



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

DARAT

Disability Accessible Research Archive @
Trinity College Dublin

CRIS2018 – Ashling Hayes, Kevin Kiely & Edurne Garcia-Iriarte

Background

Convention on the Rights of Persons with Disabilities (CRPD) (United Nations, 2006)

European Accessibility Act by the European Commission

**develop information and communication in accessible formats
for people with disabilities**

**Trinity College Dublin (TCD), Ireland's leading university, prides itself as
pioneer in inclusive education and inclusive research projects**

**However, there is no systematic approach to accessible research
dissemination**

Aims

The aim of the project was to develop an accessible archive of disability research conducted at TCD

Disability research projects would be listed with interactive links to each specific project incorporate two features that will ensure accessibility of the information:

- a) short video where the project is explained in plain English with an Irish Sign Language (ISL) video interpretation**
- b) easy to read project abstract. These features can be used depending on the users' needs.**

This aim built on previous work by Edurne Garcia Iriarte who organised three successful disability research seminar series in 2012, 2013 and 2014-2015 at TCD.

Developing Trinity College Dublin's Linked CRIS and Institutional repository to create an Open Access disability accessible archive

- **December 2015 – Proposal put forward By Edurne Garcia-Iriarte to the Trinity College Dublin Equality Fund**
- **Aim: Develop an accessible archive of Disability Research Conducted at TCD**
- **January 2016 - Awarded €1000 to develop the archive**
- **€1000!**
- **Enter the Research Information Systems Team.**

About the systems

TCD CRIS – Known as the RSS (Research Support System) is a locally developed web-based enterprise system that has been running since 2002

Institutional Repository – Known as TARA (Trinity's Access to Research Archive) was setup in 2006

The 2 Systems were linked from the start

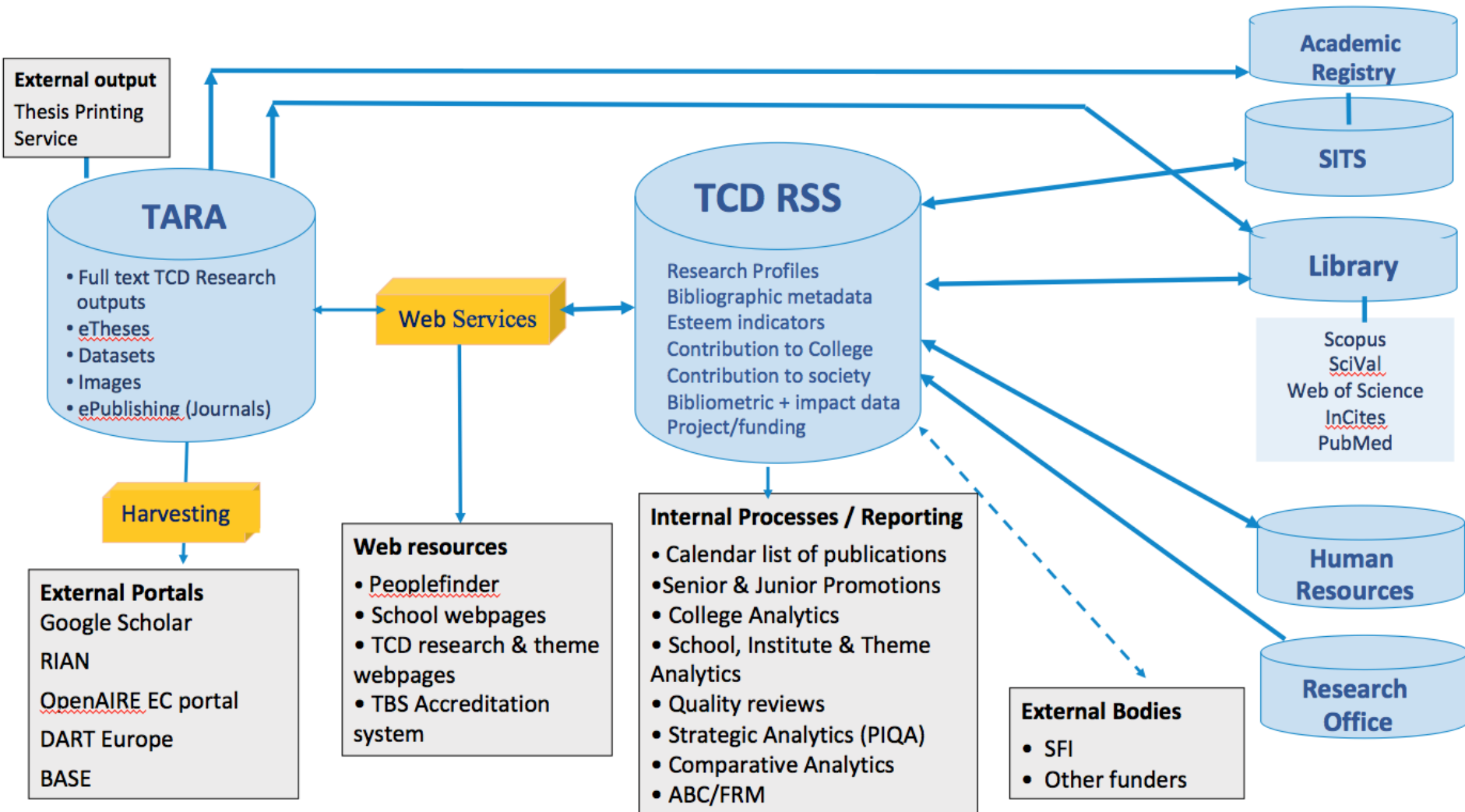
Business case for using these systems

The RSS and TARA are systems which are already being used by TCD academics to manage research information

Enterprise web systems

Embedded into academic research cycle

TCD INTEGRATED RESEARCH INFORMATION SYSTEMS





Menu



TRINITY COLLEGE DUBLIN
COLÁISTE NA TRÍONÓIDE, BAILE ÁTHA CLIATH

THE
UNIVERSITY
OF DUBLIN

Research Support System

RSS Launcher

CV

[Your CV](#)



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[Your Projects](#)

T

[Your Research Themes](#)



[Person Search](#)



[Your Reports](#)

M

[Main Menu](#)



[Import Your Publications and Other Research Outputs](#)

RQM

[RQM](#)



[Submit an E-Thesis](#)



[E-Theses](#)

rss.tcd.ie

- Fully integrated with Research Support System
- Added value to information in both systems

Search



[Advanced Search](#)

BROWSE

All of TARA

Academic/Research Unit &
Collections

Titles

Authors

Date of Publication

Subjects

Sponsor

DISCOVER

Author

Rae, Edwin (2639)

Met Éireann (705)

Ireland. Health Information and
Quality Authority. Regulation
Directorate. (641)

Trinity's Scholarly Publications

Click the image to view all open access publications by TCD authors or view by academic unit by clicking the link on the left menu bar.



Céad Míle Fáilte...

TARA is an open access repository, which means that the full text of the work deposited here is freely accessible to the world via the web. Access is restricted only in unavoidable instances, for example where publisher copyright restrictions prevail. However over 90% of scholarly publishers worldwide now allow some version of the documents they publish to be made available in a repository such as this.

About ...



<http://www.tara.tcd.ie>

Business Case

Dspace repository

Using the repository utilises existing archiving technology

- Permanent identifiers
- Digital preservation

Situating the archive in TARA means the outputs are available on Open Access

Business case – Link to library strategic plan

Willingness to absorb the development costs into current development budgets

- **Priority 2 – Integrated Digital Plan**
 - “Develop digital tools to enhance discoverability of the content”
- **Priority 3 – Integration into Teaching, Learning & Research**
 - “Develop new partnerships across the academic community”

Business case – Link to University strategic plan

- **Goal 6 – Research for impact**
 - “enhance facilities in the Library to allow for greater global access to the research collections”
- **Goal 7 – Engage wider society**
 - “Staff Engagement in the Public Square”
- **Goal 8 – Demonstrate institutional leadership**
 - “ensuring that diversity is promoted and celebrated”

Requirements for the systems

- **Each Research Output was to be accompanied by**
 - A plain English summary
 - Irish sign Language (ISL) with Audio
- **Each Output must be tagged with tags from 2 categories**
 - Thematic Tags
 - Impairment Tags
- **Items not Tagged would not be eligible for inclusion in DARAT**
- **Items in the DARAT archive would need to have specific icons and item descriptions to indicate the different file types**

Development

Separate systems with separate development teams

- **RSS – Internal team situated in TCD IT services**
- **TARA – Managed service provided by an external development team**
 - Enovation solutions
- **Parallel to this – Edurne headed the team which developed the DARAT manual, system for producing the ISL with audio videos and selected the tags to be used.**

Research Support System Development

Research Support System would handle the tagging

Embedded an accessibility tab into the RSS publication workflow – available to all users entering publications in the RSS

Only publications which were tagged correctly were eligible for the archive

New mapping between RSS XML and Dublin Core

Publication Accessibility Features

https://tcdlocalportal.tcd.ie/pls/webapps/cerif/cerif_publication_utils.select_accessibility?

Research Support System

Select Accessible Features

[Main](#) [Themes](#) [Keywords](#) [Tags](#) [Institutes](#) [Sponsors](#) [Identifiers](#) [Languages](#) [Sources](#) [Related IDs](#) **ACCESSIBILITY** [Share TARA](#) [Publications](#) [CV](#)

[Next Step >](#) [Cancel](#)

Accessible features for "Broad screening and identification of β^2 -agonists in feed and animal body fluid and tissues using ultra-high performance liquid chromatography-quadrupole-orbitrap high resolution mass spectrometry combined with spectra library search"

All three of the following criteria must be fulfilled before your research work can be considered accessible:

- * Plain English Summary [Click here for instructions](#)
- * Irish Sign Language Presentation [Click here for example](#)
- * Plain English Presentation [Click here for instructions](#)

☒ I'm ready to upload all three files above to TARA

You must select at least one tag from each category (Impairment based and Thematic) to make it easier for relevant research to be found

Impairment Based Tags

☒ Age-related disability	☐ Intellectual Disability
☐ Autism Spectrum Disorders	☐ Mental Health problems/psychosocial disability
☐ Brain injury	☐ Mobility impairment
☐ Chronic health condition	☐ Other
☒ Deaf	☐ Physical Disability
☐ Disability	☒ Sensory Impairment
☐ Emotional-behavioral problems	☐ Specific learning difficulties
☐ Epilepsy	☐ Stroke
☒ Hearing impairment	☐ Visual impairment

Thematic Tags

☒ Accessibility	☐ History
☒ Attitudes	☒ Home and community living
☐ Advocacy and political participation	☐ Justice and safeguarding
☒ Carers	☐ Legislation
☐ Children	☐ Literature
☒ Community	☐ Policy
☒ Communication	☐ Poverty
☒ Culture	☐ Relationships
☐ Development	☒ Social exclusion
☐ Education	☒ Social participation
☐ Employment	☒ Social services, interventions and supports
☐ Environment and housing	☐ Sports
☐ Gender	☒ Third age/ageing
☐ Globalization	☐ Transport
☒ Health	☐ Youth

KEVIN KIELY

Tick box is greyed out unless tags from both categories are selected

2 types of tags
Impairment based
Thematic

When both tags and the tickbox are selected the RSS sends the information to TARA during the upload.

TARA Development

- **Map items based on information received from RSS into DARAT archive as well as the appropriate school collection(s)**
- **Add options to the description drop down box on the upload file screen in the submission process.**
- **The descriptions of the accessible files are:**
 - **Plain English Summary**
 - **Irish Sign Language Presentation**
- **These options should only be listed if <rss_accessible_feature> contains 'Y'**
- **Added icons to describe the file types specific to DARAT items.**
 - **Sclera icons**



Specific message
only appears for
items which have
appropriate tags



Item submission

[Describe](#)[Describe](#)[Upload](#)[Access Rights](#)[Review](#)[License](#)[Complete](#)

To have your research included in the Trinity Disability Accessible Research Archive (DARAT) you must upload 3 select the appropriate description from them in the dropdown box.

1. The full text of your research output
2. A plain english summary
3. Audio, ISL and video presentation

Upload File(s)

File: *

No file chosen

Select Description:

- ☒ Published (publisher's copy)
- ☐ Published (author's copy) - Peer Reviewed
- ☐ Accepted for publication (author's copy) - Peer Reviewed
- ☐ Pre-print (author's copy) - Non-Peer Reviewed
- ☐ Plain English Summary
- ☐ Audio, ISL and video presentation
- Other (enter in the field below)

[Add another file](#)

2 new file types –
only appear for
items with the
appropriate tags.

BROWSE

All of TARA

Academic/Research Units &
Collections

Titles

Authors

Date of Publication

Titles

Authors

Search



- ☒ Search TARA
- ☐ This Collection

Advanced Search

BROWSE

All of TARA

Icons represent the different file types

Date of Publication

Subjects

Sponsor

This Collection

Titles

Authors

Date of Publication

Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements



File Type:

Unknown

Item Type:

Journal Article

Date:

2016

Author:

[GARCIA IRIARTE, EDURNE](#)

Access:

openAccess

Citation:

McConkey, Roy; Keogh, Fiona; Bunting, Brendan; Garcia Iriarte, Edurne; Flatman Watson, Sheelah, Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements, *Journal of Intellectual Disabilities*, 2016, 1 - 12



Download Item:



[2016 NE 2.mp4](#) (Audio, ISL and video presentation) 29.69Mb



[McConkey et al. 2016 JID\[1\].pdf](#) (PDF) 149.6Kb



[McConkey.docx](#) (Plain English Summary) 15.15Kb

URI:

<http://hdl.handle.net/2262/82695>

Author's Homepage:

<http://people.tcd.ie/iriartee>

User Acceptance testing

Conducted with members of the public who had one or more of the following disabilities

- Intellectual disability
- Hearing Impairment
- Visual Impairment

Participants were shown the test homepage for the collection and asked to navigate to an item and use the resources

Feedback was collected in real time as testers navigated the pages.

Overall the results were good with users finding the page easy to navigate and the accessible resources understandable

Screen readers

However there was a problem with screen readers used by people with Visual impairments

**Dspace strives to meet Web Content Accessibility Guidelines (WCAG) -
-compliance is listed in the code contribution guidelines**

However local changes might render it non-compliant

Diagnostics

WAVE – Web Accessibility Evaluation Tool

<https://wave.webaim.org/>

It showed a number of errors

Icons and images added to improve accessibility for people with intellectual disabilities could not be read by a screen reader

The contrast in the colour scheme used on TARA was also flagged as a possible issue

Due to budgetary reasons – focused on the areas which were blocking screen readers

Search 

☒ Search TARA
☐ This Collection

Advanced Search

BROWSE

All of TARA

- Academic/Research Units & Collections
- Titles
- Authors
- Date of Publication
- Subjects
- Sponsor

Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements



 SHARE   

File Type:
Unknown

Item Type:
Journal Article

Date:
2016

Author:
GARCIA IRIARTE, EDURNE

Access:
openAccess

Citation:

McConkey, Roy; Keogh, Fiona; Bunting, Brendan; Garcia Iriarte, Edurne; Flatman Watson, Sheelah, Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements, *Journal of Intellectual Disabilities*, 2016, 1 - 12

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Images had been added to make the item page more accessible to people with an intellectual disability
These could not be read by screen readers

Search



- ☒ Search TARA
- ☐ This Collection

Advanced Search

BROWSE

All of TARA

Academic/Research Units & Collections

Titles

Authors

Date of Publication

Subjects

Sponsor

This Collection

Titles

Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements

OPEN ACCESS



Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License

SHARE

File Type:

Unknown

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Journal Article

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2016

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GARCIA IRIARTE, EDURNE

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Author's Homepage:

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Description:

PUBLISHED

10.1177/1744629515624639



Referenced in 1 policy sources
Tweeted by 1
28 readers on Mendeley

Alternative Text was added to all icons

Sponsor

STATISTICS

View Google Analytics Statistics

- ☒ Search TARA
- ☐ This Collection

[Advanced Search](#)

[BROWSE](#)

All of TARA

Academic/Research Units & Collections

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Sponsor

This Collection

Titles

Authors

Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements

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SHARE



*Share this page with
addthis.com*



Thumbnail



File Type:

Unknown



Item Type:

Journal Article



Date:

2016



Author:

GARCIA IRIARTE, EDURNE



Access:

openAccess

Citation:

McConkey, Roy; Keogh, Fiona; Bunting, Brendan; Garcia Iriarte, Edurne; Flatman Watson, Sheelah, Relocating people with intellectual disability to new accommodation and support settings: Contrasts between personalised arrangements and group home placements, *Journal of Intellectual Disabilities*, 2016, 1 - 12



Download Item:



Link to the Irish Sign Language and Audio Presentation 2016 NE 2.mp4

(Audio, ISL and video presentation) 29.69Mb



Link to the full text item McConkey et al. 2016 JID[1].pdf (PDF) 149.6Kb



Link to the plain English summary McConkey.docx (Plain English

Summary) 15.15Kb

URI:

<http://hdl.handle.net/2262/82695>

Promotion and gaining buy in

To promote the project and help with main streaming a submission guide was created

- **Each Research Output was to be accompanied by**
 - A plain English summary
 - Irish sign Language (ISL) with Audio

Instructions on who to contact to create videos

Information on the tags and how to choose the appropriate ones for your research output

Promotion

Soft promotion – researchers are already using the RSS tabs to enhance their research outputs

Adding submission guide here gave them a chance to explore the idea at their leisure

Video Tutorial

Targeting Researchers with interests in this area

- **Trinity Centre for Social Innovation**
- **School of Education**

Link to funding impact

Increased need by researchers to show engagement and impact outside of traditional bibliometric impact

Embedded accessibility tab into the RSS publication workflow – available to all users entering publications in the RSS



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Research Support System



[Portal Home](#) [Port](#)

[Main](#)

[Themes](#)

[Keywords](#)

[Tags](#)

[Institutes](#)

[Sponsors](#)

[Identifiers](#)

[Languages](#)

[Sources](#)

[Related IDs](#)

[ACCESSIBILITY](#)

[Share](#)

[TARA](#)

[Publications](#)

[CV](#)

DARAT Accessible Features for "'Teachers matter': The impact of the introductory mandatory reporting on teacher training and education"

The following two criteria must be fulfilled before your research work can be considered accessible:

- Plain English Summary
- Video presentation (ISL version and audio version)

[Click here to download the DARAT guidelines](#)

☐

I'm ready to upload both files above to TARA

You must select at least one thematic tag to make it easier for relevant research to be found

Impairment/Disability Based Tags

☐ Age-related disability	☐ Mental Health/Psychosocial disability
☐ Autistic Spectrum disorders	☐ Mobility impairment
☐ Brain Injury	☐ Other
☐ Chronic Health Condition	☐ Physical disability
☐ Emotional-behavioural Problems	☐ Sensory impairment
☐ Epilepsy	☐ Specific learning difficulties
☐ Hearing impairment	☐ Stroke
☐ Intellectual Disability	☐ Visual impairment

Thematic Tags

☐ Accessibility	☐ Health
--	---------------------------------

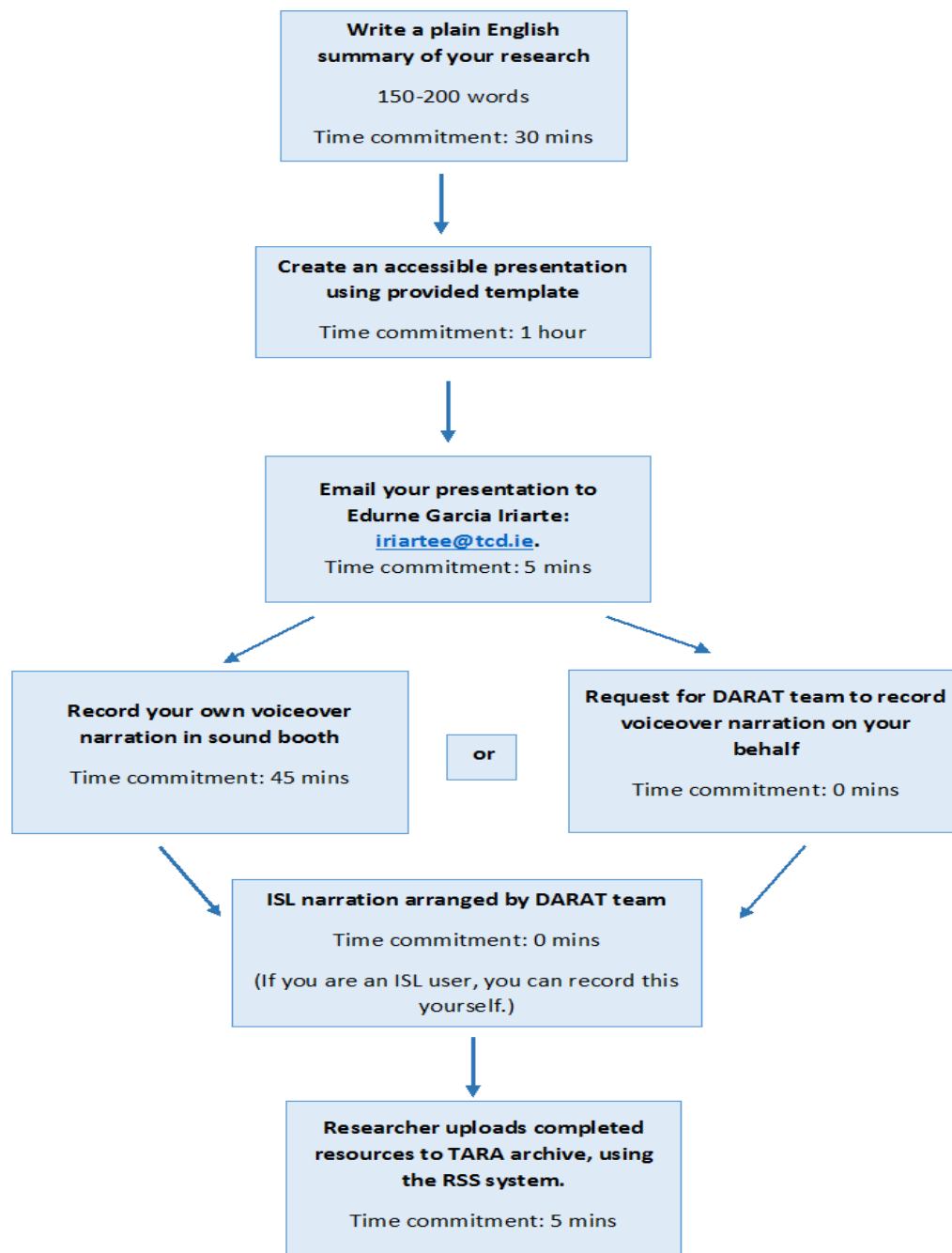
results

Project went live in December 2016

Queue of 120 papers waiting to be added to the archive

Response from researchers

- Willingness to make all of their papers accessible**



Moving forward

Queue of 120 papers!

Secure funding needs to be secured for developing videos with ISL and Audio features

Full WCAG 2.0 accessibility for TARA

- Funding also needs to be secured for this.

The DARAT Team

Ashling Hayes – TARA Content Manager

Kevin Kiely – Senior RSS Developer

Niamh Brennan – Head of Research Information Services

Andrew Costelloe – Disability Services

Dr. Edurne Garcia Iriarte, School of Social Work and Social Policy

Dr. Michael Feely, School of Social Work and Social Policy

Dr. Patricia McCarthy, School of Education

Dr. John Conama, Centre for Deaf Studies, School of Linguistics

Dr. John Kubiak, Centre for Inclusion of People with Intellectual Disabilities, School of Education

Dr. Colin Griffiths, School of Nursing and Midwifery

Maura Gallahue, Disability Office



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Thank You