Research 4 Challenges

Bootcamp
Construyendo juntos el futuro de la educación
Building together the future of education

Movimiento abierto y redes para la sostenibilidad en el apoyo a investigadores y practicantes

Antonio Martínez-Arboleda (University of Leeds), Wilma van Wezenbeek (VU Amsterdam), Carina Bossu (The Open University), Francisco Iniesto Carrasco (Universidad Nacional de Educación a Distancia)

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Introducción a la ciencia abierta

Wilma van Wezenbeek

31 de octubre 2023

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UNESCO

Abrir los procesos y los productos de la creación de conocimiento

Facilitar el acceso y la disponibilidad del conocimiento de todas las disciplinas

Promover la colaboración y el acceso libre a la información

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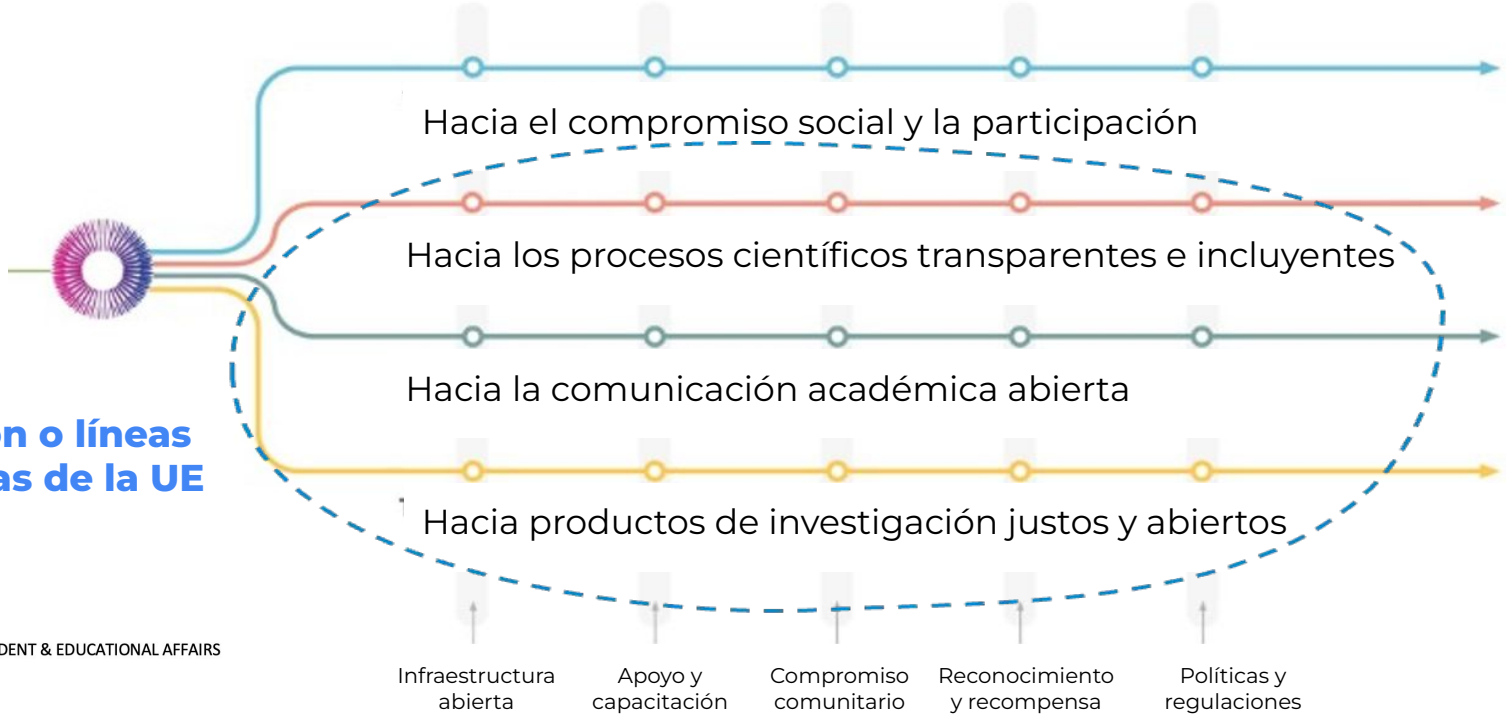
Agenda vigente

Ambición del Programa Nacional de Ciencia Abierta 2022-2030

Acorde con o líneas estratégicas de la UE



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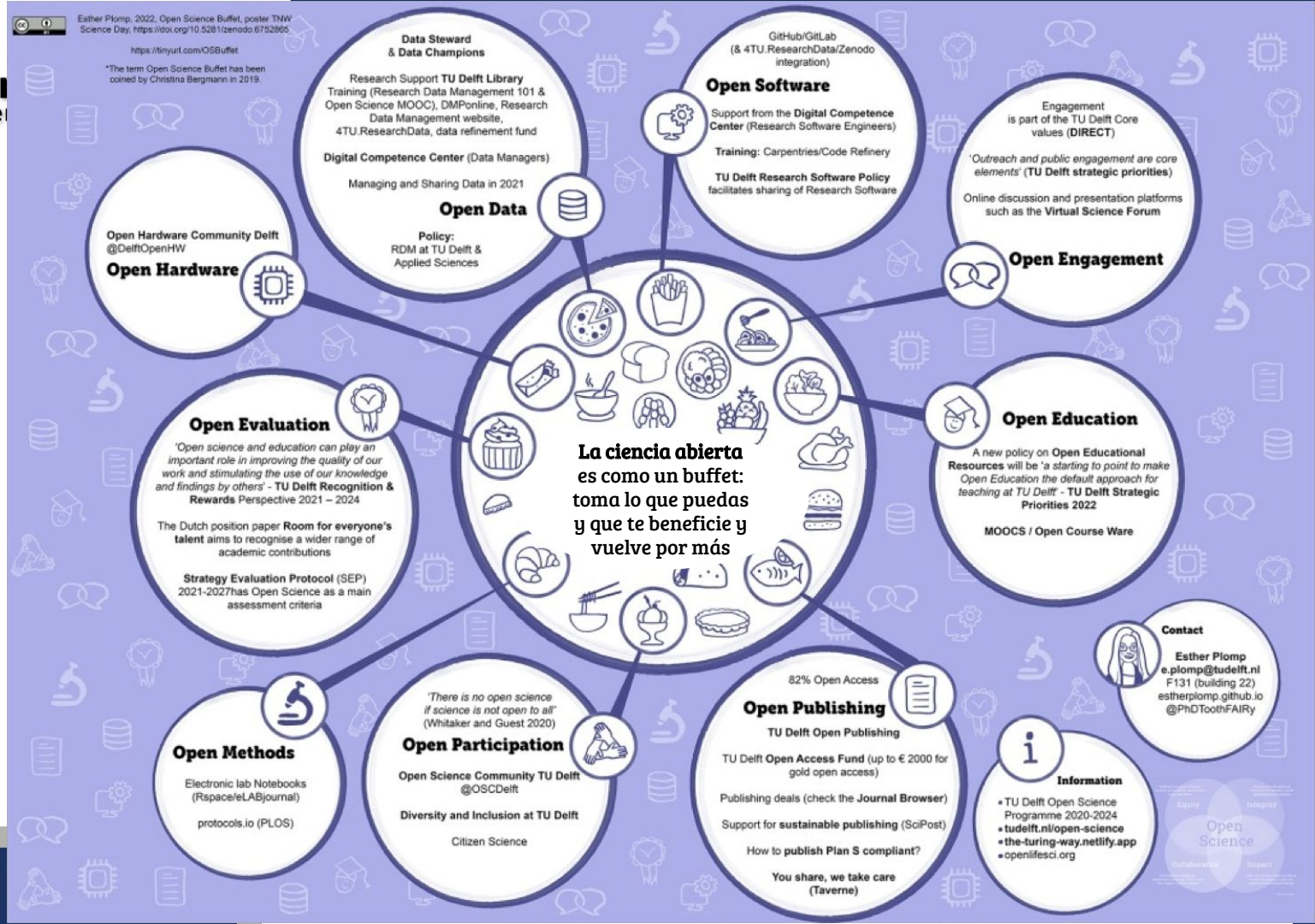
Esther Plomp, 2022, Open Science Buffet, poster TNW Science Day, https://doi.org/10.5281/zenodo.6752865
https://tinyurl.com/OSBuffet
*The term Open Science Buffet has been coined by Christina Bergmann in 2019.
Data Steward & Data Champions
Research Support TU Delft Library Training (Research Data Management 101 & Open Science MOOC), DMPonline, Research Data Management website, 4TU.ResearchData, data refinement fund
Digital Competence Center (Data Managers)
Managing and Sharing Data in 2021
Open Data
Policy: RDM at TU Delft & Applied Sciences
GitHub/GitLab (& 4TU.ResearchData/Zenodo integration)
Open Software
Support from the Digital Competence Center (Research Software Engineers)
Training: Carpentries/Code Refinery
TU Delft Research Software Policy facilitates sharing of Research Software
Engagement is part of the TU Delft Core values (DIRECT)
'Outreach and public engagement are core elements' (TU Delft strategic priorities)
Online discussion and presentation platforms such as the Virtual Science Forum
Open Engagement
Open Hardware Community Delft @DelftOpenHW
Open Hardware
La ciencia abierta es como un buffet: toma lo que puedas y que te beneficie y vuelve por más
Open Evaluation
'Open science and education can play an important role in improving the quality of our work and stimulating the use of our knowledge and findings by others' - TU Delft Recognition & Rewards Perspective 2021 – 2024
The Dutch position paper Room for everyone's talent aims to recognise a wider range of academic contributions
Strategy Evaluation Protocol (SEP) 2021-2027has Open Science as a main assessment criteria
Open Education
A new policy on Open Educational Resources will be 'a starting to point to make Open Education the default approach for teaching at TU Delft' - TU Delft Strategic Priorities 2022
MOOCS / Open Course Ware
Contact
Esther Plomp
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F131 (building 22)
estherplomp.github.io
@PhDToothFAIRy
Open Methods
Electronic lab Notebooks (Rspace/eLABjournal)
protocols.io (PLOS)
'There is no open science if science is not open to all' (Whitaker and Guest 2020)
Open Participation
Open Science Community TU Delft @OSCDelft
Diversity and Inclusion at TU Delft
Citizen Science
82% Open Access
Open Publishing
TU Delft Open Publishing
TU Delft Open Access Fund (up to € 2000 for gold open access)
Publishing deals (check the Journal Browser)
Support for sustainable publishing (SciPost)
How to publish Plan S compliant?
You share, we take care (Taverne)
Information
TU Delft Open Science Programme 2020-2024
tudelft.nl/open-science
the-turing-way.netlify.app
openlifesci.org
Open Science

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OPEN SCIENCE: JUST SCIENCE DONE RIGHT

CIENCIA ABIERTA:
Es ciencia hecha correctamente

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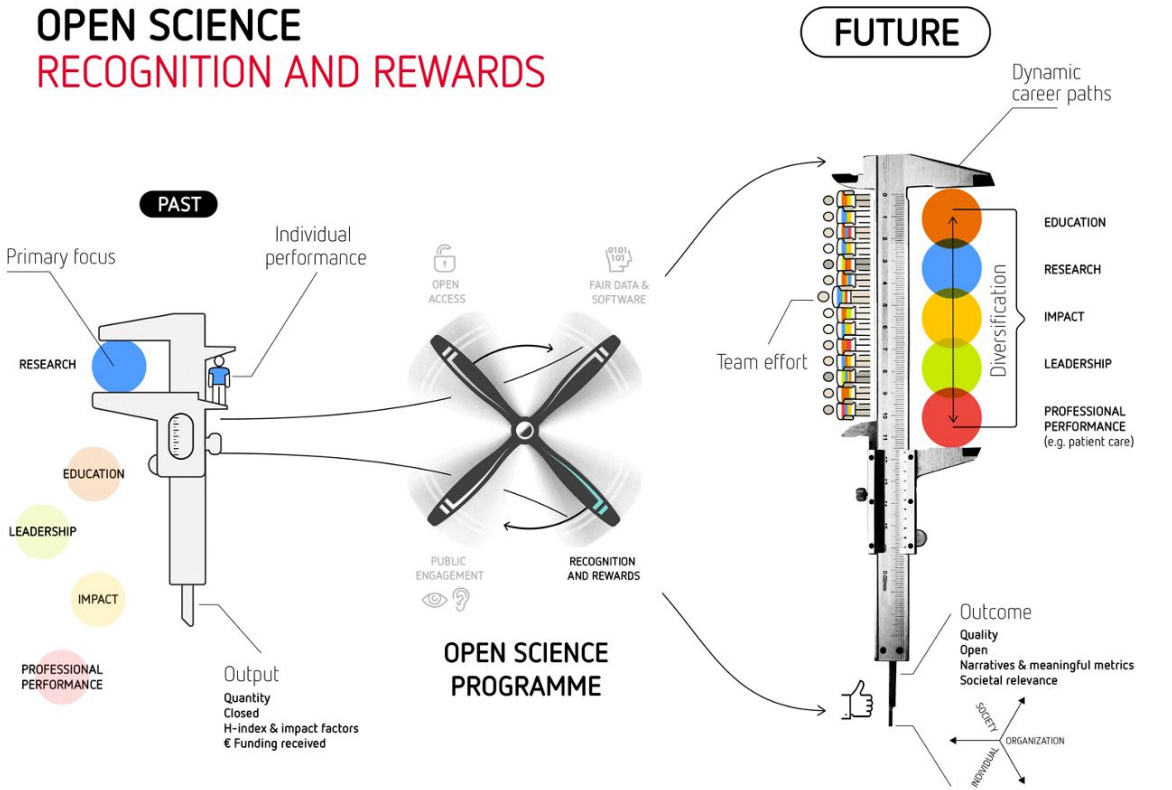
Utrecht University

SKETCH AUTUMN 2020

Desde el pasado (enfoque en la investigación y lo individual) hacia el futuro (rutas dinámicas de carrera, diversificación, esfuerzo de equipo)



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¿Qué hay sobre la educación?
Declaración hacia un enfoque nacional para lo digital y los Recursos Educativos Abiertos >

Recursos Educativos
- Localizables,
- Interoperables y
- Reusables (FAIR)

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Otorgar identidad única 3

4 Registro en línea

Describir propiedad 2

5 Definir reglas de acceso

Actualizar materiales 10

6 Generar formatos interoperables

Recibir contribuciones 9

7 Hacerlos reutilizables para capacitación

8 Adecuarlos para capacitación

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Referencias / lecturas (*Last visited on 21 September 2023)*

Slide 1/2: https://unesdoc.unesco.org/ark:/48223/pf0000379949 and https://unesdoc.unesco.org/ark:/48223/pf0000383771

Slide 3**:**
https://research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science_en#ref-8-ambitions-of-the-eus-open-science-policy

Slide 3: https://www.openscience.nl/sites/open_science/files/media-files/final_npos2030_ambition_document_and_rolling_agenda.pdf

Slide 4:
https://openworking.wordpress.com/2022/06/28/open-science-is-like-a-buffet-take-what-you-can-and-what-benefits-you-now-come-back-for-more/

Slide 5: https://zenodo.org/record/1285575

Slide 6: https://www.uu.nl/en/news/open-science-track-recognition-and-rewards-presents-infographic

Slide 6:
https://www.universiteitenvannederland.nl/recognitionandrewards/wp-content/uploads/2019/11/Position-paper-Room-for-everyone%E2%80%99s-talent.pdf

Slide 7: https://npuls.nl/en/ and https://www.versnellingsplan.nl/Kennisbank/verklaring-nationale-aanpak-digitale-en-open-leermaterialen (only available in Dutch)

Slide 8: https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1007854

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Conectando y colaborando

Knowledge Equity Network

Red de Equidad en el Conocimiento

https://knowledgeequitynetwork.org/

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Enfoque holístico

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Tu identidad e involucramiento profesional

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Nos vemos en las redes

https://knowledgeequitynetwork.org/

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Movilizando el aprendizaje en el Bootcamp

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2874 3940

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Closed question

Hay muchas razones para abrir tus recursos educativos o de investigación. ¿Cuál es el tuyo?

Visibilidad
Integridad
Reproducibilidad
Política

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Discussion

Open question

¿Qué ejemplos conoces de tu entorno que abren el proceso de investigación/educación?

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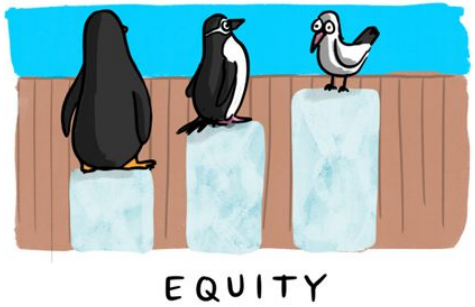
Equity, Diversity and Inclusion in Open Education: Community and Collaboration



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What is GO-GN?

The aims of the GO-GN are to:

- raise the profile of research into open education
- offer support for those conducting doctoral research in this area
- promote equity and inclusion in the field of open education research
- develop openness as a process of research.

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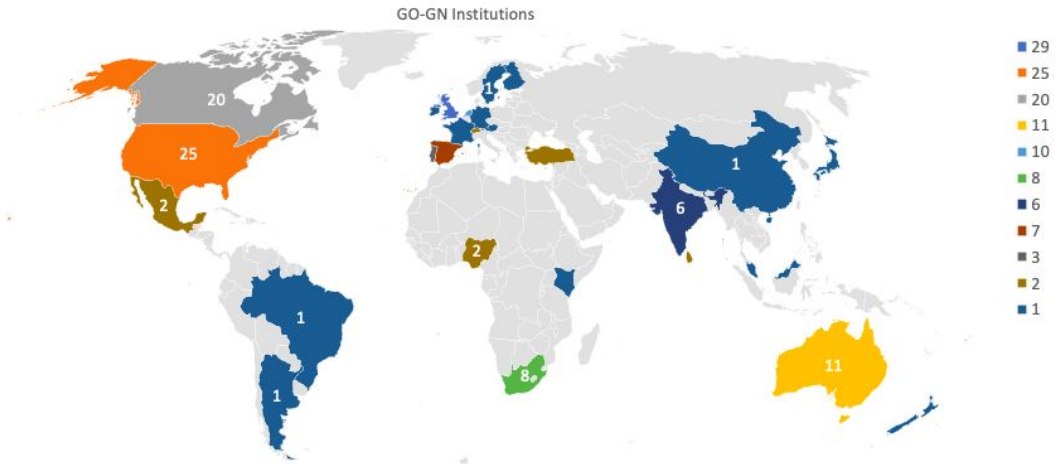
The network



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Overview of the Project

- Acknowledgements
- A GO-GN project and supported by the Hewlett Foundation
- For GO-GN –as an open research community- to be more diverse, equitable & inclusive.
- To incorporate perspectives & experiences of underrepresented communities.
- Develop EDI Guidelines for GO-GN
- Phase 2 of the EDI project in Latin America (Phase 1 – Africa)

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Process and Methodology

- Interviews: 12 key stakeholders (including GO-GN members) from Latin America: Argentina, Brazil, Chile, Colombia, Costa Rica, Mexico and Uruguay.
- Categorisation (coding) and analysis of data undertaken using NVivo.
- Online workshop with experts in OER (workshop informed by the interviews) – to validate and gather additional data.
- Dissemination of results through presentations, blog post and publications.

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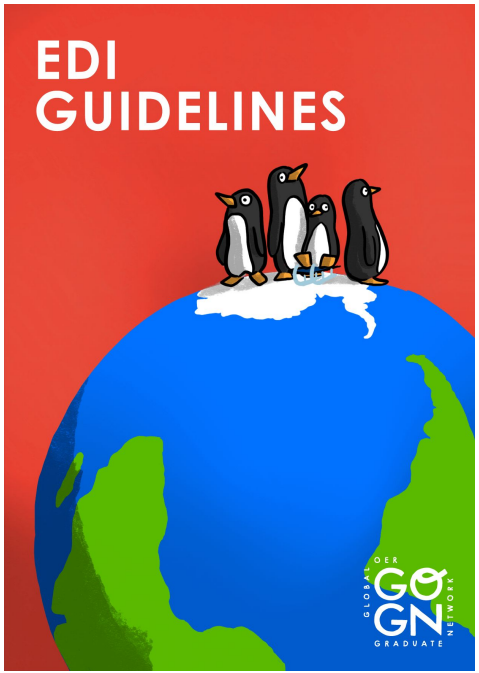
EDI Guidelines = Phase 1 and 2



- Definitions
  - Equity, Diversity, Inclusion, Justice, Equity, Diversity and Inclusion (JEDI), Inclusion, Diversity, Equity and Accessibility (IDEA)
- OE initiatives in Africa and Latin America
- Phase 1: EDI in Africa
- Phase 2: Latin American context and findings
- GO-GN Guidelines for EDI in Open Education
  - For higher education institutions
  - For individual practitioners
  - For GO-GN
- Conclusions and final considerations

https://go-gn.net/gogn_outputs/edi-guidelines/

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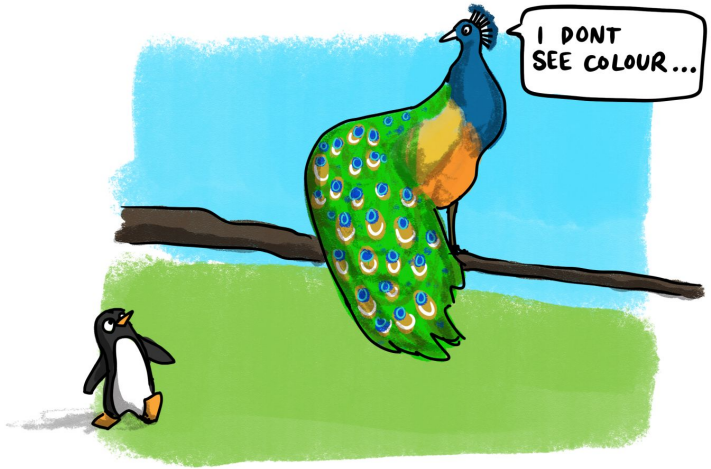
EDI guidelines for higher education institutions include:

- Raise awareness about EDI concepts in open education
- Develop small, but actionable elements for the development of EDI in short and long terms.
- Develop a diversified measurement of success, in addition to metrics.
- Understand, identify and remove structural barriers to collaboration, including technology and digital infrastructures.



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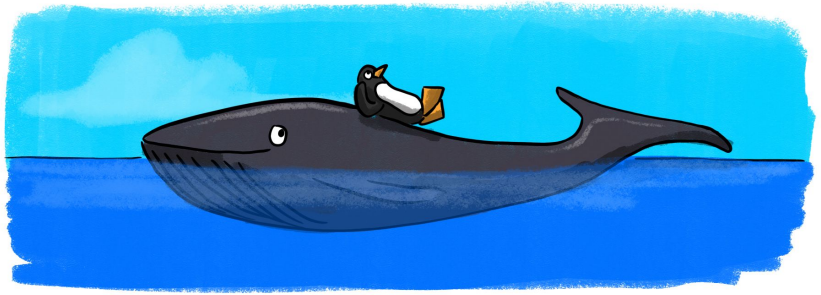
Some recommendations for individual practitioners are:

- To acknowledge limitations of people's understanding of EDI, and their willingness to engage with it.
- Create a sense of belonging, were learners are valued, leveraged, welcomed, and respected.
- To recognise barriers which might be intergenerational, and part of a historical legacy affecting individuals and communities.



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For GO-GN (or any network initiative)

- Work towards decreasing the language barrier in GO-GN.
- Use members (students and alumni) as ambassadors to GO-GN in their respective countries (present in local conferences).
- Provide small research grants to conduct research in open education to students from the Global South.
- Monitor and review the guidelines annually to ensure that equity, diversity and inclusion is continually promoted at all levels of GO-GN's operation and practices.

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So Far

1. Encouraging and supporting researchers and practitioners from the Global South to be achieve members of the community so that their voices are heard.
2. Fellowships and scholarships
3. Disseminate research findings in other languages
4. To regularly review all GO-GN open practices and selection procedures so that fairness, diversity, equity and inclusion are upheld at all cost.

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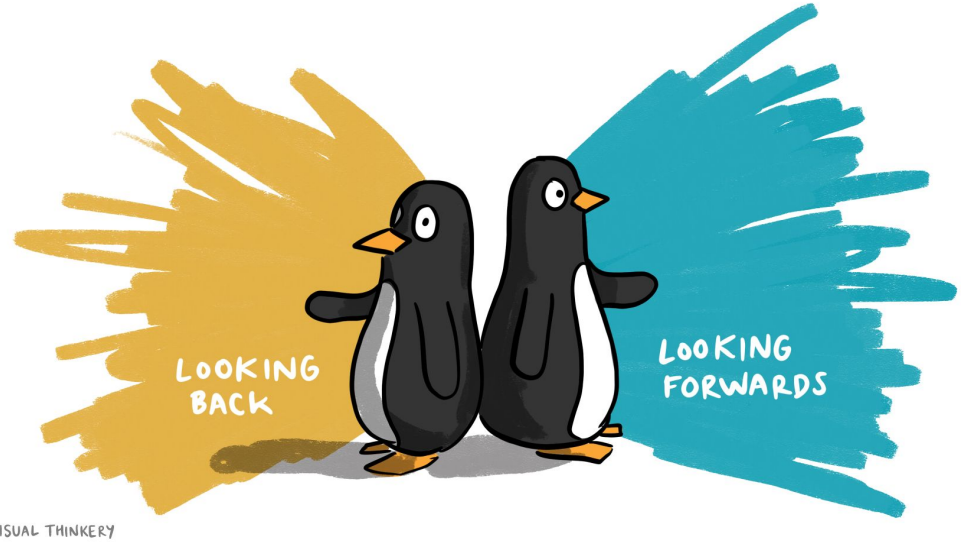
Planning the next phase of the EDI project



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Closed question

Which region do you think we should focus the EDI in Open Education research on during the next phase?

Asia
Europe
Middle East
Oceania (South Pacific)

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Discussion

Open question

What are the opportunities and challenges of incorporating Equity, Diversity and Inclusion in your research or teaching?

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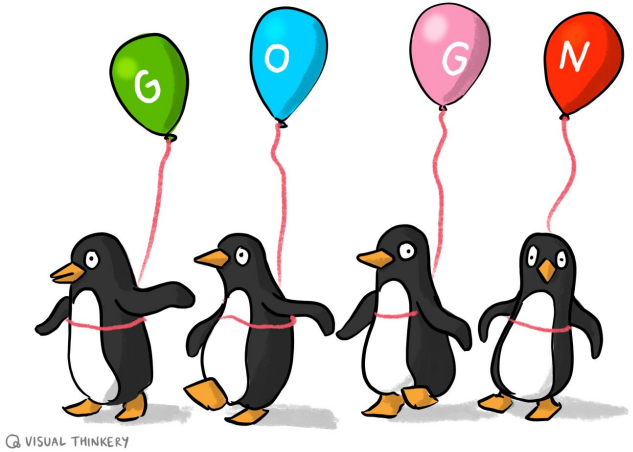
Get involved!

@GOGN_OER
#GO_GN
go-gn.net



#GO_GN10

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#Research4Challenges #FutureEducationBootcamp

#ConstruyendoEducación

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