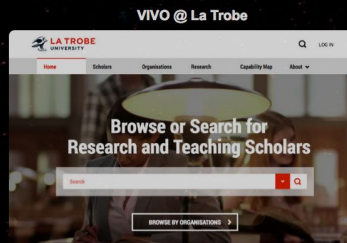
  - Harvest data from the Elements API

  - Translate the harvested data to a Vivo compatible RDF representation (triples)

  - Load those triples into a temporary triple store (Jena TDB)

  - Create changesets (diffs) to help speed up the transfer of data from Elements to VIVO

- In 2016 we also prototyped a mobile responsive theme for the VIVO community

Explore Lilliput   Lilliput University

Welcome to Researchers @ Lilliput

Search for people, projects or publications

Researchers@Lilliput brings together, in one site, publicly available information on the people, departments, and activities that collectively make up research and scholarship in all disciplines at Lilliput University.

Browse or search information on people, departments, courses, and grants.

Explore our experts
Explore Lilliput experts by Department

Lilliput School of Business   Lilliput Department of Materials Engineering

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Example VIVO sites supported by Symplectic

VIVO @ La Trobe

VIVO @ McMaster

VIVO @ UVA

VIVO @ Berkeley Lab

Scholars@UAB

Private VIVO @ Cambridge

VIVO @ Woods Hole

VIVO @ Melbourne

VIVO @ TAMU

VIVO @ Duke

VIVO @ CU Boulder

Scholars@Cornell

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LA TROBE UNIVERSITY
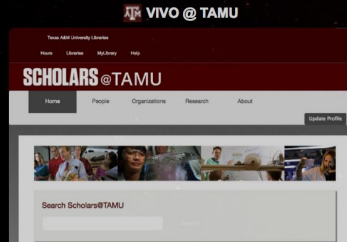
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But, not all our clients have sufficient IT capacity to develop and maintain their own profile system
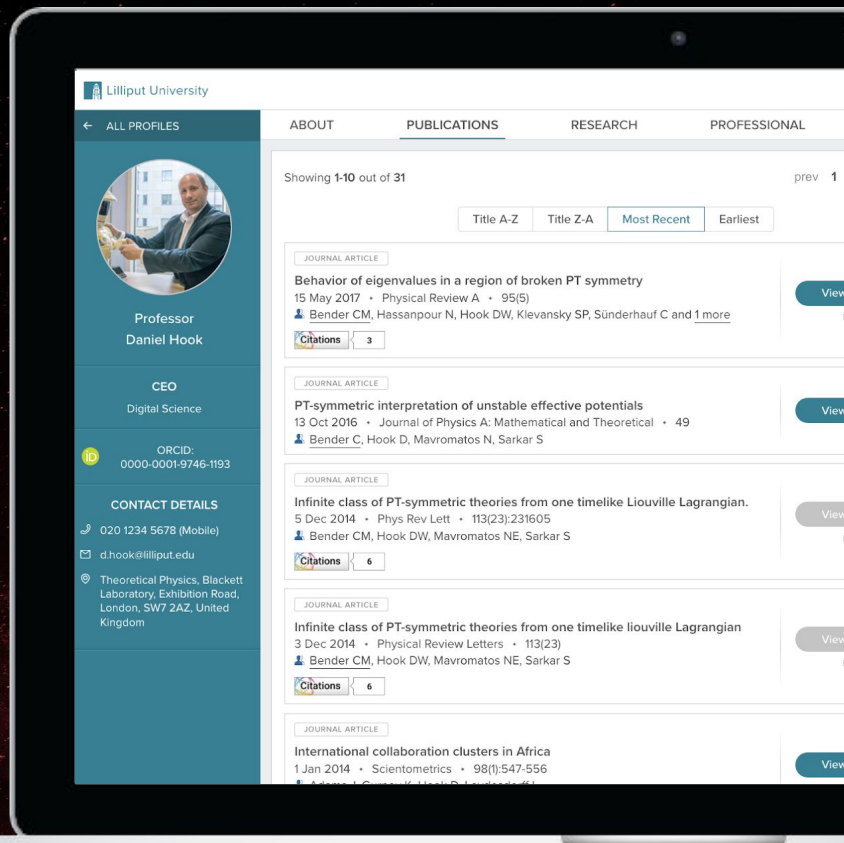
Our Discovery Module

- The Elements Discovery module is a new search and discovery layer for your existing Elements user profiles

- In developing the module, we have tried to minimise the effort required to create a professional, scalable and easily maintained public presence

- The Discovery Module is a further option for institutions to surface researcher data from Elements publicly and will sit alongside Elements' existing ability to supply data to other public facing web pages and/or VIVO

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Key Features

- Research profile centric design: emphasis on showcasing breadth of researcher expertise

- 1-click access to full-text PDFs for both Open Access & your repository content

- < 1 Hour data refreshes (from Elements)

- Works natively with your Elements data types

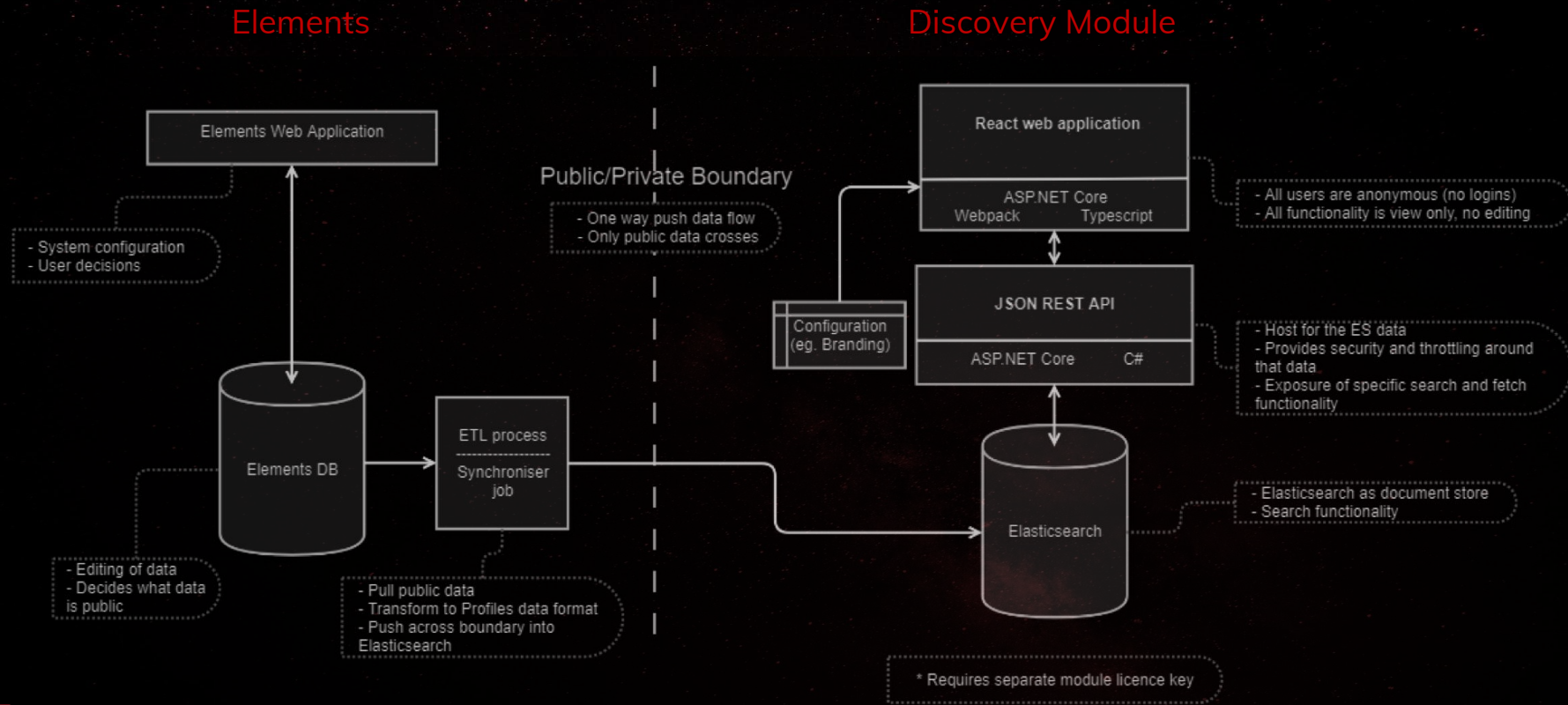- No downtime required for upgrades

- Mobile responsive design

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Going public means your data must also remain private

- For security reasons the Discovery Module belongs to a completely new and separate set of components to the rest of Elements: a public facing sub-system

- Elements allows institutions to control which researchers do/don't have a public profile

- The Discovery module also respects the data privacy settings applied by researchers in Elements (e.g. setting phone numbers to 'private' will mean they are not displayed in the public profile)
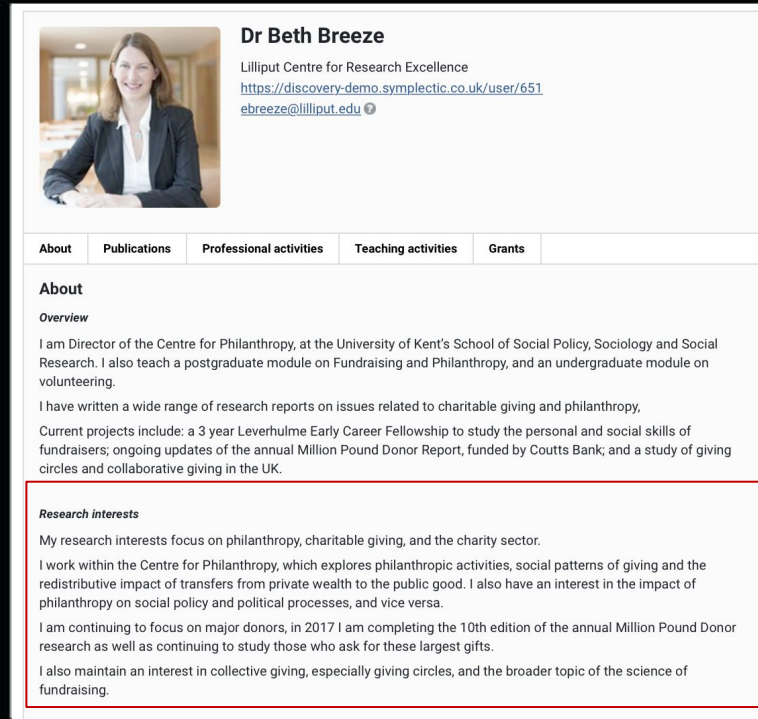

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Extended Elements Architecture

Elements

Discovery Module

Public/Private Boundary

Elements Web Application

- One way push data flow
- Only public data crosses

- System configuration
- User decisions

Elements DB

ETL process

Synchroniser job

- Editing of data
- Decides what data is public

- Pull public data
- Transform to Profiles data format
- Push across boundary into Elasticsearch

React web application

ASP.NET Core
Webpack   Typescript

- All users are anonymous (no logins)
- All functionality is view only, no editing

Configuration (eg. Branding)

JSON REST API

ASP.NET Core   C#

- Host for the ES data
- Provides security and throttling around that data
- Exposure of specific search and fetch functionality

Elasticsearch

- Elasticsearch as document store
- Search functionality

* Requires separate module licence key

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Changes to the Elements Profile

- In readiness for the release of the Discovery module, we introduced a number of new fields to the Elements user profile e.g.

  - Research Interests section

  - Teaching Summary section

- We revisited the overall user experience associated with recording information in the Elements profile … including privacy settings

- We've also introduced a concept of 'characteristic fields' that will be used to display Grants, PAs and TAs publicly

Dr Beth Breeze

Lilliput Centre for Research Excellence
https://discovery-demo.symplectic.co.uk/user/651
ebreeze@lilliput.edu

| About | Publications | Professional activities | Teaching activities | Grants |

About

Overview

I am Director of the Centre for Philanthropy, at the University of Kent's School of Social Policy, Sociology and Social Research. I also teach a postgraduate module on Fundraising and Philanthropy, and an undergraduate module on volunteering.

I have written a wide range of research reports on issues related to charitable giving and philanthropy,

Current projects include: a 3 year Leverhulme Early Career Fellowship to study the personal and social skills of fundraisers; ongoing updates of the annual Million Pound Donor Report, funded by Coutts Bank; and a study of giving circles and collaborative giving in the UK.

Research interests

My research interests focus on philanthropy, charitable giving, and the charity sector.

I work within the Centre for Philanthropy, which explores philanthropic activities, social patterns of giving and the redistributive impact of transfers from private wealth to the public good. I also have an interest in the impact of philanthropy on social policy and political processes, and vice versa.

I am continuing to focus on major donors, in 2017 I am completing the 10th edition of the annual Million Pound Donor research as well as continuing to study those who ask for these largest gifts.

I also maintain an interest in collective giving, especially giving circles, and the broader topic of the science of fundraising.

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So, time for a demonstration

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Visit https://people.ucd.ie/

Released in June 2018

- In the first instance, Symplectic will act as hosting provider for all Discovery module servers

- Hosting of Discovery module will be included as part of our standard Elements hosting provision*

- A small one-time set-up fee for branding/configuration may be required

- Later in the year, we plan to introduce a separate service for clients that don't use Symplectic to host their Elements system. Symplectic will ask those clients to cover costs of the Discovery Module server

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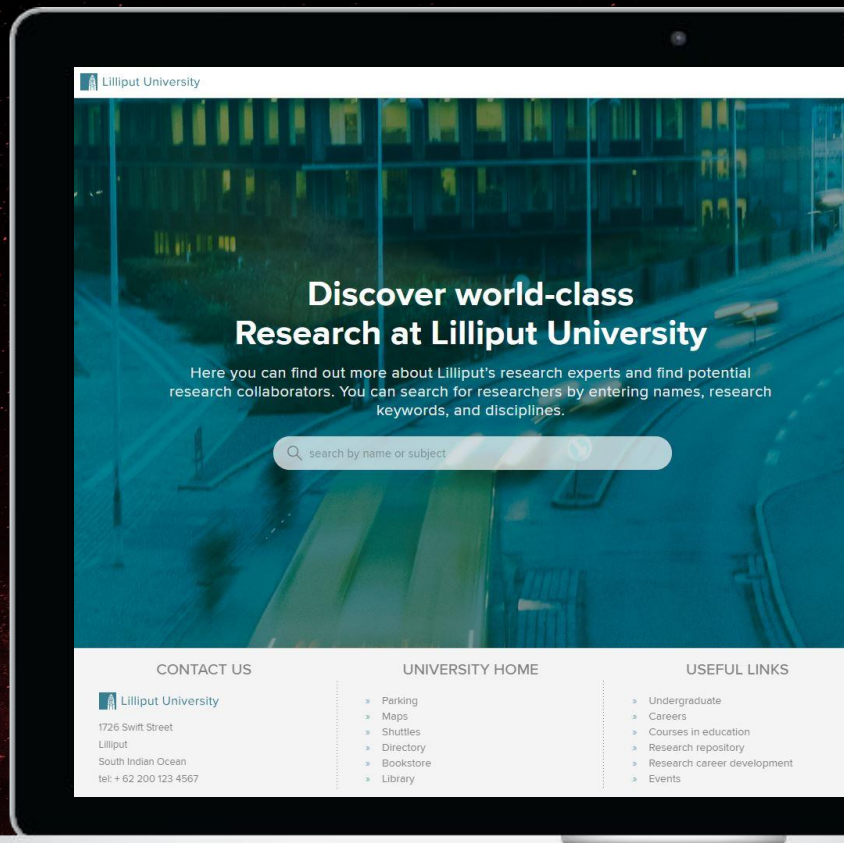
Coming soon!

1. It will be possible to prioritise the display of publications on a researcher's Discovery Module profile based on 'favourites' set in Elements
   - Configuration will allow your organisation to choose the term used for favourites. For example, "Selected" or "Highlighted" or "Featured"

2. We will allow clients greater control of the 'types' of data pushed to the Discovery Module (e.g. ability to exclude certain Professional Activity types).

3. We will improve the current search results page, by indexing and surfacing more data

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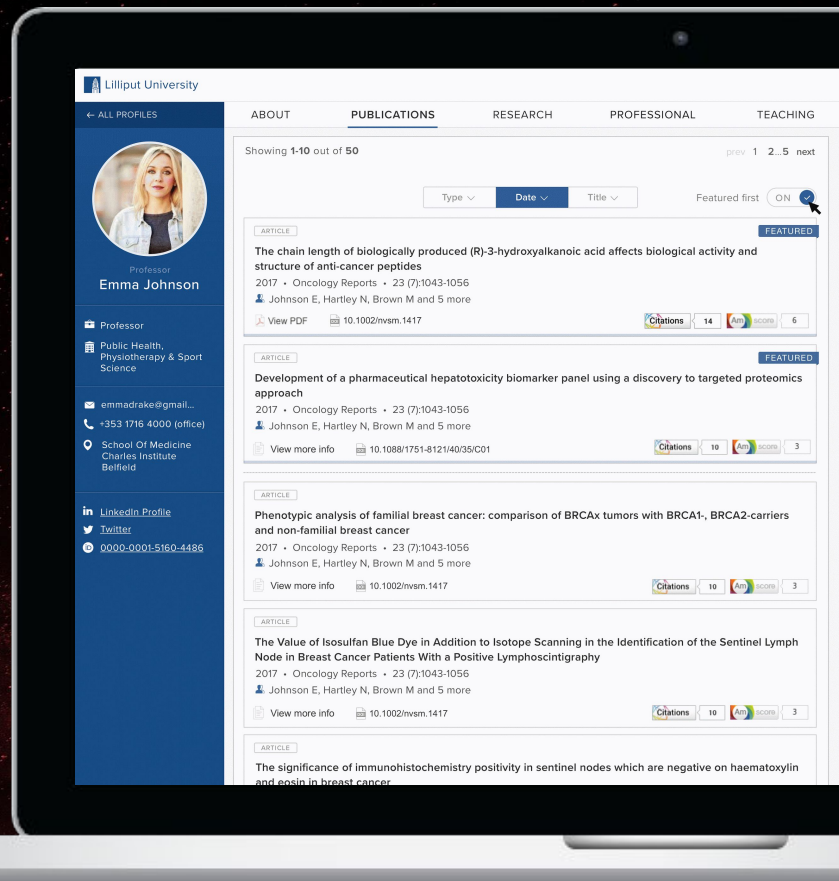
We've hardly started!

- Symplectic are committed to extending the features and functionality of the Discovery module

- We've already received a whole load of ideas from Researchers and Students from our Development Partners, which will inform our development roadmap

- Our product and development team have worked hard to release the Discovery Module this year and we look forward to hearing your own thoughts on this exciting extension to Elements

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Thank you and please do get in touch!

enquiries@symplectic.co.uk

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