OPEN RESEARCH AND PRACTICE BASED RESEARCHERS
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PRACTICE RESEARCH VOICES (@PRVOICES)

➤ **Scoping a national practice research repository using** (as a foundation) the Haplo (now Cayuse) **repository** that **embedded practice research (primarily in art and design) from the beginning**

➤ Moving to a **repositories, discoverability and interoperability landscape** in which **practice research disciplines** are **embedded** rather than an afterthought (OTHER)

➤ **Bringing together voices** from many interested communities to form the **PR Voices Choir** and working with them to identify what **Findable, Accessible, Interoperable and Re-usable (FAIR) and transparent** research (which may also be **open**) looks like for these disciplines and which respects all contributors and their intellectual property
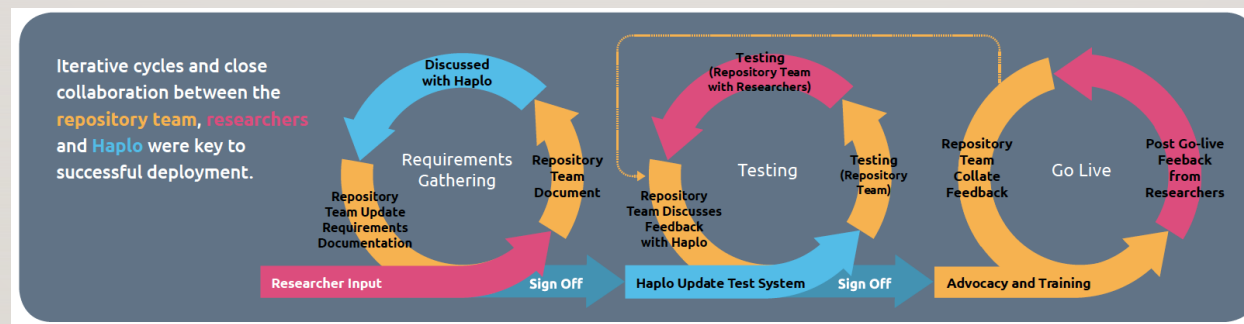
UNIVERSITY OF WESTMINSTER REPOSITORY: WORKING WITH COMMUNITY – A CO-DESIGN APPROACH

Worked with Haplo (now Cayuse) to build a single open source repository that meets the 'FAIR' principles and captures all research (outputs)

Approach to development involved **collaboration with** community (art and design and architecture) **– starting with their requirements – not** what **the technology** offered (Co-Design) – to understand their needs

Developed a single repository that captures publications, data <u>and</u> practice research outputs and the associated narrative

UNIVERSITY OF WESTMINSTER REPOSITORY WHAT WE LEARNED

Underpinned by inclusive (enabling) institutional policy landscape and language

Challenges identified included:

➢ Discoverability and interoperability landscape was born of scientific research

➢ IP, copyright, licensing issues

Sharing and making research 'open' for practice research: a combination of traditional open access (content can be licensed for reuse) and data sharing where ownership of data varies (FAIR ≠ Open)

Read more about this work: https://t.co/oi0UNHdtM6

PRACTICE RESEARCH OUTPUTS

Dynamic, multi-component portfolio (or collection) of (text-based and non-text based) items that are connected by a narrative documenting underpinning research processes

3 main 'non-text' output 'types' – non-text, exhibition, portfolio (collection)

Language reflected what the community asked for

- ➤ Creator (not author)
- ➤ Collaborators (including a list)
- ➤ Description (not abstract)
- ➤ Publisher (or commissioning body)
- ➤ Media type was part of the output (rather than 'being' the output)

Non-text (e.g. artefact) output record

DISCOVERABILITY LANDSCAPE

Google Scholar

➤ Indexes text only, PDFs less than 5MG, one file per article

Persistent Identifiers (PIDs) and metadata standards

➤ 'Other' or 'best-fit'

➤ Don't reflect the the complexities of practice research

Read more about this work: https://zenodo.org/record/5767095#.Yxtyly8w28U

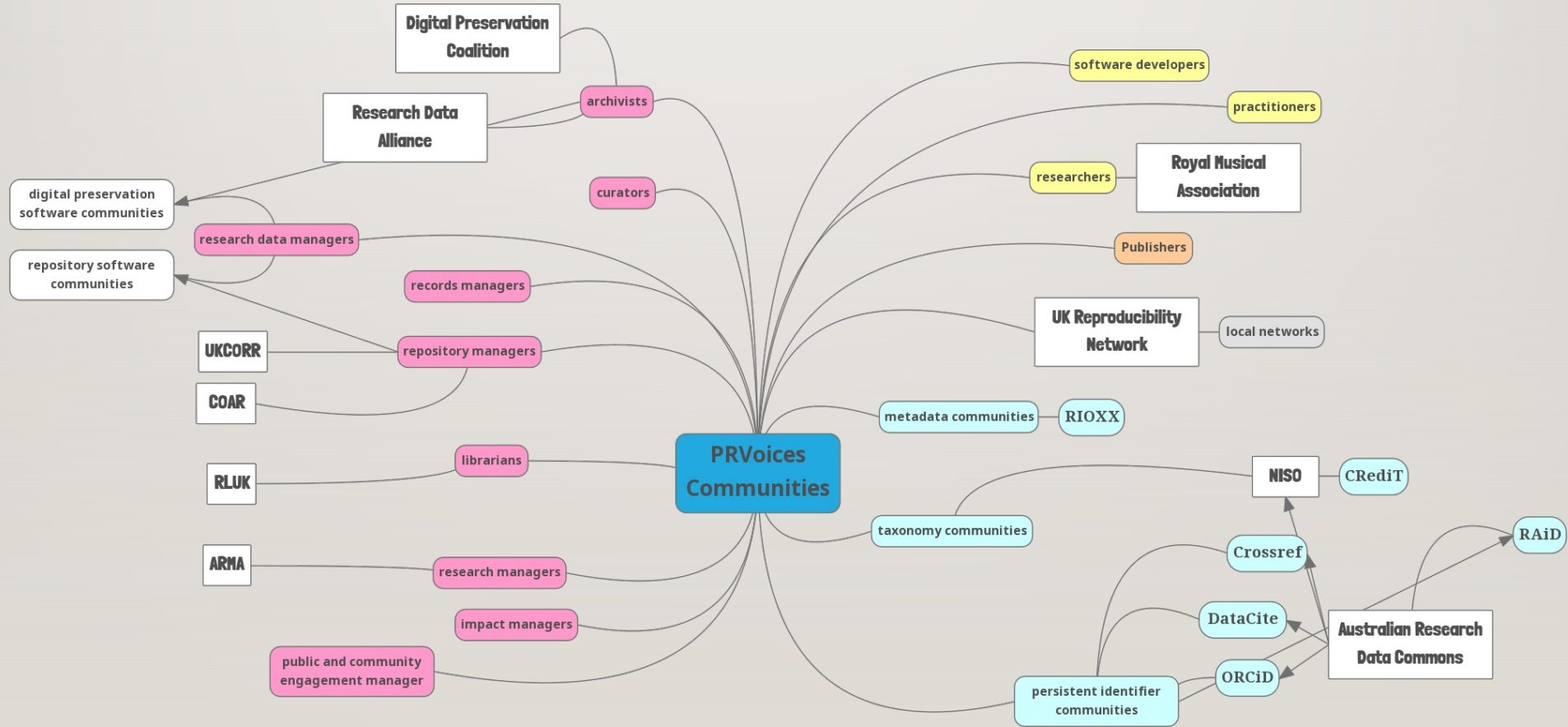# PR VOICES PROJECT OVERVIEW

1. Repositories

2. Metadata & Persistent Identifiers

3. Creating a Practice Research Community of Practice

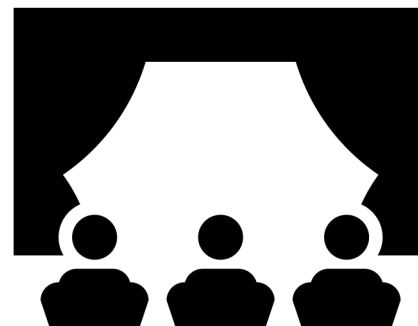# THE PRACTICE RESEARCH COMMUNITY OF PRACTICE

THE PRACTICE RESEARCH (DATA) REPOSITORY

DESIGN AND WHAT IT LOOKS LIKE

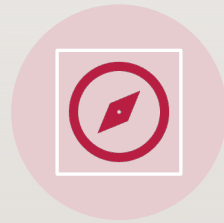FUNCTIONALITY

THE HAPLO (BY CAYUSE) SCHEMA

DESIGN AND WHAT IT LOOKS LIKE (BEAUTY) AND FUNCTIONALITY

CONTRIBUTORS

ACCESSIBILITY

NAVIGATION

CAPTURING AND DISPLAYING PROCESS

MORE INTERACTIVE – IMAGE, VIDEO, AUDIO ALL A PRIORITY

FUNCTIONALITY

DIGITAL
PRESERVATION

SOFTWARE
INTEGRATIONS

ADDITIONAL
OUTPUT TYPES

… LED TO SUGGESTED CHANGES

Less text & more visual

Portfolio items linked from landing page

Embedded videos moved here

'Share this'

'Cite this'

LED TO … NEW: EVENT OUTPUT TYPE IN TEST SYSTEM

DIGITAL PRESERVATION INTEGRATION

WHAT CHARACTERISTICS, FEATURES OR FUNCTIONALITY WOULD BE MOST VALUABLE IN PRESERVING KEY ASPECTS OF PRACTICE RESEARCH?

"1) Automatic updating of file formats to current versions [probably practically impossible]
2) Preservation of platforms (OS, applications, development frameworks) used for a particular work [probably practically impossible]"

"Obsolescence of different technological formats. Lack of technical expertise and resources (e.g. time) to adequately preserve the work and upgrade to more recent digital formats so as to make it accessible for research and creative purposes."

"Archived webpages"

"Ability to archive and/or serve websites beyond preserving a list of component files"

"Preservation layer for repository"

Playable access files

Browser-friendly emulation software

Preservation ingest

3D models, interactive media, WARC files

Recommended preservation formats
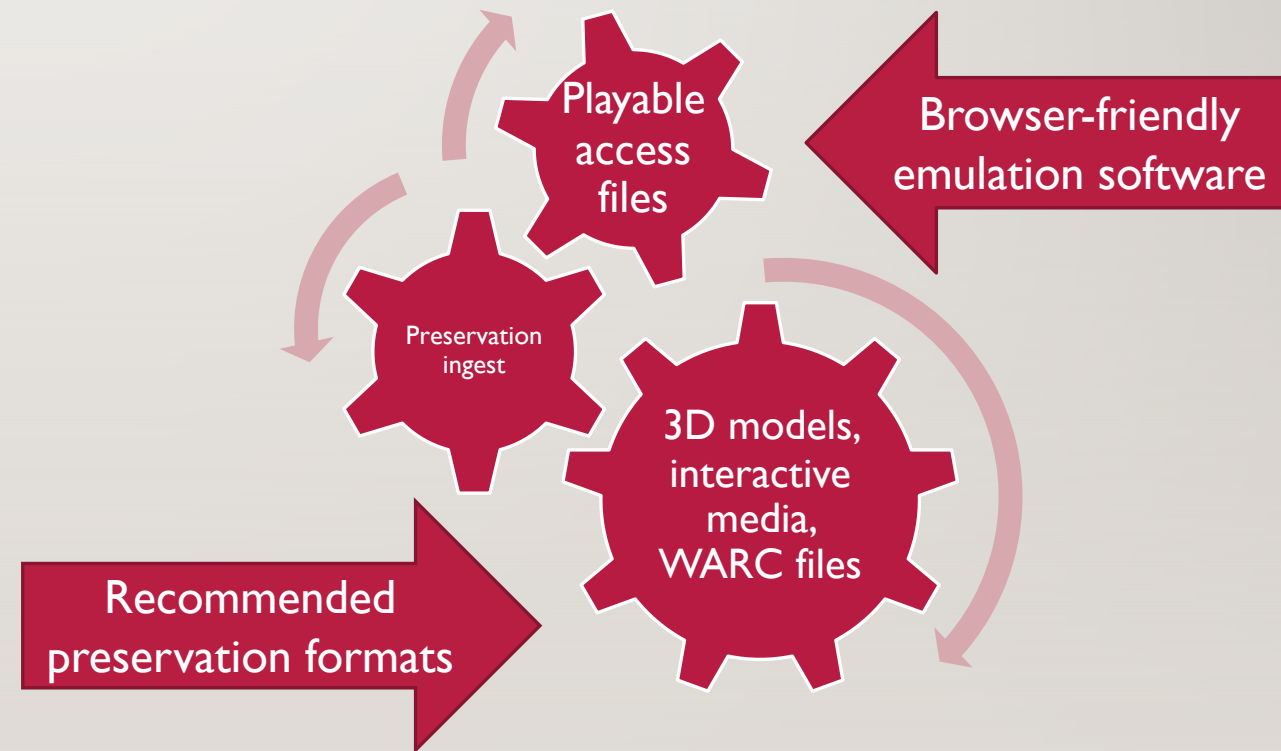
OPEN STANDARDS

Are documented, openly accessible and re-usable by anyone making it easier to publish, access, share and use data (including across systems)

DISCOVERABILITY AND INTEROPERABILITY IS ENABLED BY OPEN STANDARDS

Persistent Identifiers: a long-lasting reference to a digital resource

➢ **Objects** e.g **Digital Object Identifiers (DOIs)** or Archival Resource Keys (ARK); **People** e.g. **ORCID**

Metadata schema: a globally agreed, defined set of elements and the rules for using them (the structure)

➢ Example: Research Outputs Metadata Schema (RIOXX)

Interoperability: enables different systems to 'talk' to each other and share, exchange and access information

➢ Means research can be discovered and saves researchers time e.g. add a record to WestminsterResearch and it will appear in your ORCID record (if you've given permission)

HAPLO REPOSITORY SCHEMA

Documents the standard that enables the repository to 'talk' to other software and systems
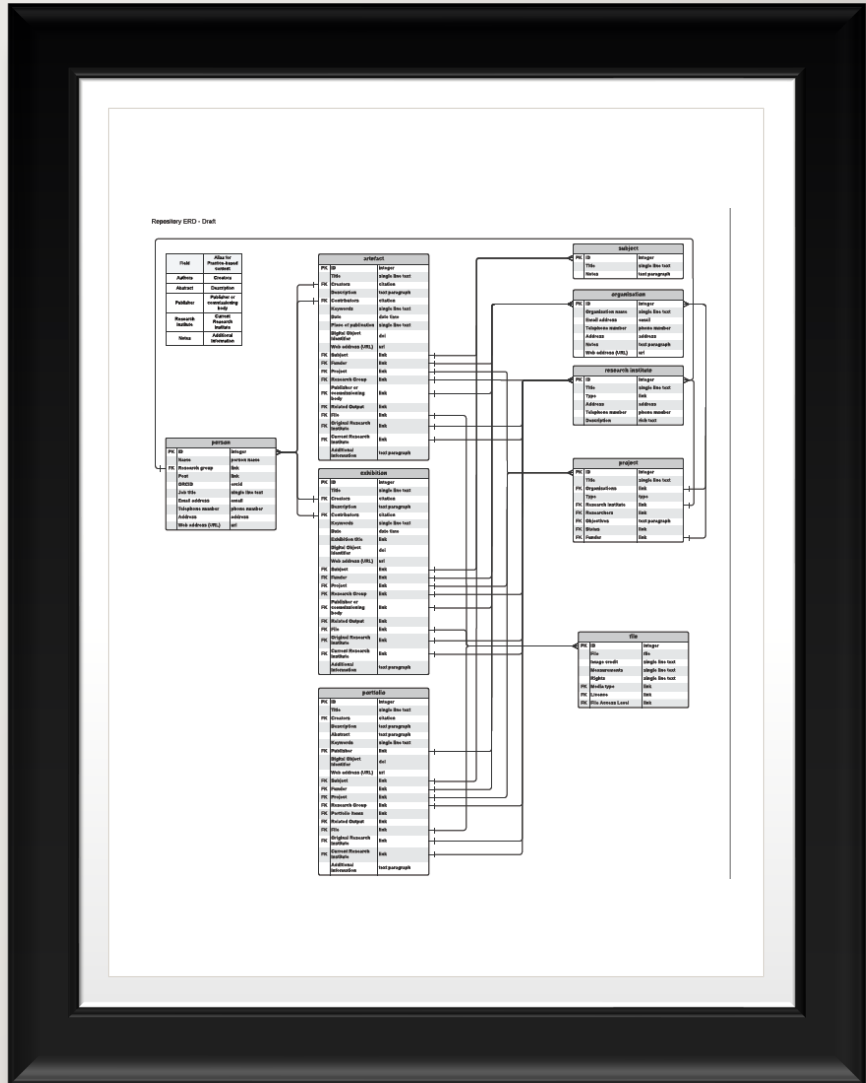
WHAT DOES PRACTICE RESEARCH LOOK LIKE IN THE HAPLO (CAYUSE) / WESTMINSTER SCHEMA?

NON-TEXT OUTPUT
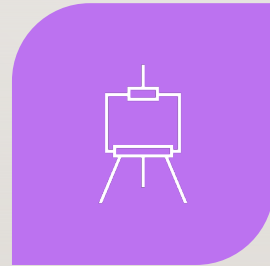
EXHIBITION (EVENT) OUTPUT

COLLECTION / PORTFOLIO

CONTRIBUTOR ROLES

WISDOM

Why does the schema matter?
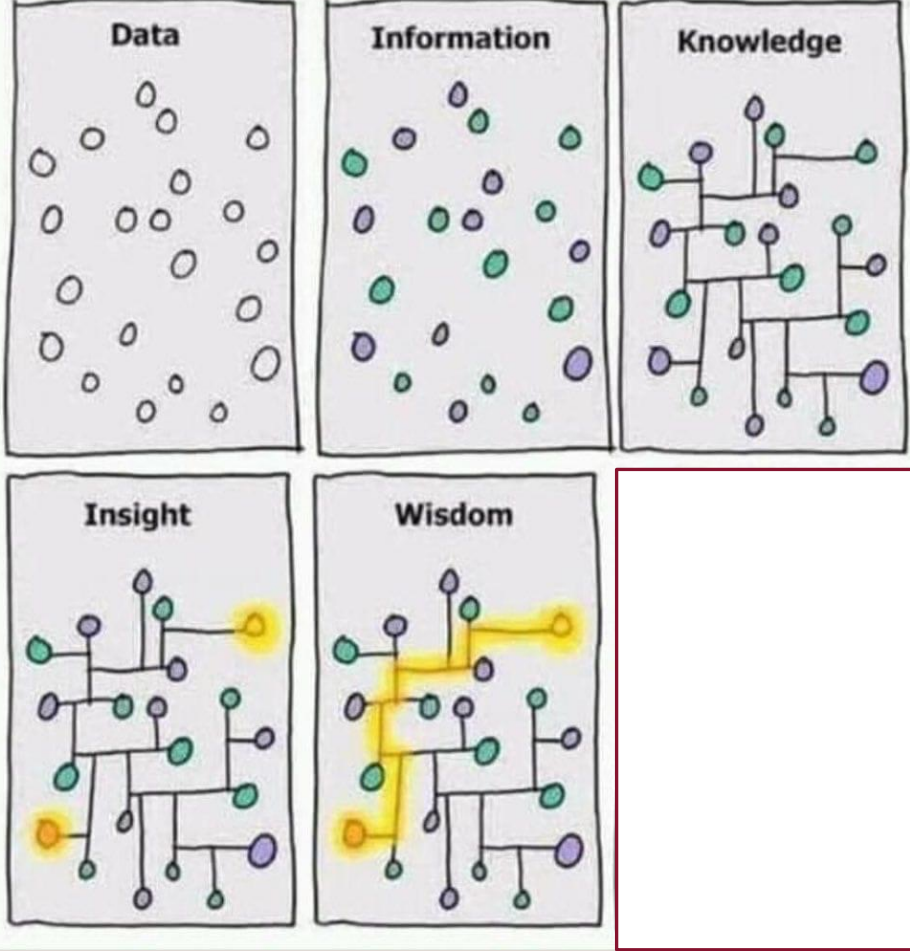
CONTRIBUTOR ROLES TAXONOMY (CRediT)

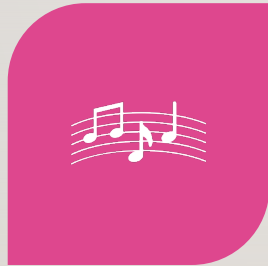|			
Conceptualization	Data curation	Formal analysis	Funding acquisition
Investigation	Methodology	Project administration	Resources
Software	Supervision	Validation	Visualization
	Writing - original draft	Writing - review & editing	

RESOURCE TYPES AND RELATED ITEMS

COLLECTIONS AND PORTFOLIOS

"The Research Activity iDentifier (RAiD) is a unique and persistent identifier for research projects. It acts as a container for research project activities by collecting identifiers for the people, publications, instruments and institutions that are involved."

https://www.raid.org.au

WHY A PRACTICE RESEARCH REPOSITORY AND OPEN STANDARDS?

A source of inspiration

A stimulus to networking and collaboration

Teaching material
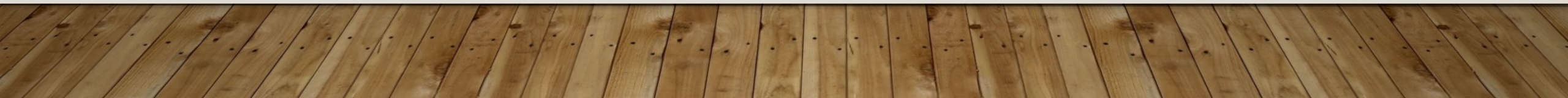
Best practice guidance

Ability to cite practice research

PR VOICES FINDINGS

Findings
➢ Ongoing community engagement is key to success
➢ Platform needs to interactive, embedded in community, respect form and function, enable discoverability, citation and preservation
➢ Open standards must underpin this work
➢ Challenges include sustainability, expertise, preservation

Recommendations
➢ Co-design with community
➢ Embed PR in open standards
➢ More than retrospective archive
➢ Training programme
➢ Investment in capacity, people and infrastructure

THE POTENTIAL LANDSCAPE / VISTA / PANORAMA

Creating an equitable opportunity where we are all part of the same landscape

Image by Image by ferienwohnungen_de from Pixabay

CONTACT US

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