



The TRIPLE project: Building a discovery platform to enhance collaboration

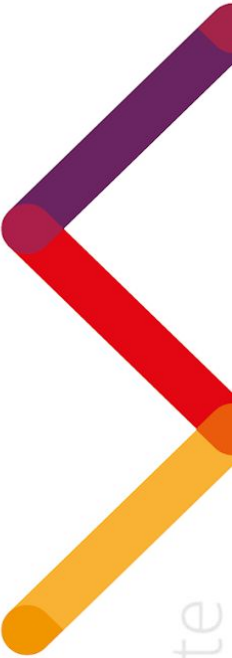
Emilie Blotière (presenter), Suzanne Dumouchel, Laure Barbot, Gert Breitfuss, Yin Chen, Francesca Di Donato, Paula Forbes, Clara Petitfils, Stefanie Pohle | **TRIPLE project** | 1 July 2020 | ICTeSSH 2020 Online Conference

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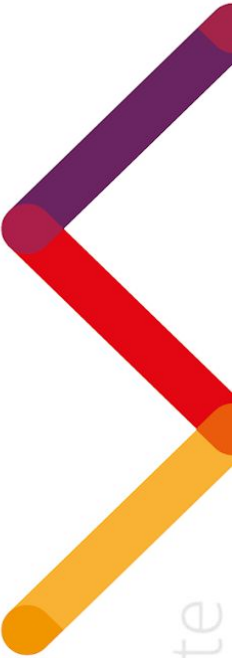
Plan

1. The TRIPLE project: What and why
2. Identification of user requirements
3. Market and opportunity analysis
4. The TRIPLE platform: Global architecture
5. TRIPLE: A player in the European landscape
6. Main impacts



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1. The TRIIPLE project: What and why



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TRIPLE: Key facts

- launched on 7 October 2019
- financed under the Horizon 2020 framework with a budget of 5.6 M€
- duration of 42 months (2019–2023)
- coordinated from France by Huma-Num (CNRS)
- 19 partners from 13 European countries
- 87 staff members working for one or more of the 8 work packages



TRIPLE Consortium



Foundation
German Humanities
Institutes Abroad



ΕΘΝΙΚΟ ΚΕΝΤΡΟ
ΤΕΚΜΗΡΙΩΣΗΣ
NATIONAL
DOCUMENTATION
CENTRE



Institute for Computational Linguistics
«Antonio Zampolli»
NATIONAL RESEARCH COUNCIL OF ITALY



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Why TRIPLE?

- strong fragmentation of SSH research
- SSH open scholarly resources (data, publications, researchers' profiles and projects) currently scattered across local repositories
- low use and reuse of SSH research
- missed interdisciplinary collaboration possibilities
- limited societal impact



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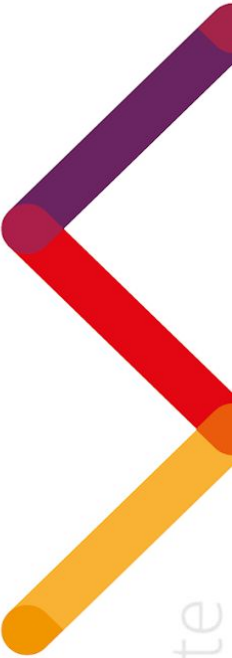
The TRIPLE platform = the heart of the project

- innovative **multilingual and multicultural discovery solution** for SSH
- will provide a **single access point** that allows you to explore, find, access and (re)use SSH literature, data, projects and researcher profiles at European scale



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2. Identification of user requirements

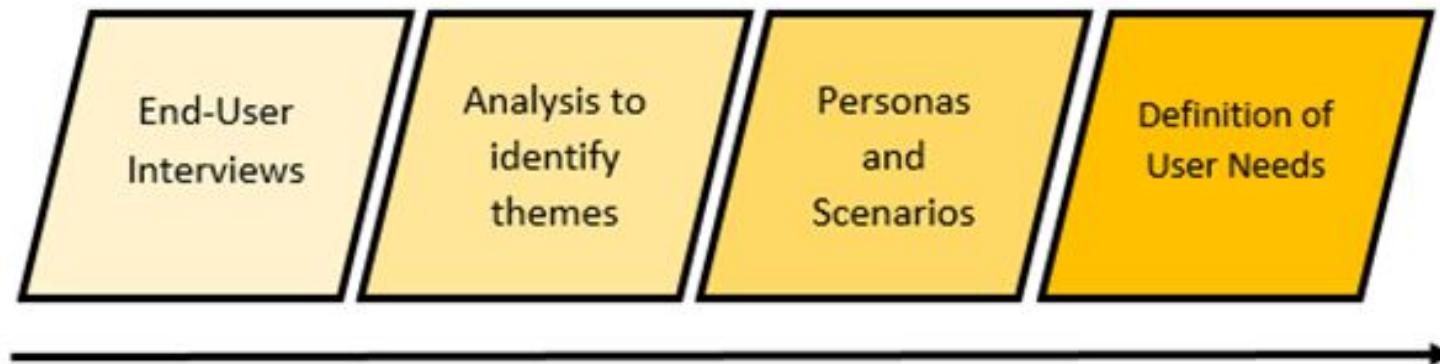


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Focus: User needs

In order to develop a usable and effective discovery platform for SSH we ensured that we:

- worked with academic & non-academic stakeholders
- carried out 37 in-depth qualitative interviews questioning working practices & what users require from such a platform
- conducted Thematic Analysis of the interviews to discover themes
- developed a range of Personas and Scenarios (using the results of the above work)



TRIPLE Scenarios



Dr Emily Lewis
 AGE: 29
 ACADEMIC POSITION: Post-Doc/ Early Career Researcher
 DISCIPLINE: Human Geography / Environmental Science
 NATIONALITY: British
 WORKING IN: University of Leeds

SCENARIO:
 Emily has been using Triple as a search engine and repository for her research work for the last few months and has found it much easier to be kept up to date, thanks to the notifications sent to her when relevant new work is published, she can bulk download all the suggestions at a single click if she wishes, or choose to individually download which also allows her to tag and/or colour code the files as they are saved. She finds that it's much easier to retrieve her saved Twitter datasets by using the 'tags'.

Emily is arranging a workshop on regional actions towards the Future Security of Food, Energy and Water, which will be held in Leeds towards the end of the year. She has a number of colleagues from other UK universities who will be involved and who will attend, but they are also looking to invite other key academics and also Policy makers and individuals from the relevant industries. Emily would like to set a geographical region to limit the search for people to a geographical area, only inviting those within 100 miles as the focus was on local environmental actions. She had previously tried using LinkedIn and Research Gate, but they returned mostly international academics.

In addition to providing a list for the specific region, the Triple platform is able to give details of the people's interests that she'd like to invite so that she can produce a very tailored invitation, explaining how their skills will be useful for the workshop. She has found that she gets a much better response rate taking this personalised approach. She also makes use of any mutual acquaintances that are flagged up by the system. She can view their personal page, some include recommendations from colleagues (similar to LinkedIn) highlighting their individual strengths, which Emily finds very useful in selecting people for her workshop. Emily is also able to advertise details of the workshop on her public-facing profile page, specifying her need for local stakeholders, she can easily upload the link to the platform and display this as a clickable tile for people to view. Emily can also see the metrics of how many people have viewed the link.

Emily has found several relevant 'Groups' and also other ongoing 'Projects' that are relevant to her research. She is able to link to the individual academics from their project page, saving time with separate searching. She requests that her link is shared to the group. Emily can send invitations via the platform (or she can choose to use their email contact details). She finds that the platform makes it easier to keep up to date with responses as to who is attending (she gets an email notification if she chooses to select the notifications option).



Professor Julien Martin
 AGE: 49
 ACADEMIC POSITION: Senior Lecturer
 DISCIPLINE: French Literature
 NATIONALITY: French
 WORKING IN: Sorbonne University

SCENARIO:
 Professor Julien Martin is about to release a new book that he has written over the last 10 years. He has been able to use the Triple platform to find all the references he needed for his book, but he has also used it to find out what other researchers have written about his book. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

Giorgia Ricci
 AGE: 38
 ACADEMIC POSITION: Senior Lecturer
 DISCIPLINE: History (Ireland/UK)
 NATIONALITY: Italian
 WORKING IN: University of Exeter

SCENARIO:
 Having successfully merged their respective research interests into Triple (which also helped her to find out what other researchers have written about her book), she has also used it to find out what other researchers have written about her book. She has been able to find out what other researchers have written about her book, but she has also used it to find out what other researchers have written about her book.

Dr Ben Dubois
 AGE: 30
 ACADEMIC POSITION: Junior Lecturer
 DISCIPLINE: European History Studies
 NATIONALITY: French
 WORKING IN: Paris-Saclay University

SCENARIO:
 Ben posted his cluster map of his new project to establish the theme, he can also avoid the time with comments and find them more easily. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

Ms Maria Masthoff
 AGE: 35
 POSITION: Advisor to Policy Makers
 NATIONALITY: Netherlands (Based in Brussels)

SCENARIO:
 Maria conducted a Cluster search on the Triple platform, she has been able to find out what other researchers have written about her book, but she has also used it to find out what other researchers have written about her book.

SCENARIO:
 What Julien really needs about Triple is the most relevant information about his research. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

SCENARIO:
 The Triple platform is able to suggest other researchers working with the same field of research. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

SCENARIO:
 Ben posted his cluster map of his new project to establish the theme, he can also avoid the time with comments and find them more easily. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

SCENARIO:
 Maria conducted a Cluster search on the Triple platform, she has been able to find out what other researchers have written about her book, but she has also used it to find out what other researchers have written about her book.

Carolina Weber
 AGE: 21
 ACADEMIC POSITION: PhD Student
 DISCIPLINE: Social Development
 NATIONALITY: German
 WORKING IN: University of Hamburg

SCENARIO:
 Carolina is in the final year of her PhD, and is writing up her thesis. For the last few months she has been using Triple platform to find information and papers relevant to her research. She has been able to find out what other researchers have written about her book, but she has also used it to find out what other researchers have written about her book.

Dr Christoph Siederer
 AGE: 38
 ACADEMIC POSITION: Lecturer
 DISCIPLINE: Computational Linguistics
 NATIONALITY: Greek
 WORKING IN: University of Thessaloniki

SCENARIO:
 Christoph has realised that his work as a Corpus Linguist usually involves working with people from other disciplines. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

Dr David Greig
 AGE: 42
 POSITION: CEO Small Business
 NATIONALITY: Irish

SCENARIO:
 David has just seen a new call to funding in the news. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.

SCENARIO:
 David has just seen a new call to funding in the news. He has been able to find out what other researchers have written about his book, but he has also used it to find out what other researchers have written about his book.



Defining user requirements

Scenario narratives

Transformation into Scenario steps
(list of user activities)

List with more formal definition of
user requirements

Basis for
- identification of platform functionalities +
- subsequent production of interface prototypes

Needs for Scenario 7: David Green
(stakeholder)

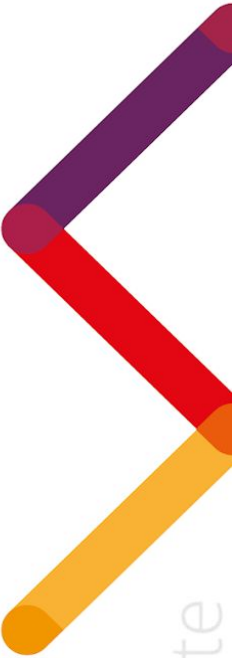
- 7.1 The user shall be able to Search ordering by 'impact'
- 7.2 The user shall be able to Search by most recent publication
- 7.3 The user shall be able to Search for Projects
- 7.4 The user shall be able to Search for presentations (slides/video format)

(cf. D3.1 Report on User Needs)



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3. Market and opportunity analysis



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arXiv.org
USA, 1991

Academia.edu
USA, 2008

JSTOR
USA, 1997

Zotero
USA, 2009

Google Scholar
USA, 2004

figshare
USA, 2011



ORCID
USA, 2012

Semantic Scholar
USA, 2015

COS
USA, 2013

Nextstrain
USA, 2017

HUMANITIES
COMMONS
USA, 2013

unpaywall
USA, 2016

MENDELEY
UK, 2008

CORE
UK, 2011

IRIS.AI
NORWAY, 2015

DataSearch
NETHERLANDS, BETA

frontiers
SWISS, 2007

OpenAIRE
EU, 2006

zenodo
EU, 2013



Biblistima
FRANCE, 2012

ResearchGate
GERMANY, 2008

isidore
FRANCE, 2010

scienceOPEN.com
GERMANY, 2013

DataCite
GERMANY, 2014

LENS.ORG
AUSTRALIA, 1999

huni
AUSTRALIA, 2013



evaluation of 26
platforms (e. g.
features &
functions, usability)

(cf. D7.1 Report on
Stakeholder and
Opportunity Analysis)

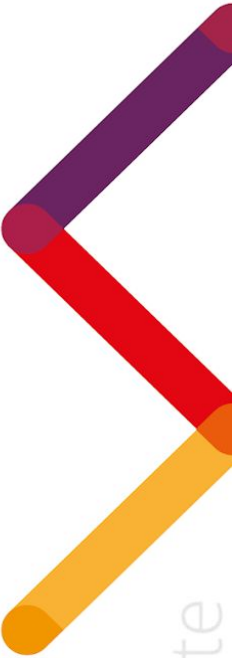
interviews with 2 Open Science
experts & 6 executives of scholarly
communication platforms



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4. The TRIIPLE platform: Global architecture



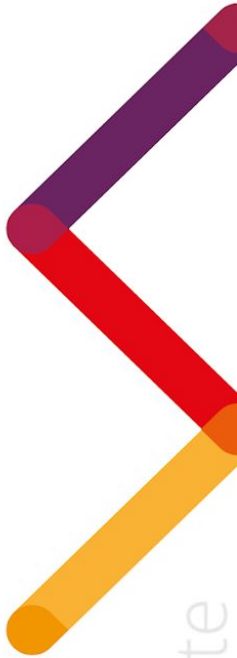
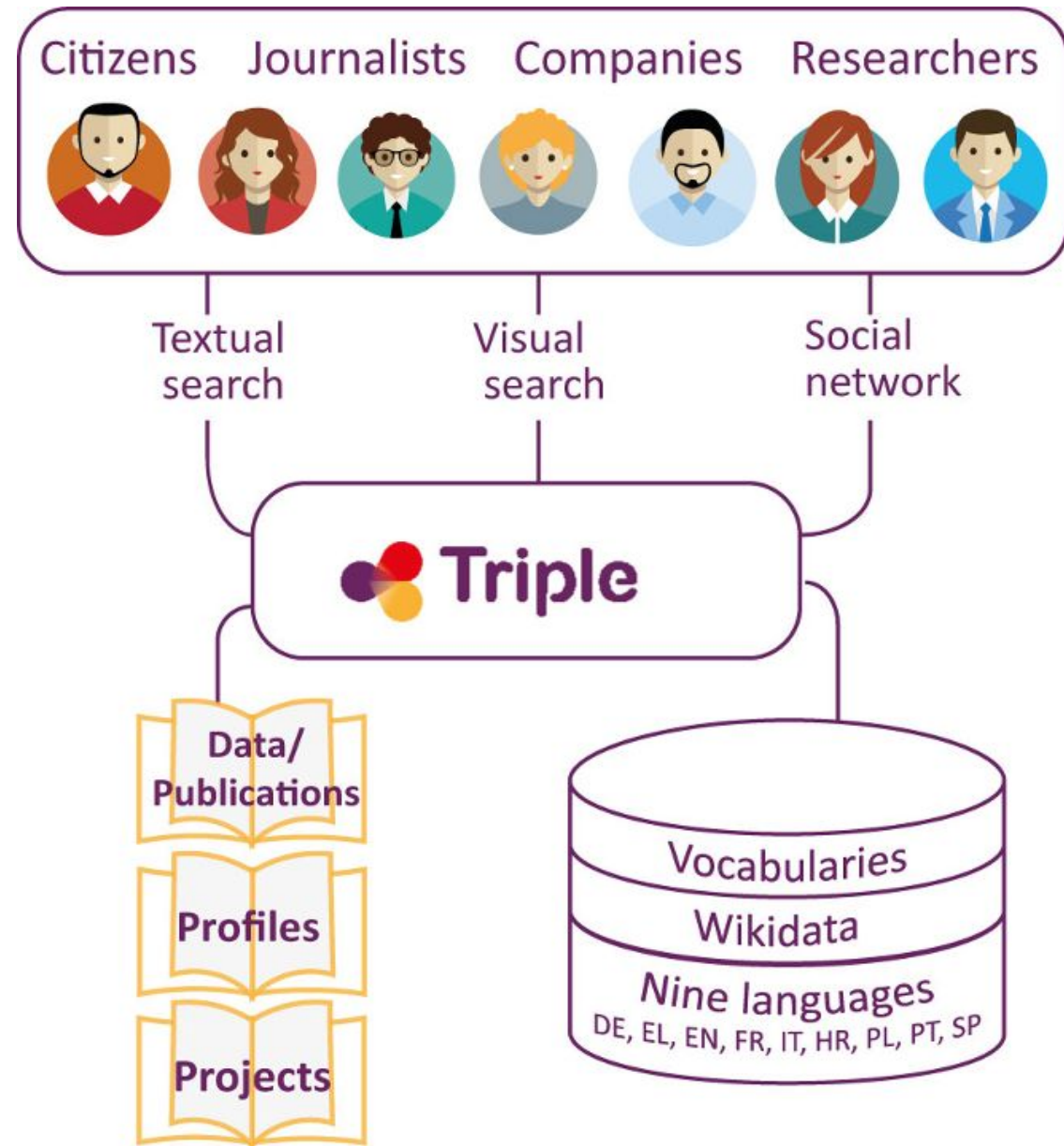
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Adapt technology to usage

TRIPLE platform services and architecture will promote a "**Community of Practice**"

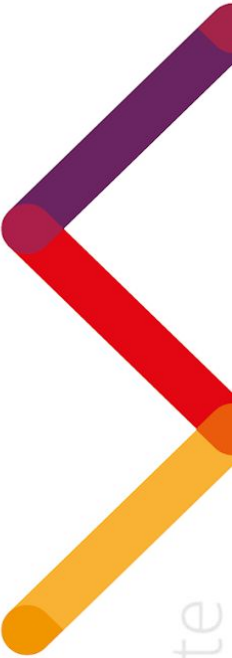
- foster new collaborations and networking
- encourage interdisciplinarity
- take into account multilingual and multicultural diversity
- facilitate crowdfunding



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5. TRIPLE: A player in the European landscape



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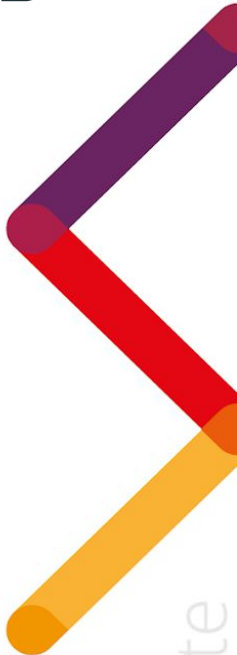


TRIPLE and EOSC



**EUROPEAN OPEN
SCIENCE CLOUD**

- an answer to Call INFRAESOC-02-2019: “prototyping new innovative services”
- contributes to the federated vision of the EOSC to build a globally accessible multidisciplinary environment where data and publications are publishable, findable, usable and reusable for a large part of the population



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3 simultaneous strategies to integrate TRIPLE into the EOSC

Through OPERAS
RI dedicated to
open scholarly
communication in
SSH



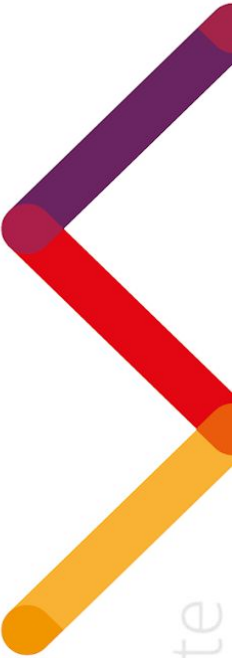
Through the SSH
Open Marketplace



By including the
discovery
platform into the
EOSC catalogue

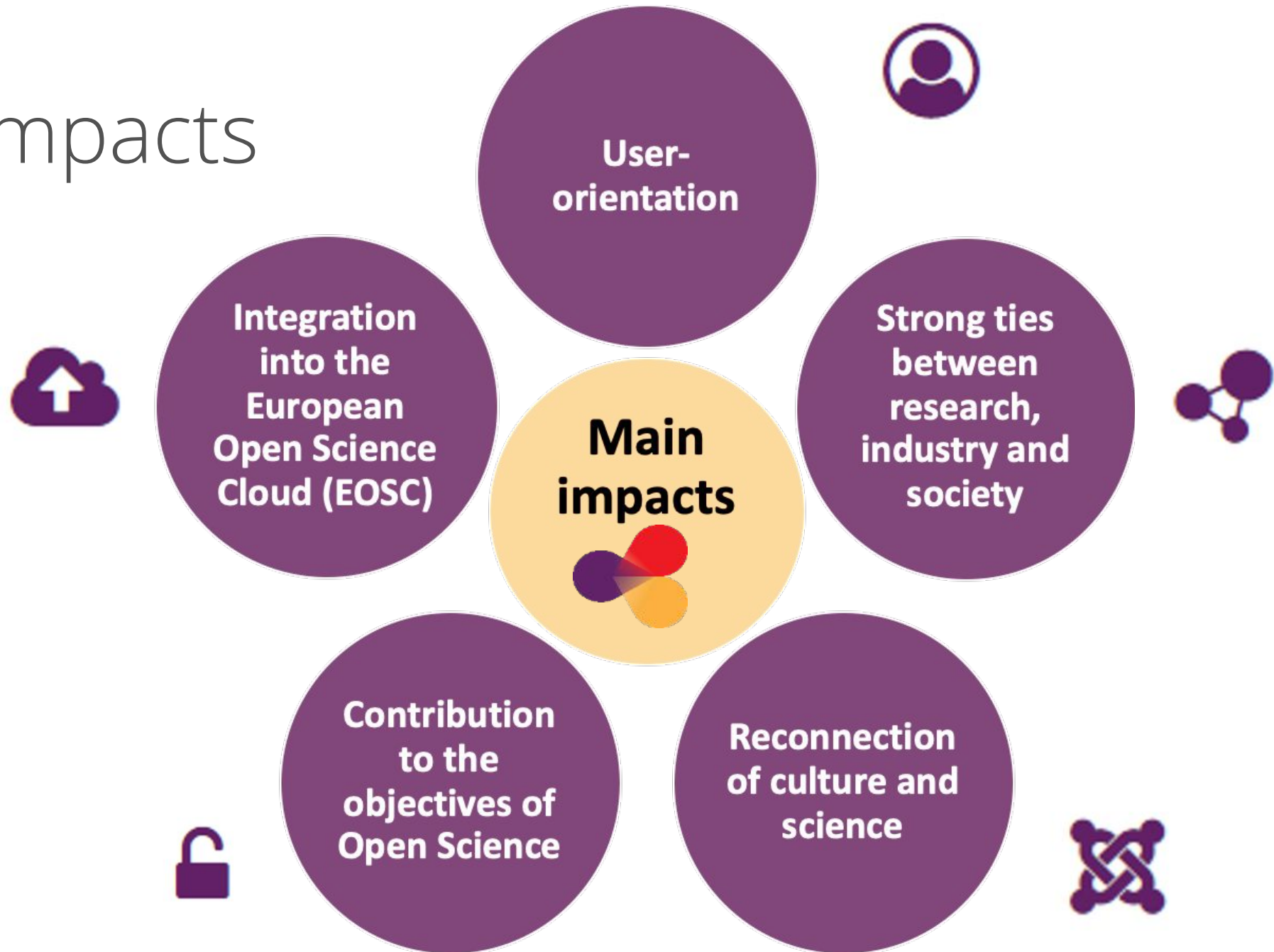


6. Main impacts



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Main impacts



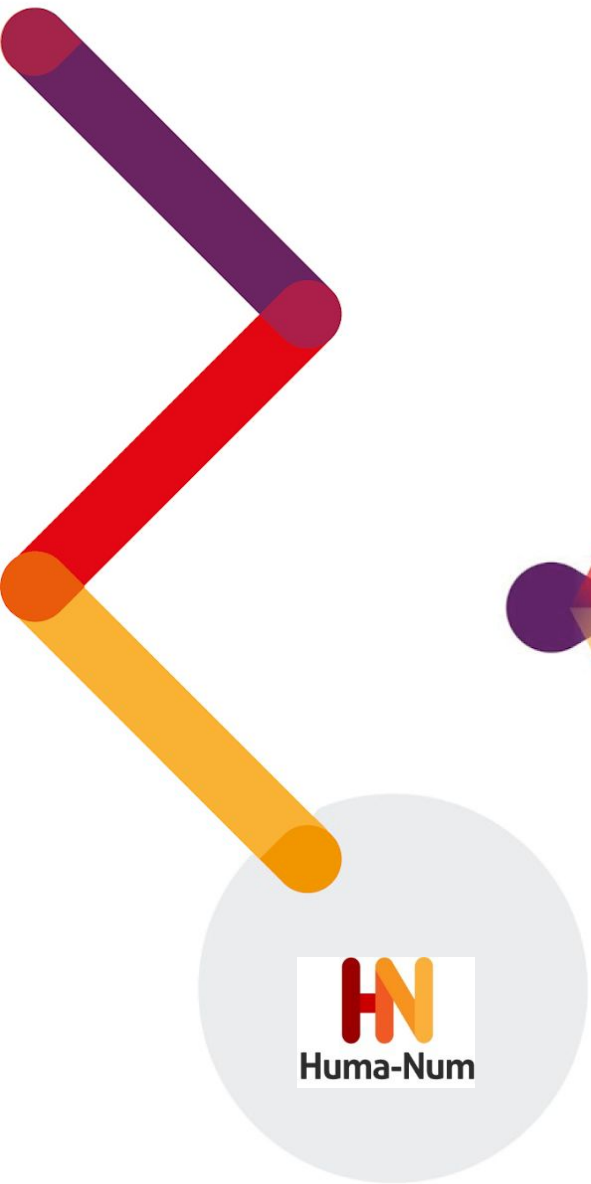
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*TRIPLE will be a dedicated
service of the OPERAS RI*

OPERAS
open access in the european research
area through scholarly communication



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement number 863420

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