GEO Knowledge Hub

Supporting knowledge sharing in the GEO Community

GEO Knowledge Hub Team



Agenda

- (1) GEO Infrastructure Capacity Development and National GEOs (7') Marie-Françoise Voidrot, OGC
- (2) Introduction to the GEO Knowledge Hub Vision and short history (7') Paola de Salvo, GEO Secretariat
- (3) The GEO Knowledge Hub solution Technical overview (10') Felipe Carlos, GEO Secretariat
- (4) The GEO Knowledge Hub content What can I find in it (10') Kalamkas Yessimkhanova, GEO Secretariat
- (5) Examples from Knowledge Providers

WaPOR (7') - Bert Coerver, FAO

Introduction of the current DMD Self-assessment tool (5') - Lionel Menard, Mines Paris Tech, GEO Data and Knowledge Working Group

Self-assessment tool and FAIR assessment tool (7') - Braulio Galicia, University of Geneva, GEO Data and Knowledge Working Group

In-situ FAIR approach (10') - Lionel Menard, Mines Paris Tech, GEO Data and Knowledge Working Group

- (6) Questions (15')
- (7) User engagement and closing (5') Paola de Salvo, GEO Secretariat



The GKH Team

Paola de Salvo



Kalamkas Yessimkhanova



Felipe Carlos



We are facing huge environmental and societal challenges









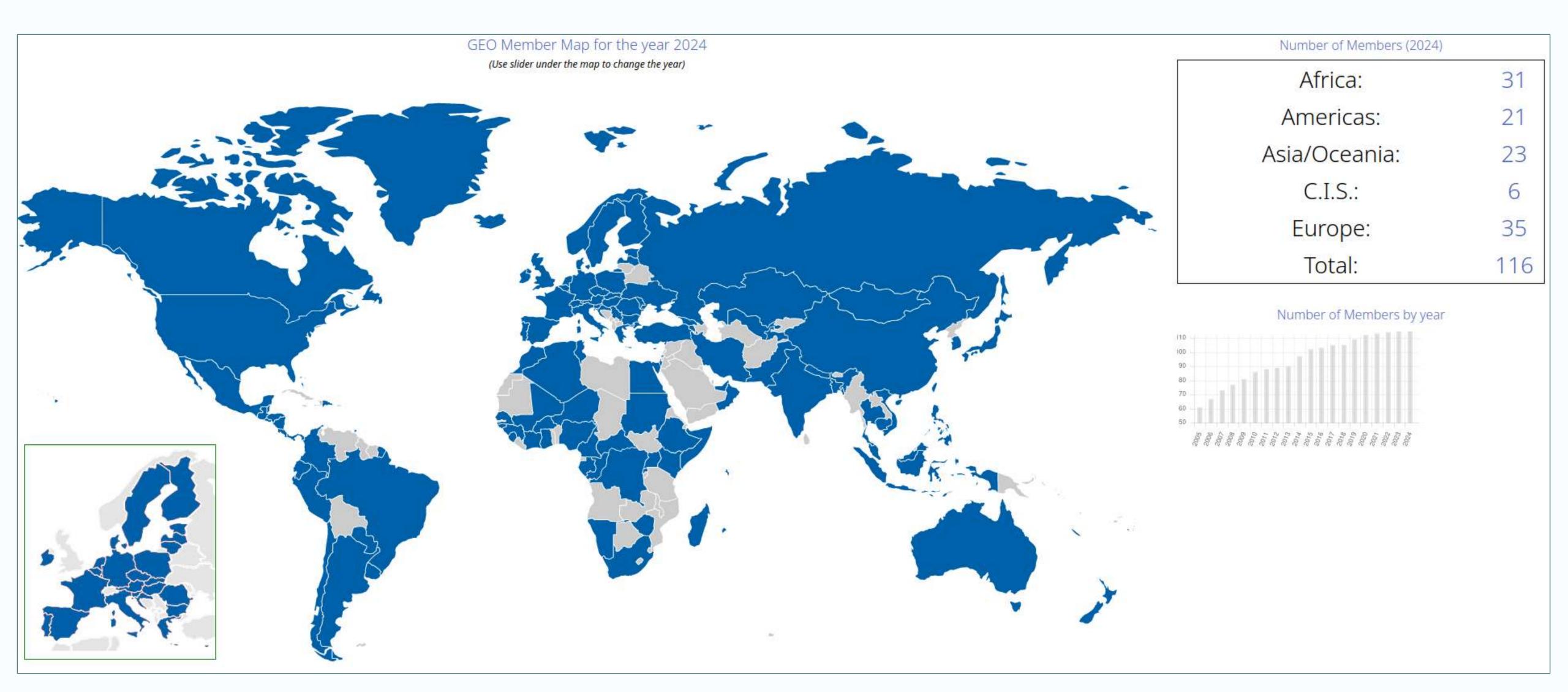




GEO GROUP ON EARTH OBSERVATIONS

GEO Members





Participating Organizations





GEO Work Programme























Wildfires



















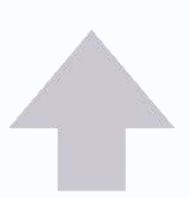












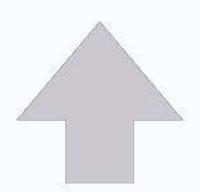




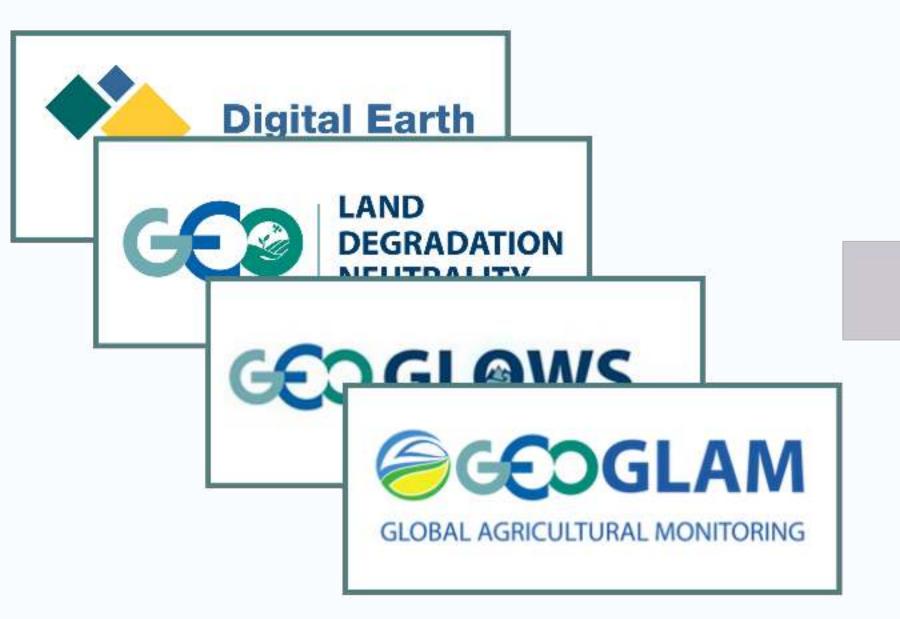


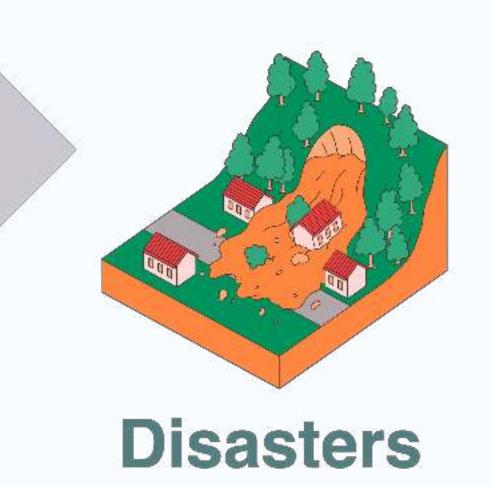






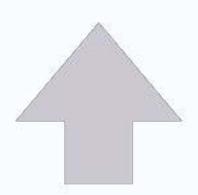






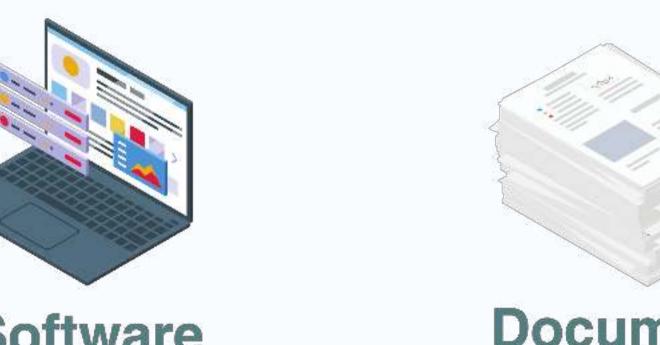






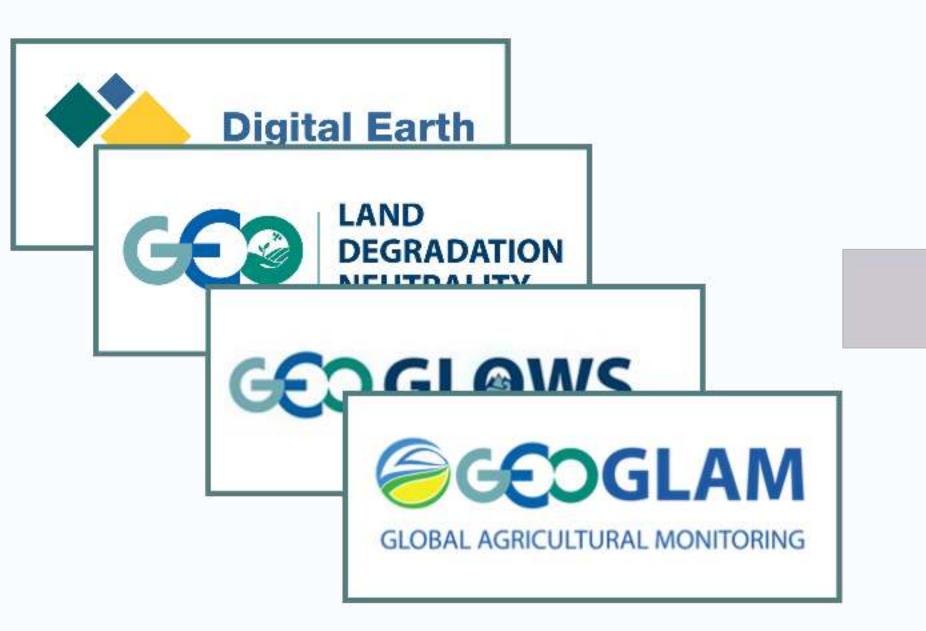








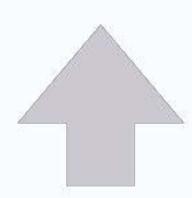


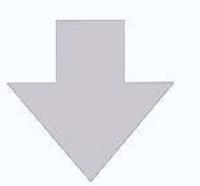








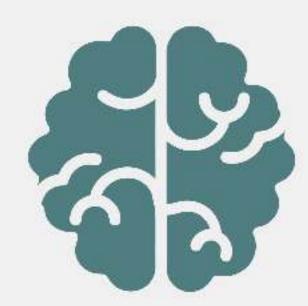






Open Data

Knowledge

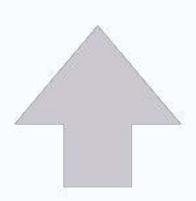


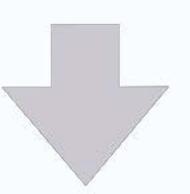




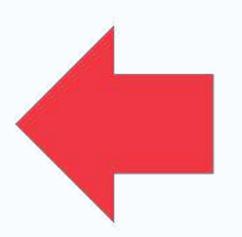












Knowledge

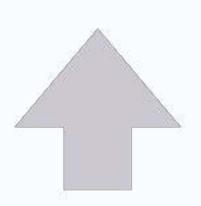




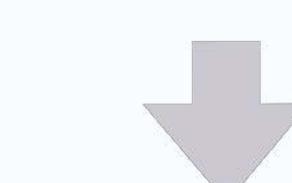




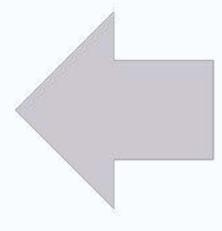






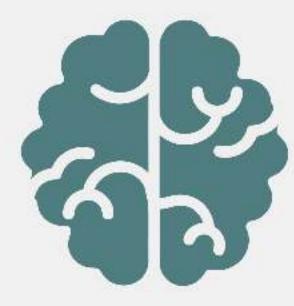






Community

Open Knowledge



Open Data and Open Knowledge



GEO-17 - 23-26 November 2021

GEO-17-4.1

GEO Statement on Open Knowledge

This document is submitted to the 17th Plenary for decision.

1 INTRODUCTION

This document presents the GEO Statement on Open Knowledge (Annex A). It proposes that the statement be reformulated to focus on "Open Knowledge". This concept, while inclusive of Open Science, is considered to be more closely aligned with the GEO Mission and Vision, which aim to support decision making and not only or primarily science.

As GEO moves further down the path towards providing its Members and Participating Organizations with the best evidence-based information from Earth observations possible, an Open Knowledge approach supports this ambition and the GEO Vision. The Statement provides a rationale and impetus for the open context of activities of the GEO Work Programme GEO community, the results of which will in turn be rendered accession. Knowledge Hub.



"Strengthen the capabilities of the GEO Community towards open and reproducible knowledge"





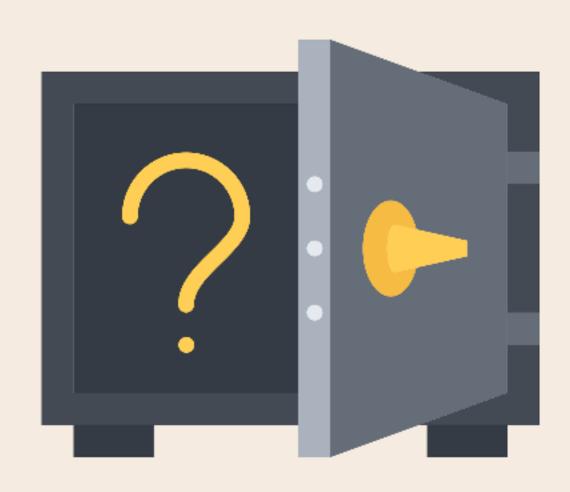


Open

Preserve

Use







Communities



Engage with open, reproducible sharing communities curated by Earth Observation experts



Spatial and Thematic search

Search for applications using spatia locations and Global framework like SDGs, Sendai Framework and Paris Agreement as criteria



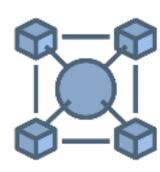
Application management

Manage content and users of EO Applications using Knowledge Packages and high-level dashboards



Real-time exchange

Share Knowledge with the GEO Community in real-time using interactive chat and feedback forms



Interoperability

Access the published materials using well-know standards such as OAI-PMH



Rest API

Access and ingest data using a rich Rest API



Preservation friendly

Persistent identifiers (DOI) by default and execution of continuous data consistency validation

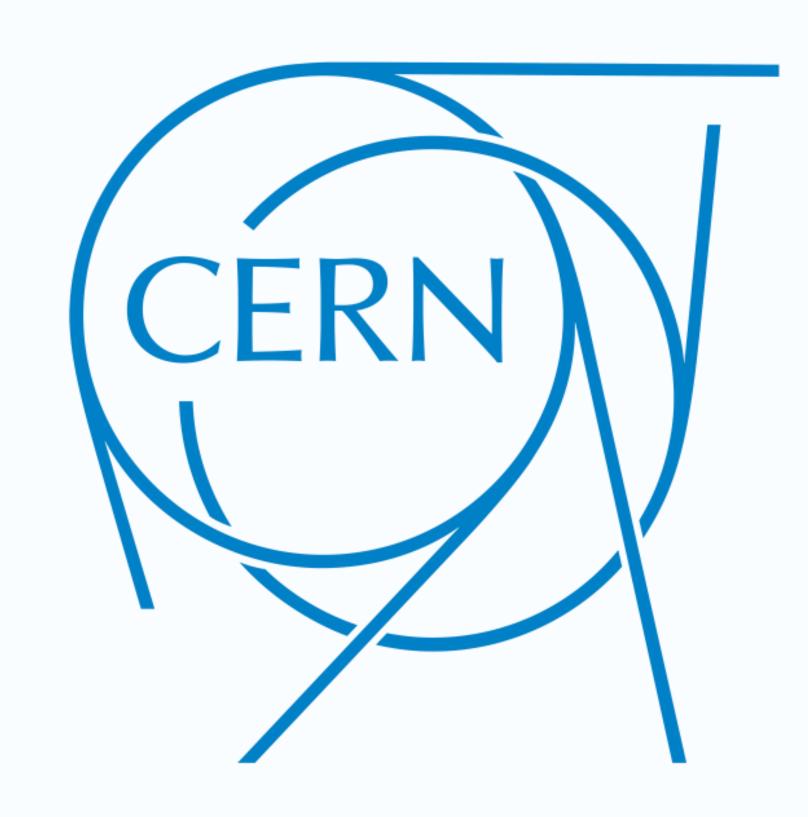


Based on GEO Principles

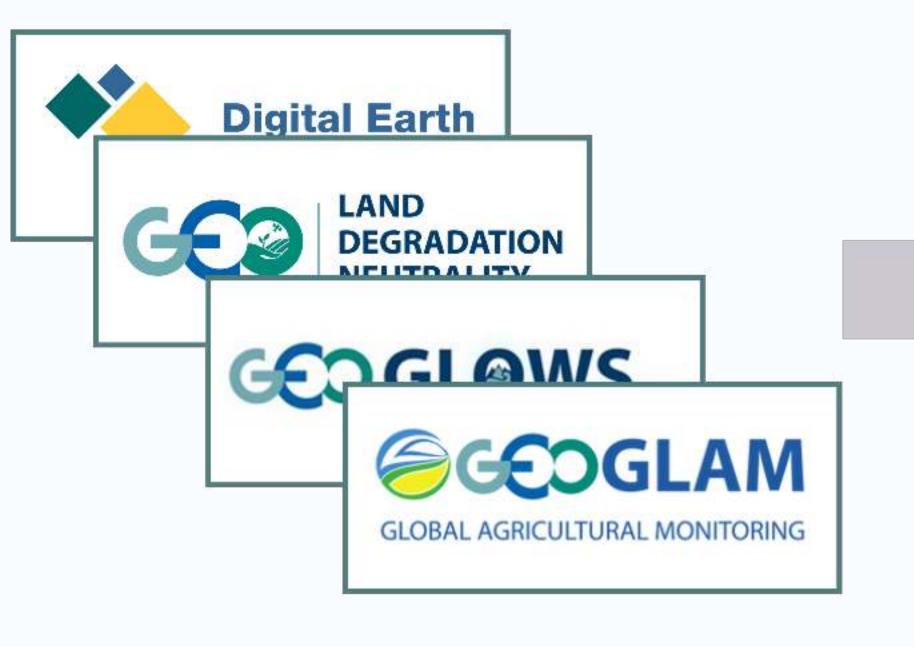
Created based on GEO Data Management and Sharing principles







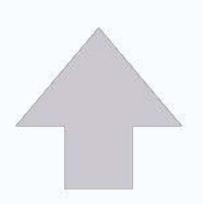
On the shoulders of giants







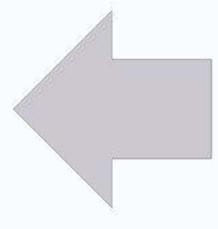






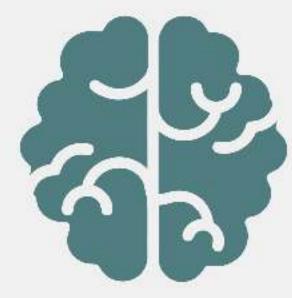






Community

Open Knowledge



Your project / initiative /

institution



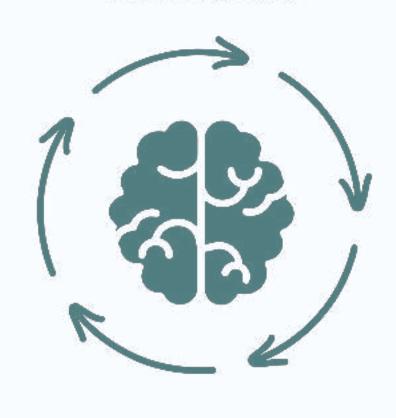
Context





Share













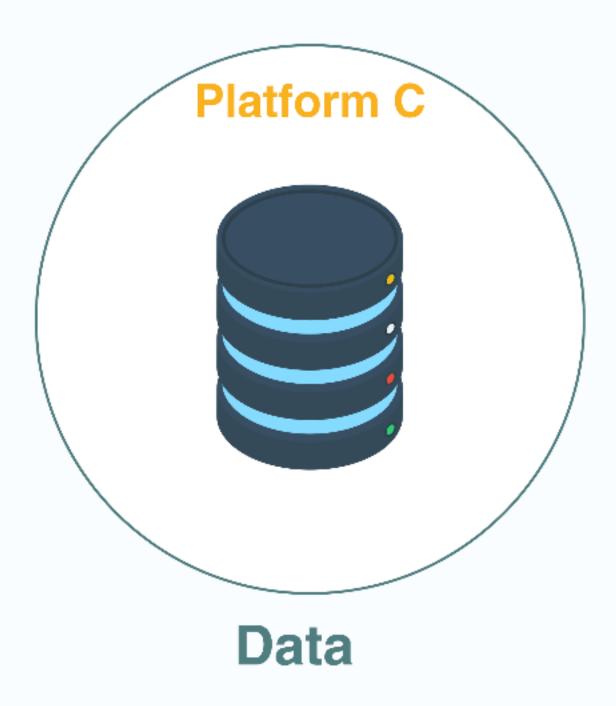
Community



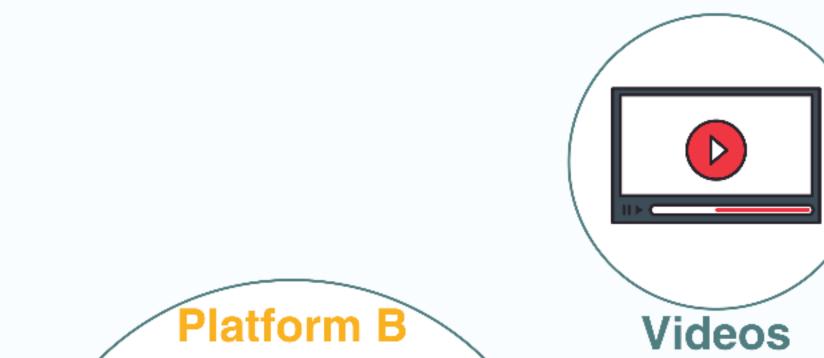














Software



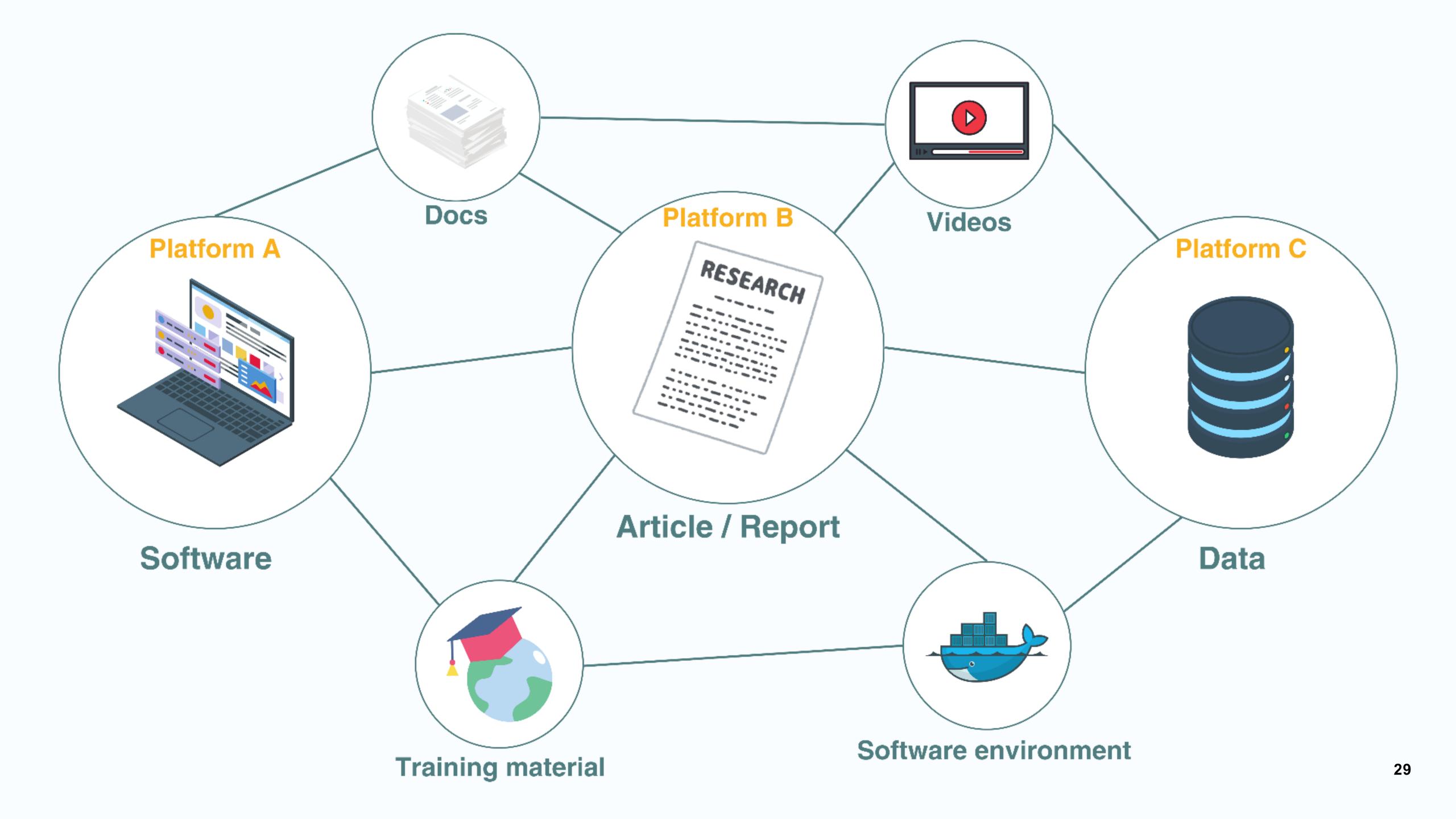


Article / Report

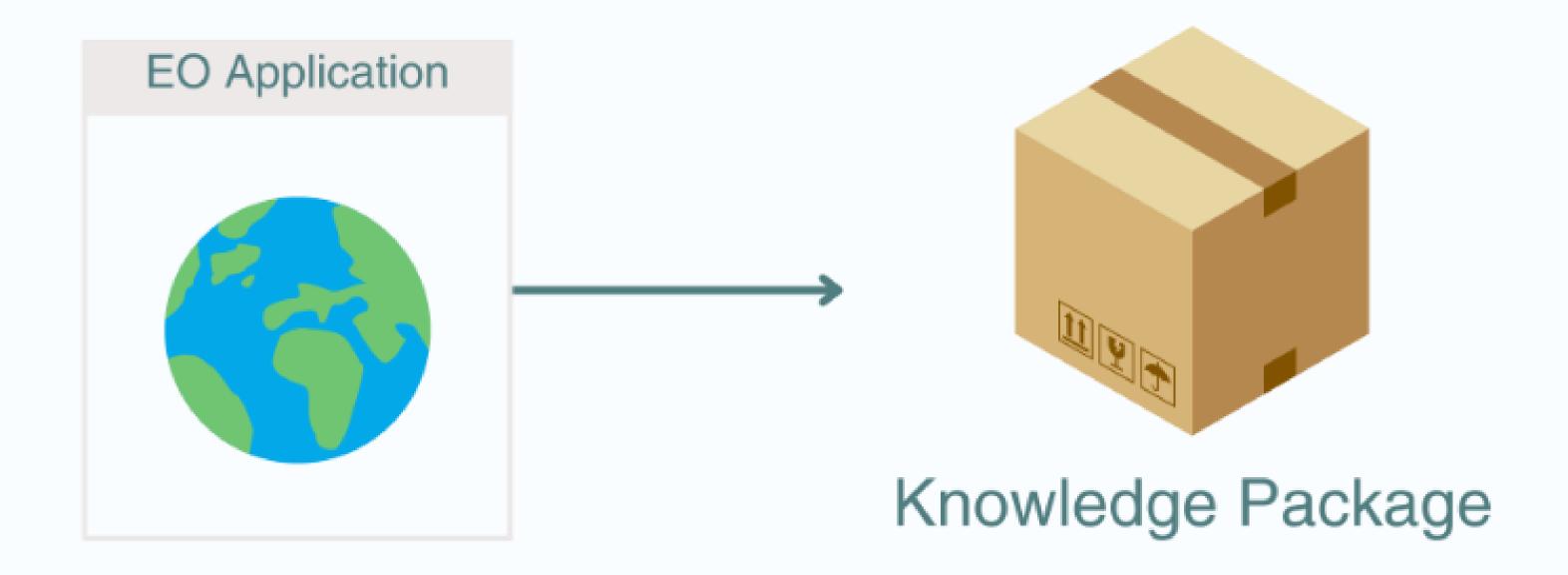
Training material



Data

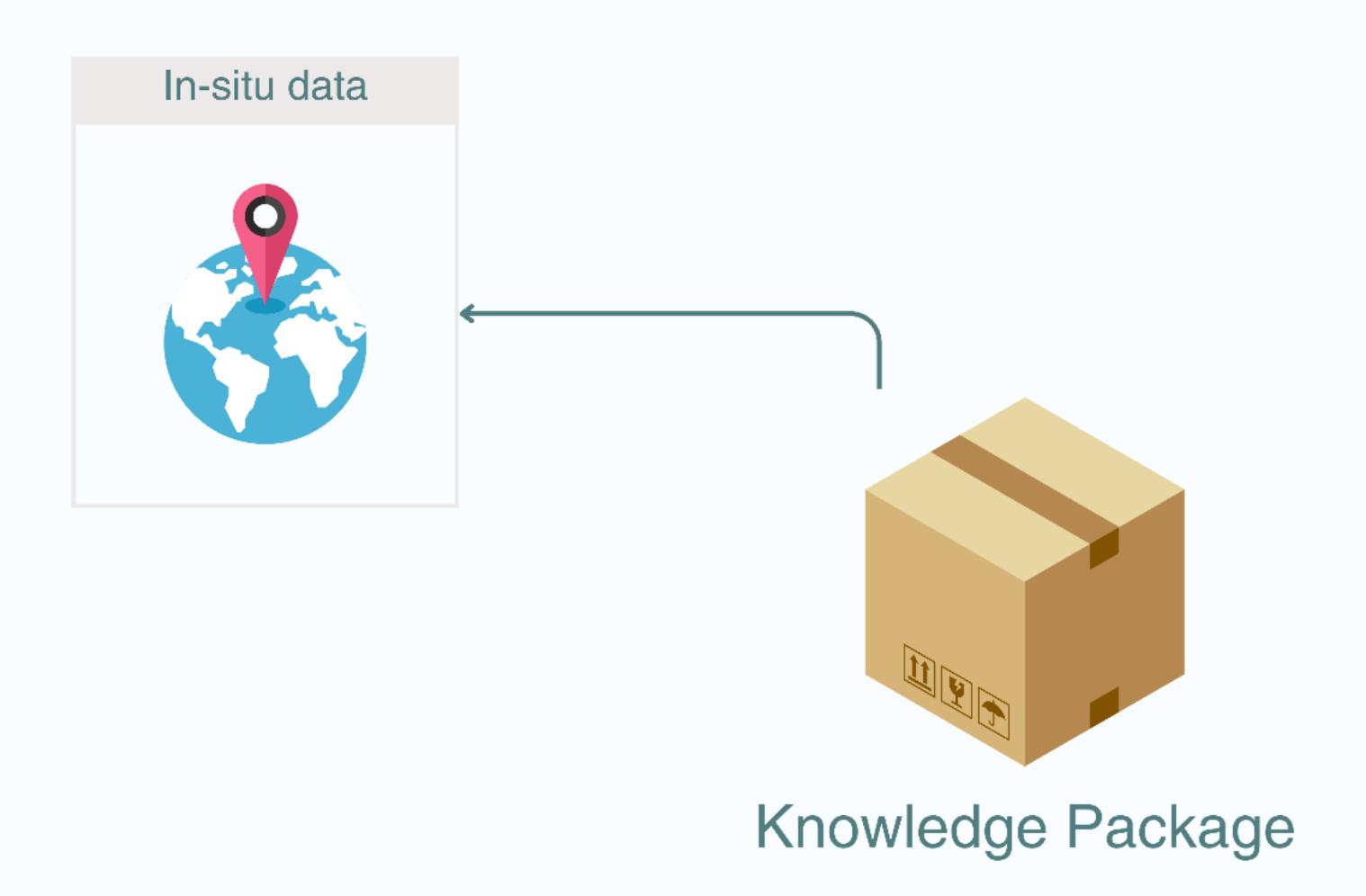


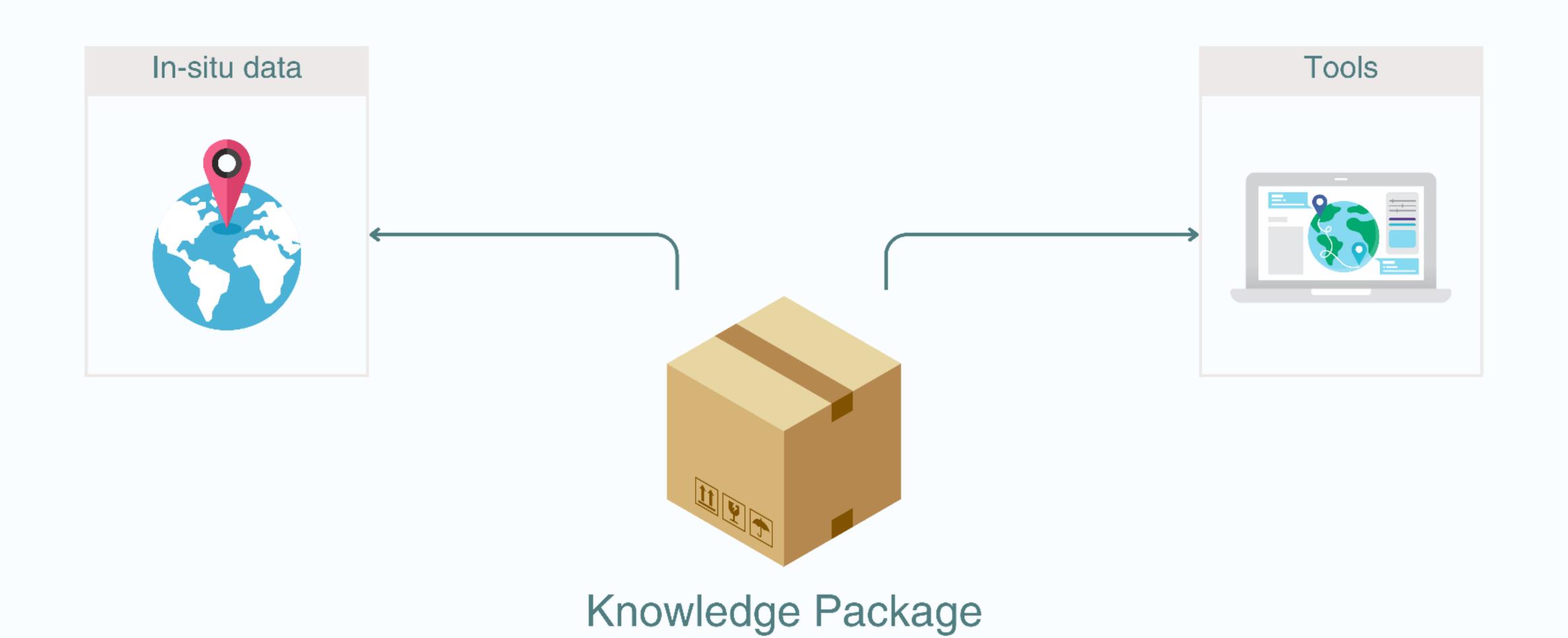


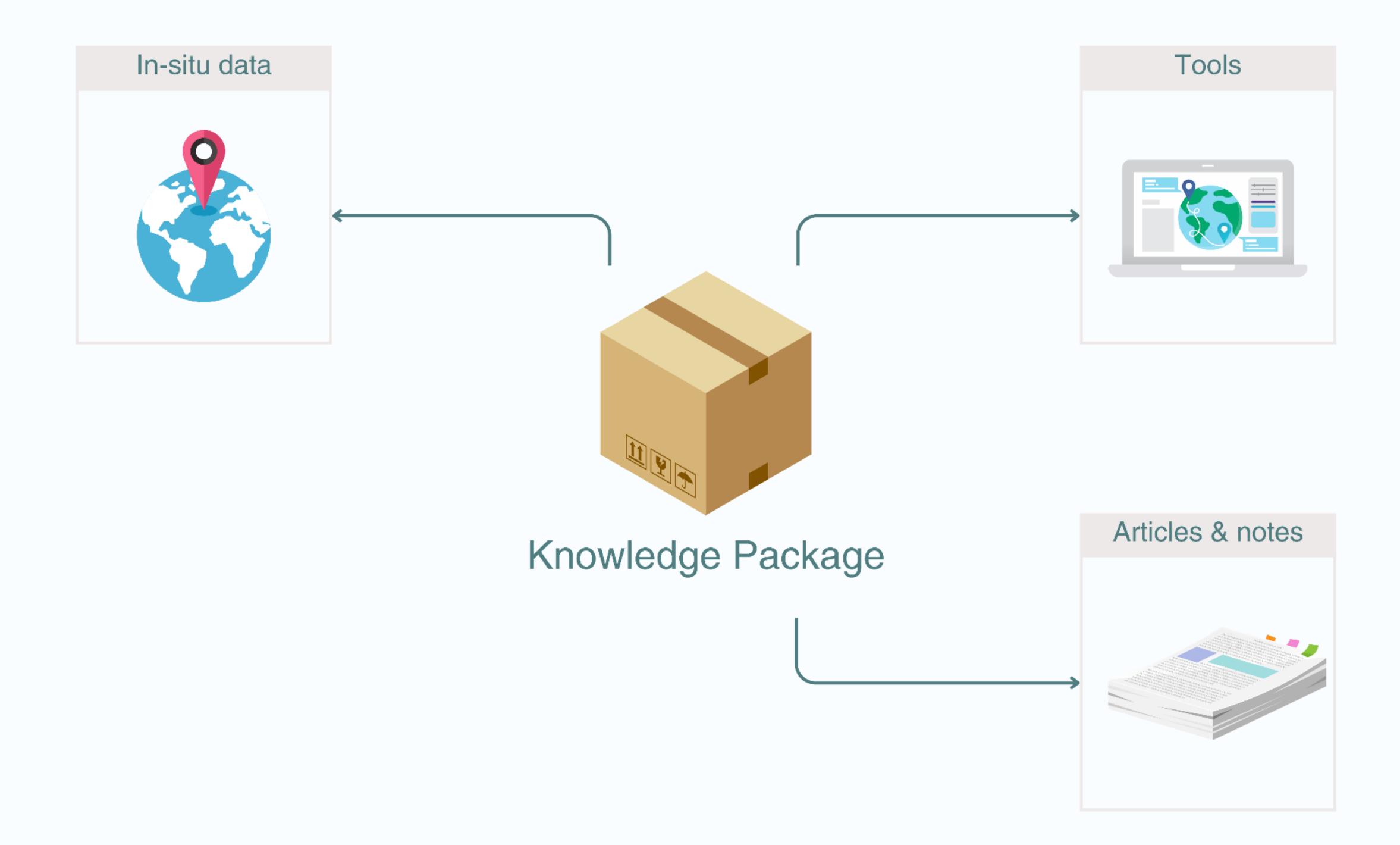


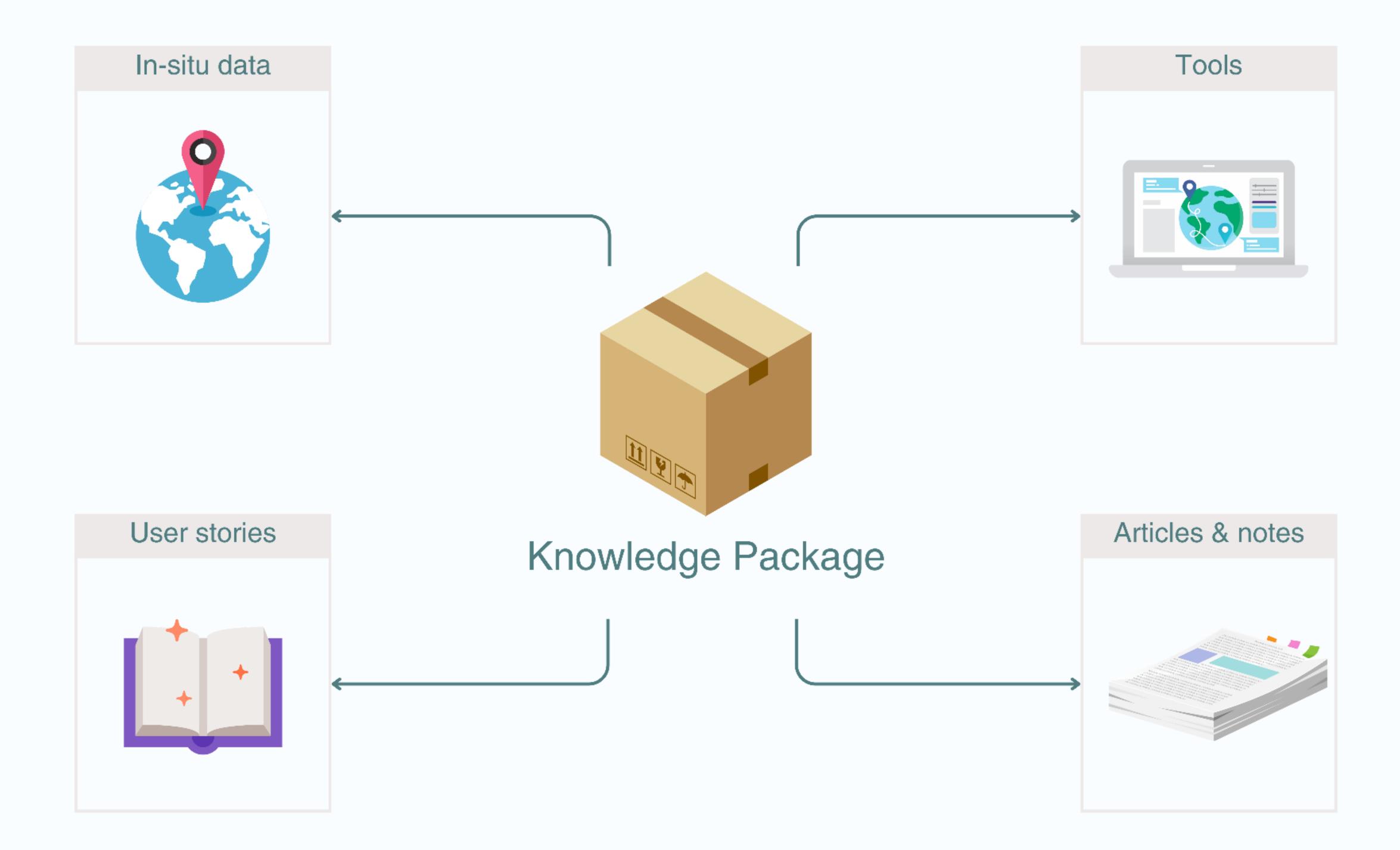


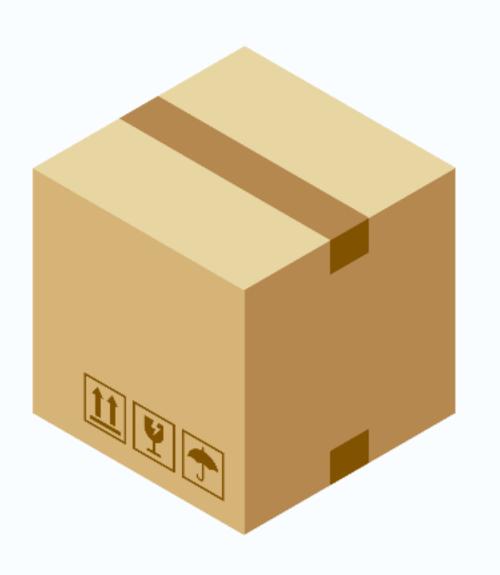


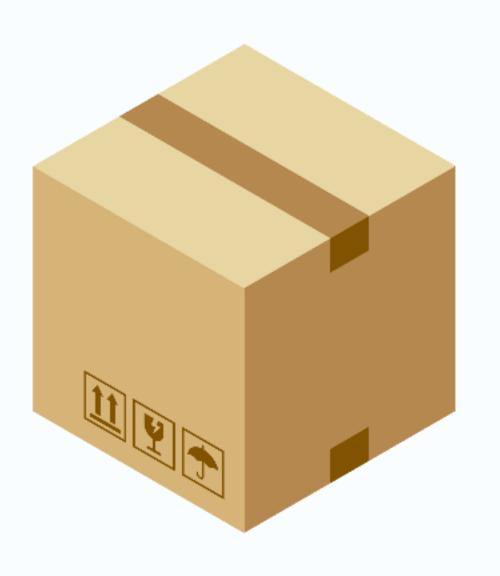






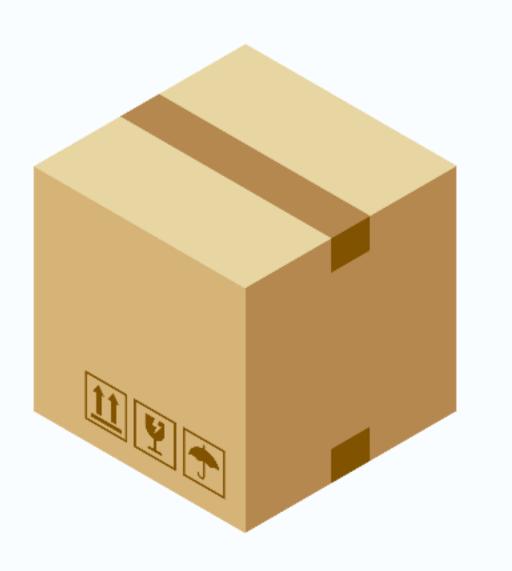






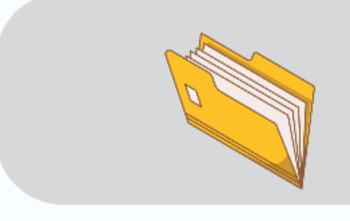


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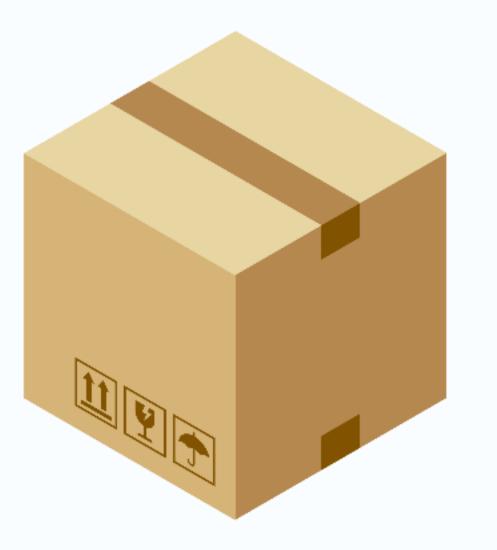


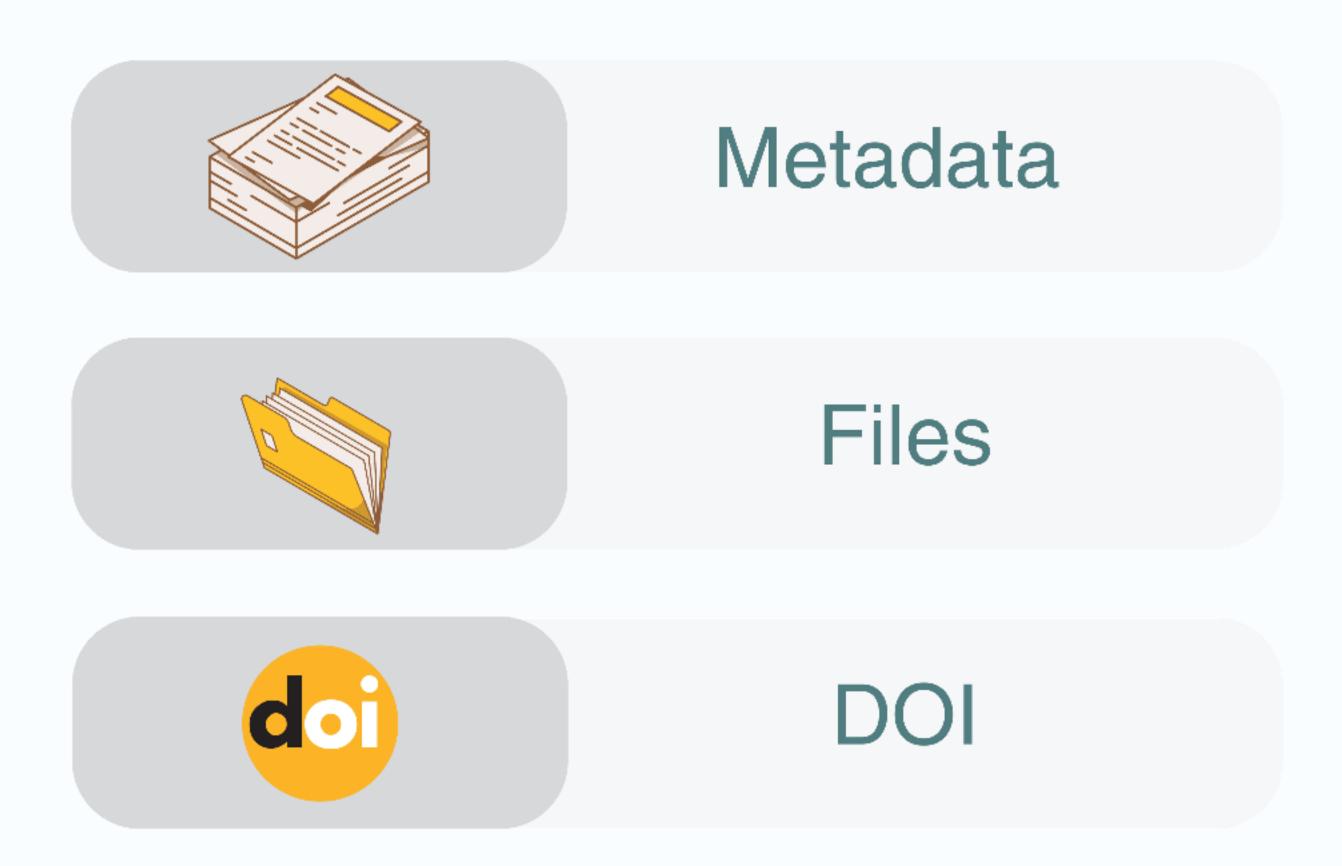


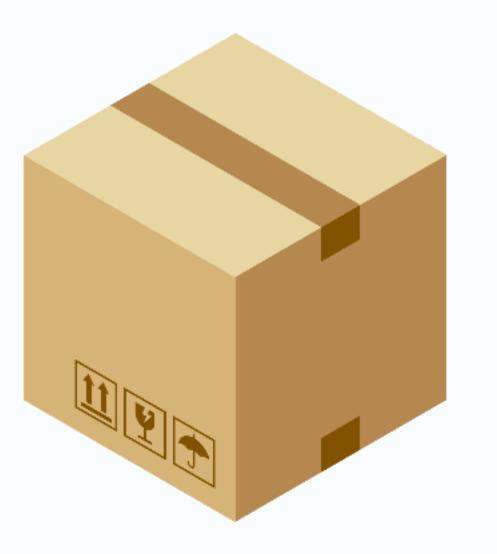
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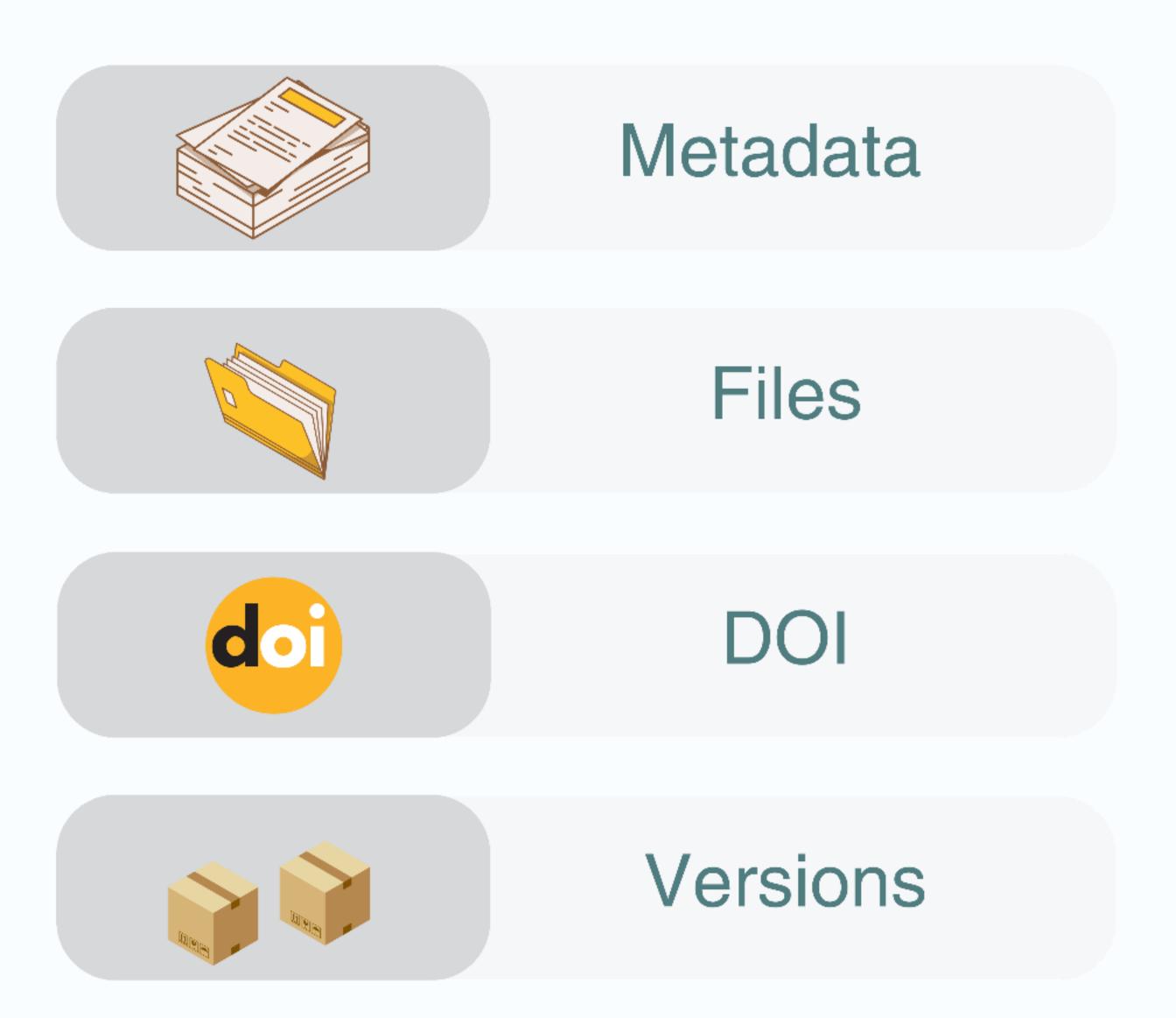


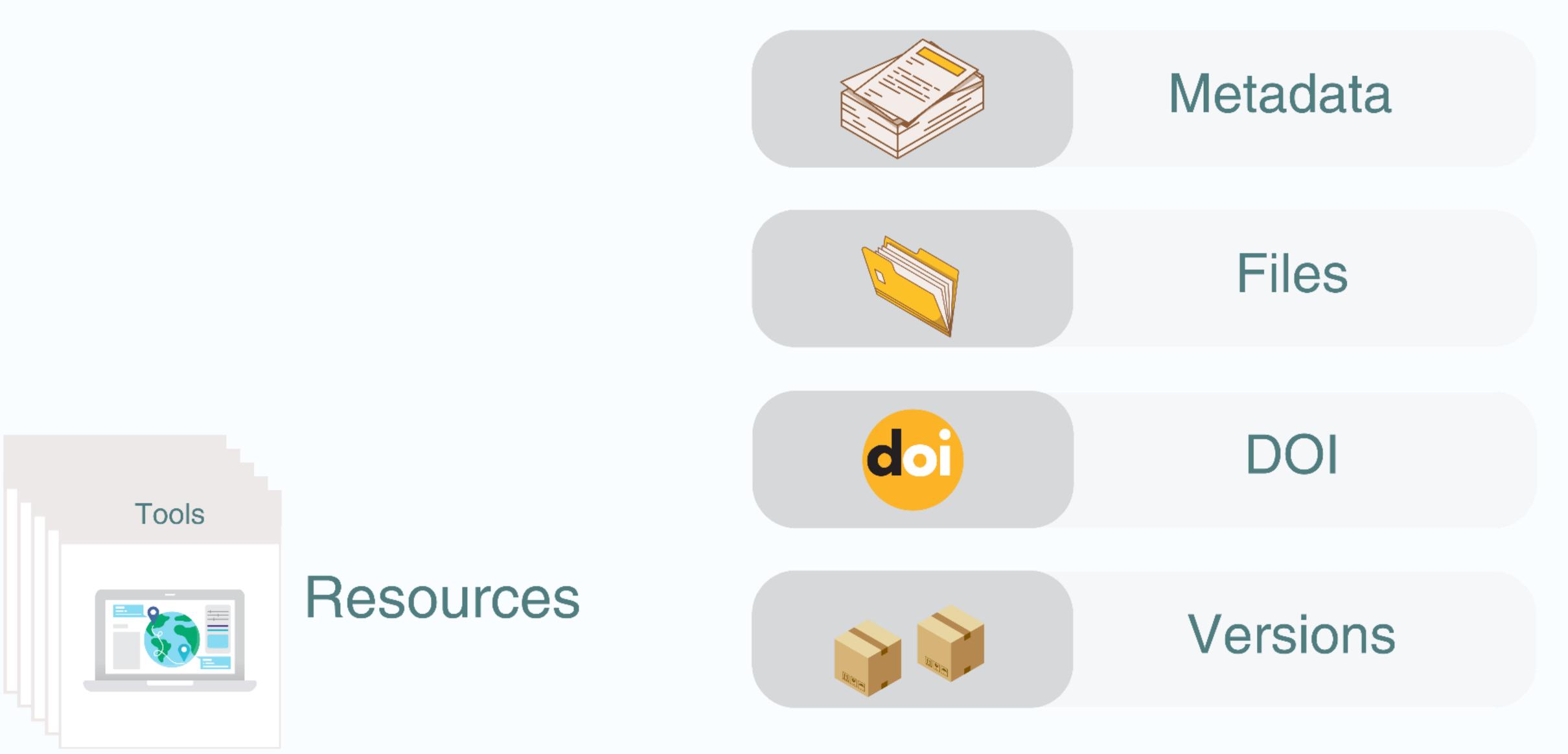
Files







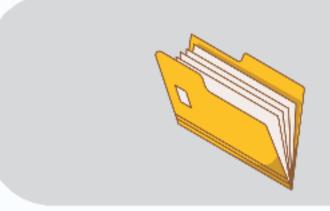








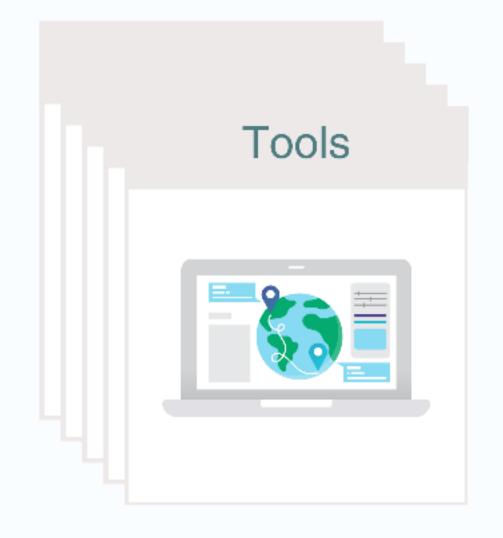
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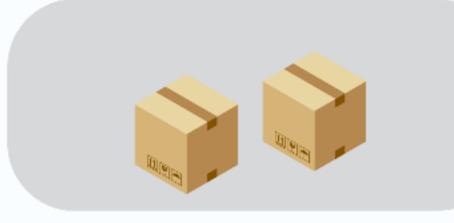
Files



DOI



Resources



Versions

Knowledge Resources





EO4SENDAI Monitoring

GWIS

GEO ECO







GEO Human Planet Initiative



GEOMIN

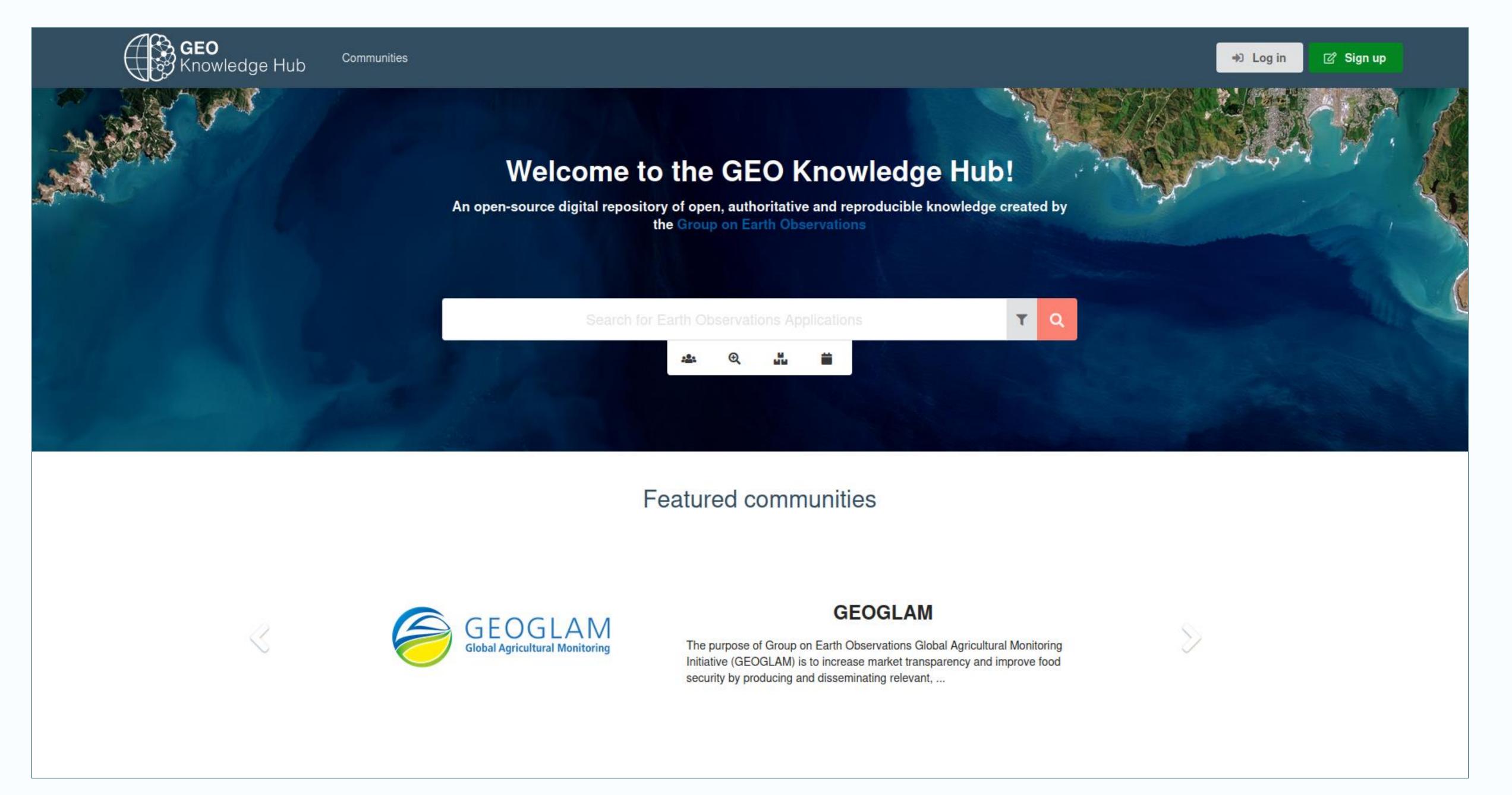
GEO Value



Data and Knowledge Working Group









Practical demonstration



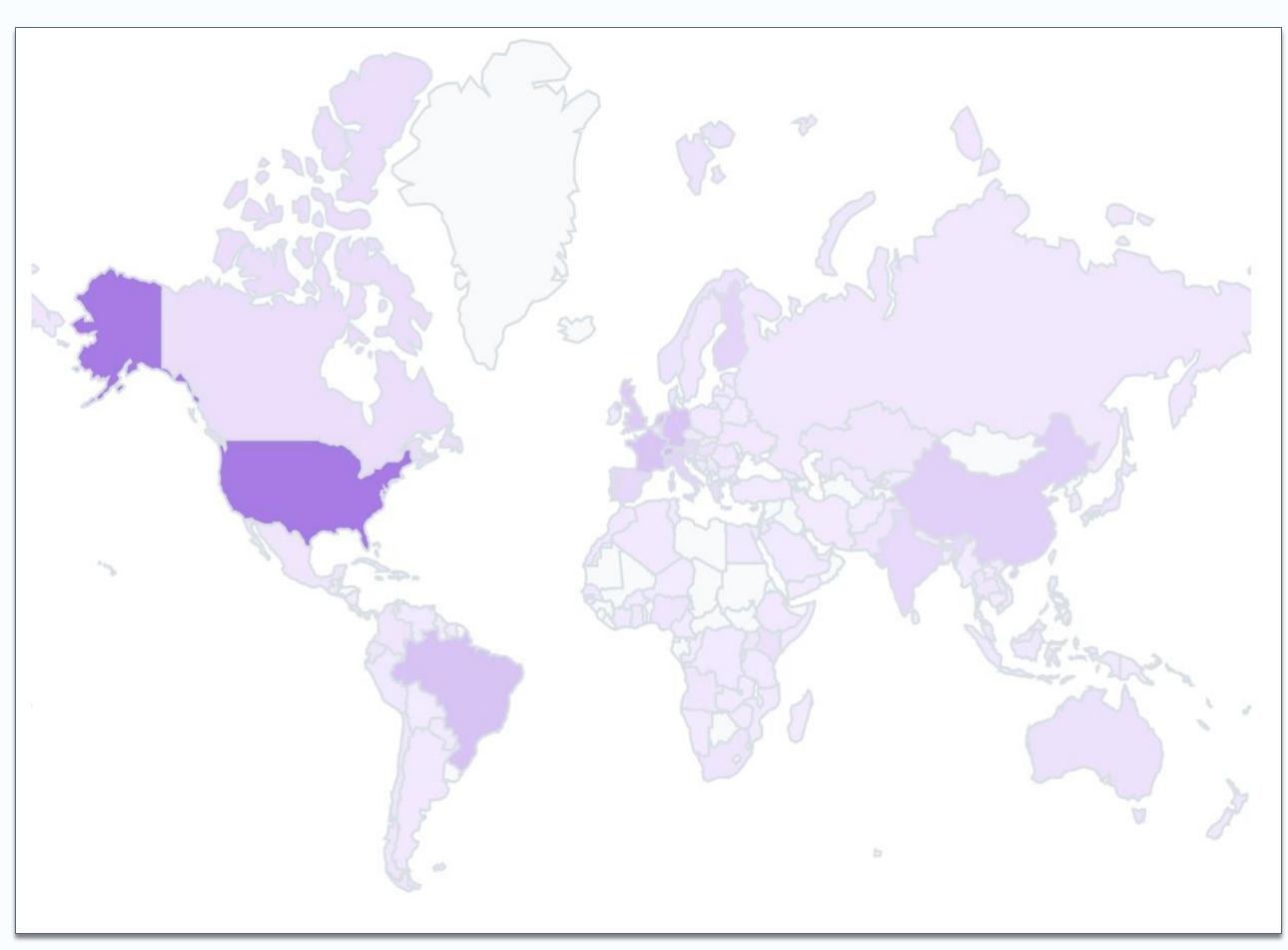
Questions?



Enhancing the connection with the GEO Community

GEO Community access

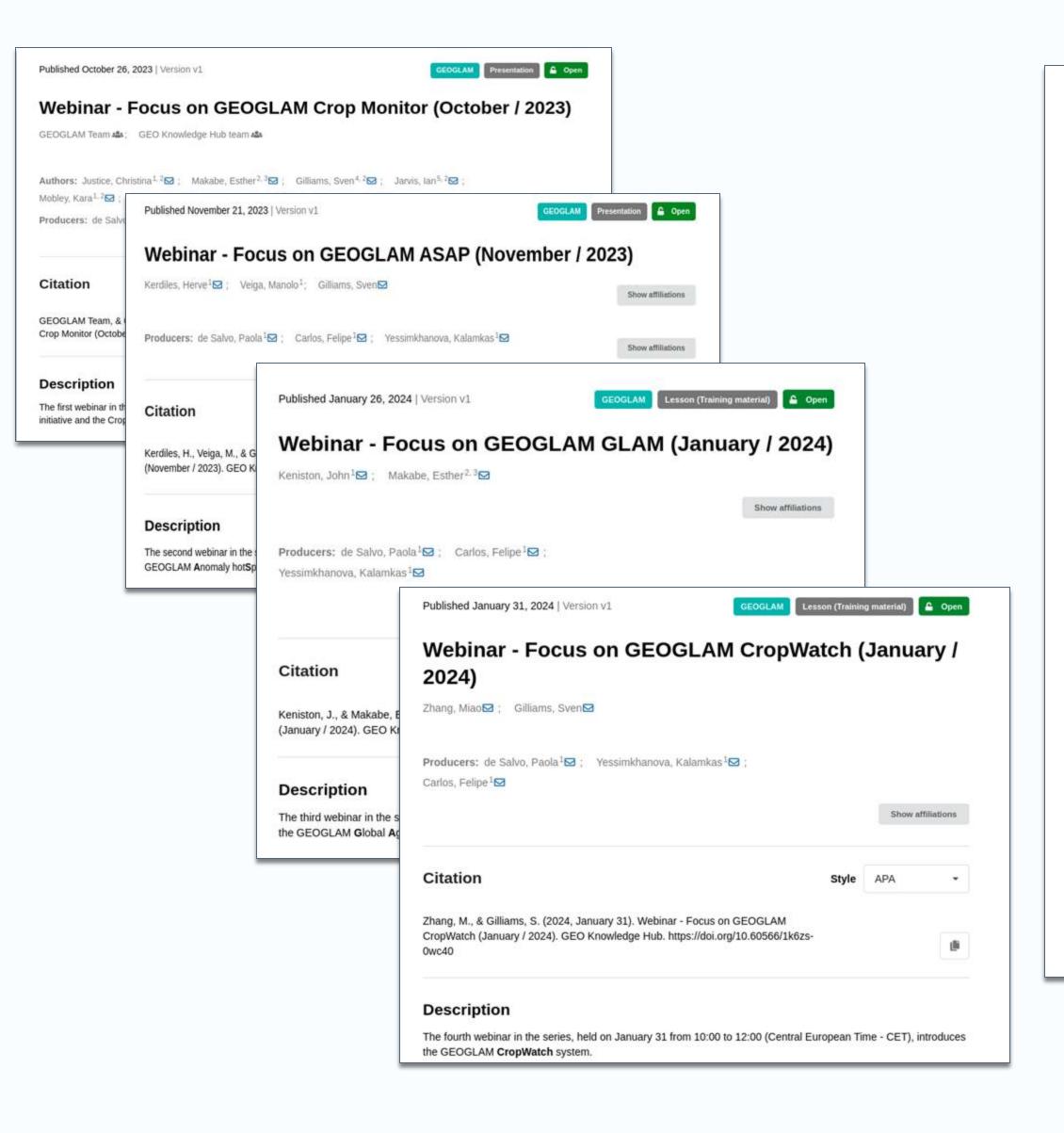
~40.000 views (in the last 12 months)

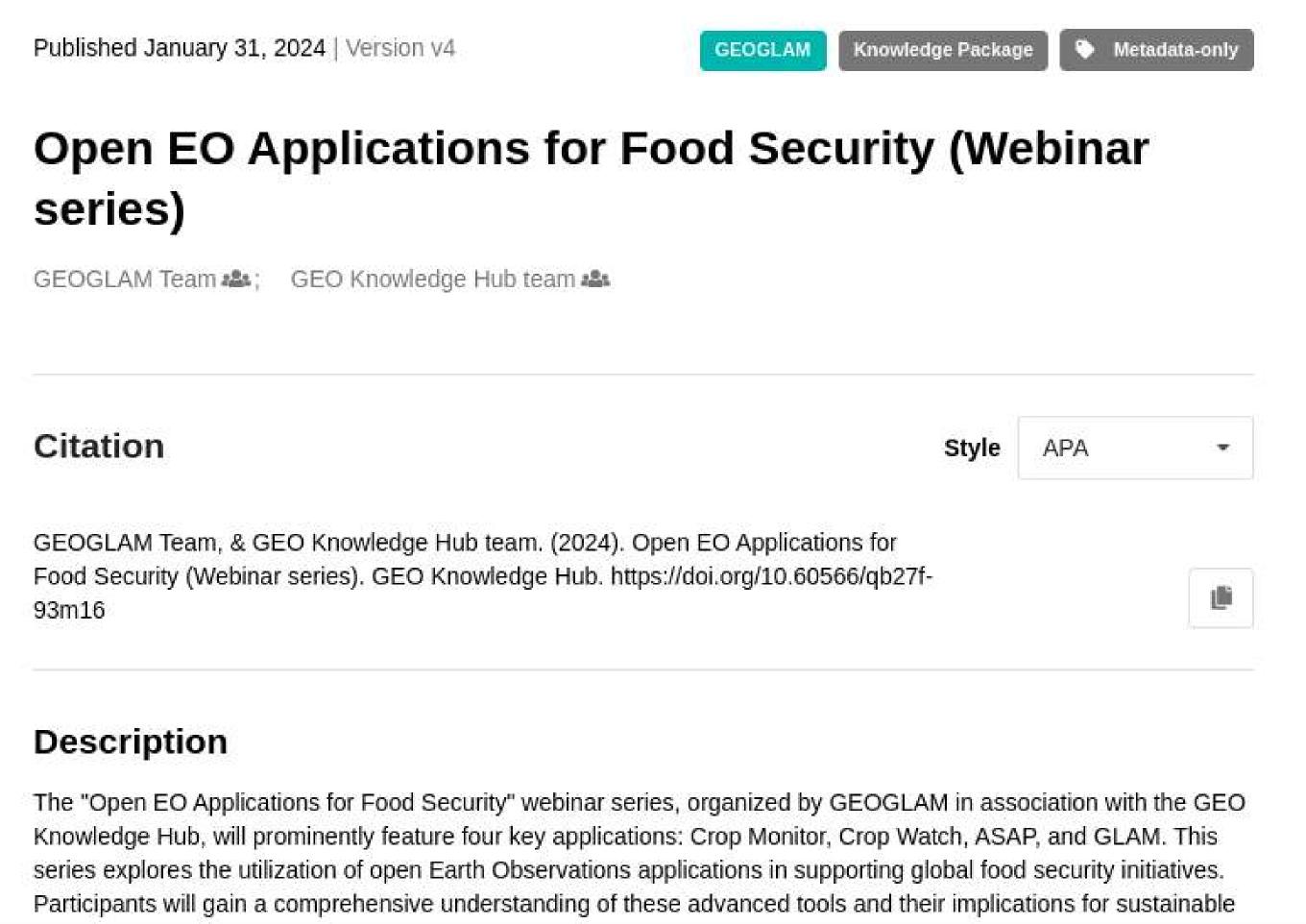


Visitors by country (Stronger color means more visitors)

Note: Metrics are collected with Plausible, a privacy-friendly tool (GDPR, CCPA, PECR compliant tool)

GEOGLAM Webinar series





doi.org/10.60566/qb27f-93m16

GEOGLAM Webinar series (4 webinars)

Open EO Applications for Food Security - Webinar series



240 Attendees

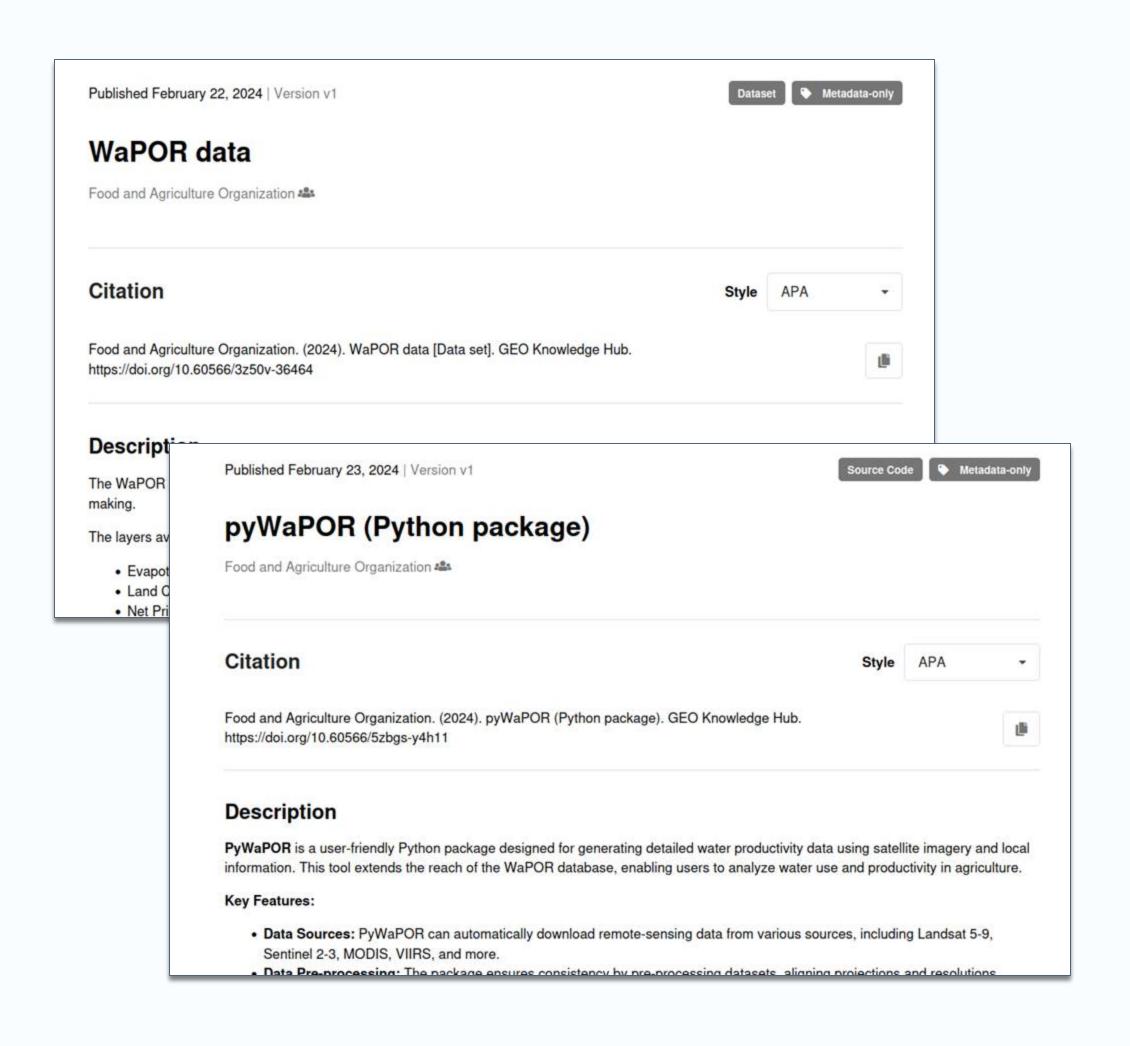


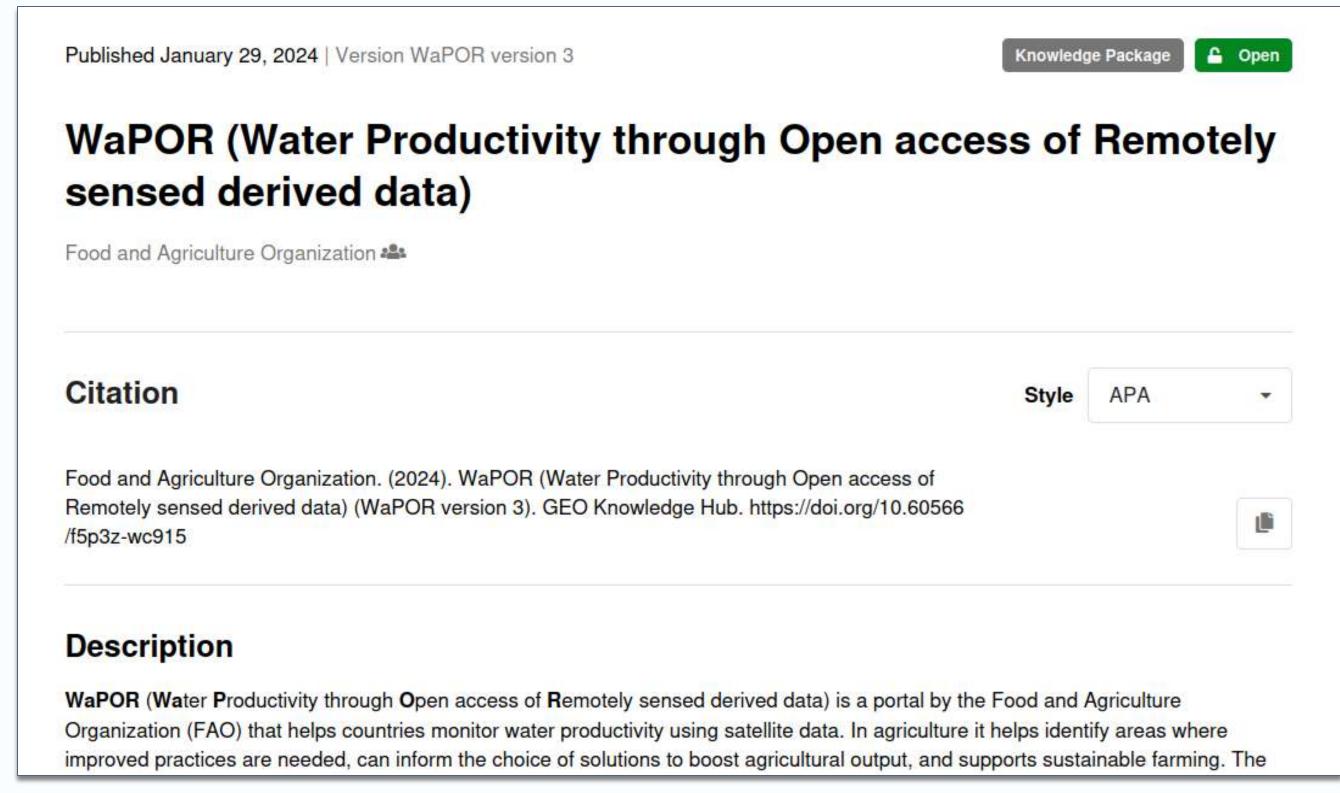
61 Countries



150
Organizations

FAO WaPOR Webinar





doi.org/10.60566/f5p3z-wc915

FAO WaPOR Webinar (1 webinar)

FAO WaPOR - Webinar series



82 Attendees

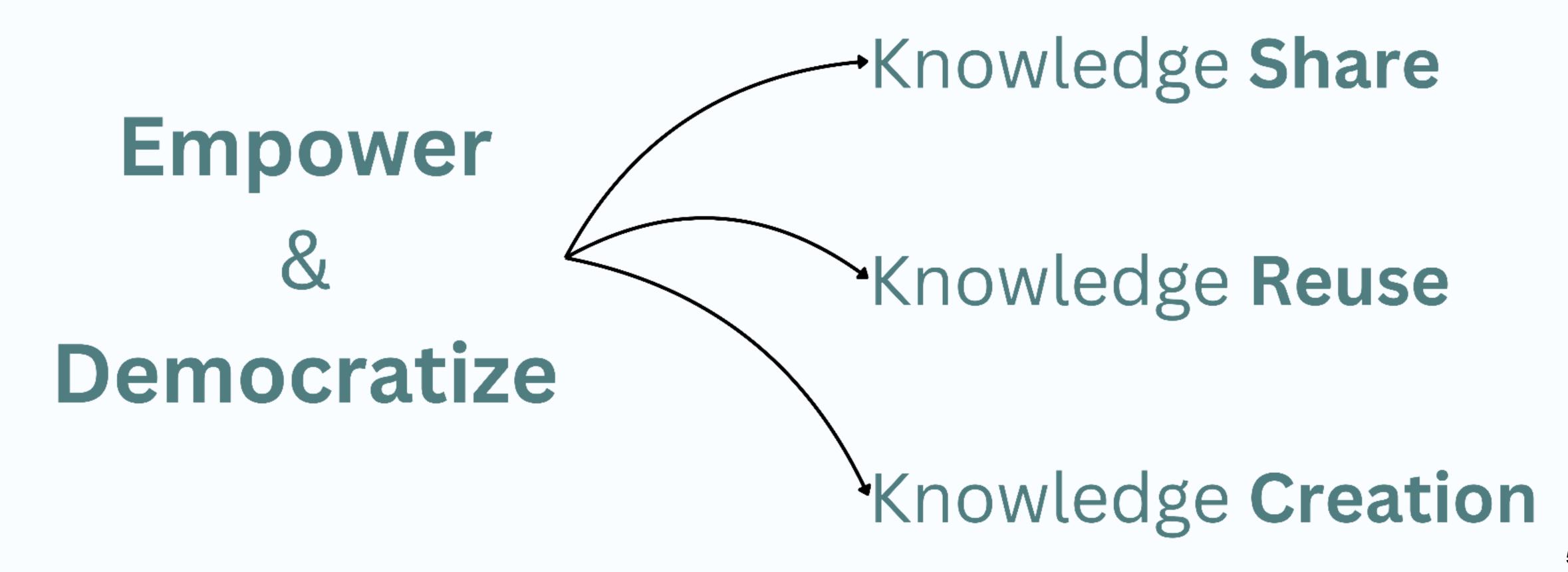


38 Countries



56
Organizations

Witnessing a paradigm shift in GEO supported by the GEO Knowledge Hub



We build with **v** together with the GEO Community

(1) Community effort

(2) On-demand approach

(3) Let's go together





The Data Working Group, the GEOSS Platform, and the GEO Knowledge Hub teams are inviting you for the Open Data Open Knowledge workshop

The ODOK will take place in China from 24-25 September 2024

Registrations are open!

earthobservations.org/events/geo-symposium-and-odok-workshop

"Once you share bread, I have half, you have half. But once you share Knowledge, you and I have all of it"

Thank you!

Group on Earth Observations

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