CONABIO
COMISIÓN NACIONAL PARA EL CONOCIMIENTO Y USO DE LA BIODIVERSIDAD

PROYECTO agro biodiversidad mexicana

Demonstrating the public value of open data infrastructure: the case of SIAgroBD

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csv,conf,v7 - 20 April 2023

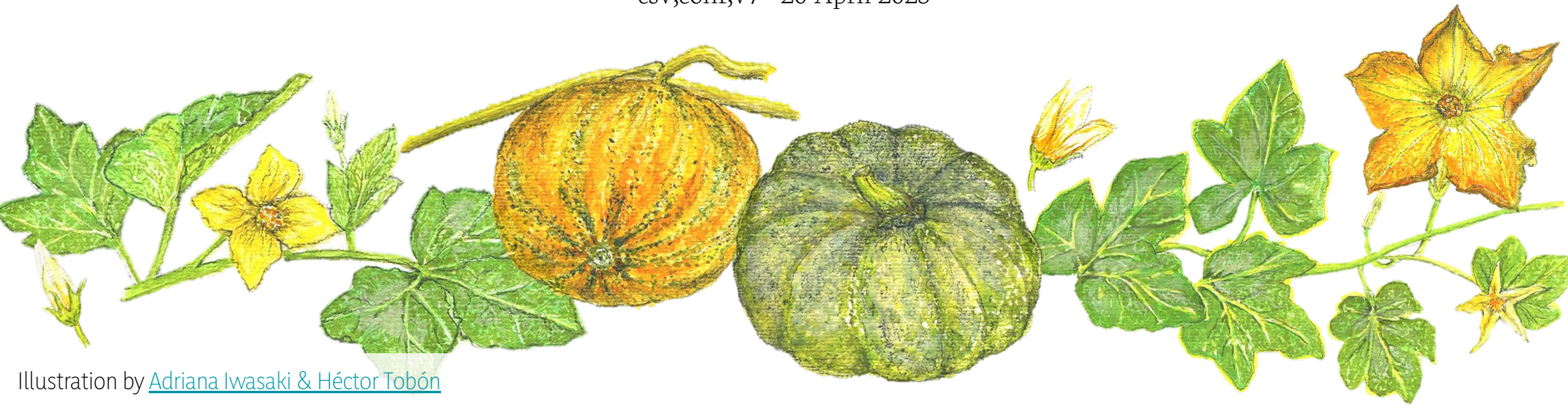

Illustration by Adriana Iwasaki & Héctor Tobón

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The Agrobiodiversity Information System

- Mexican Agrobiodiversity GEF project
- Information system for agrobiodiversity (SIAgroBD):
  - Generate and systematize open data.
  - Native crops in traditional agriculture.
  - Inform food security and conservation policies.

Funding source

Implementing agency

Executing agency

Nutrition, uses and traditions

Seed bank data

Local commerce and production

Field data collection

Photos by Adalberto Ríos, C. Galindo, Archivo GECI

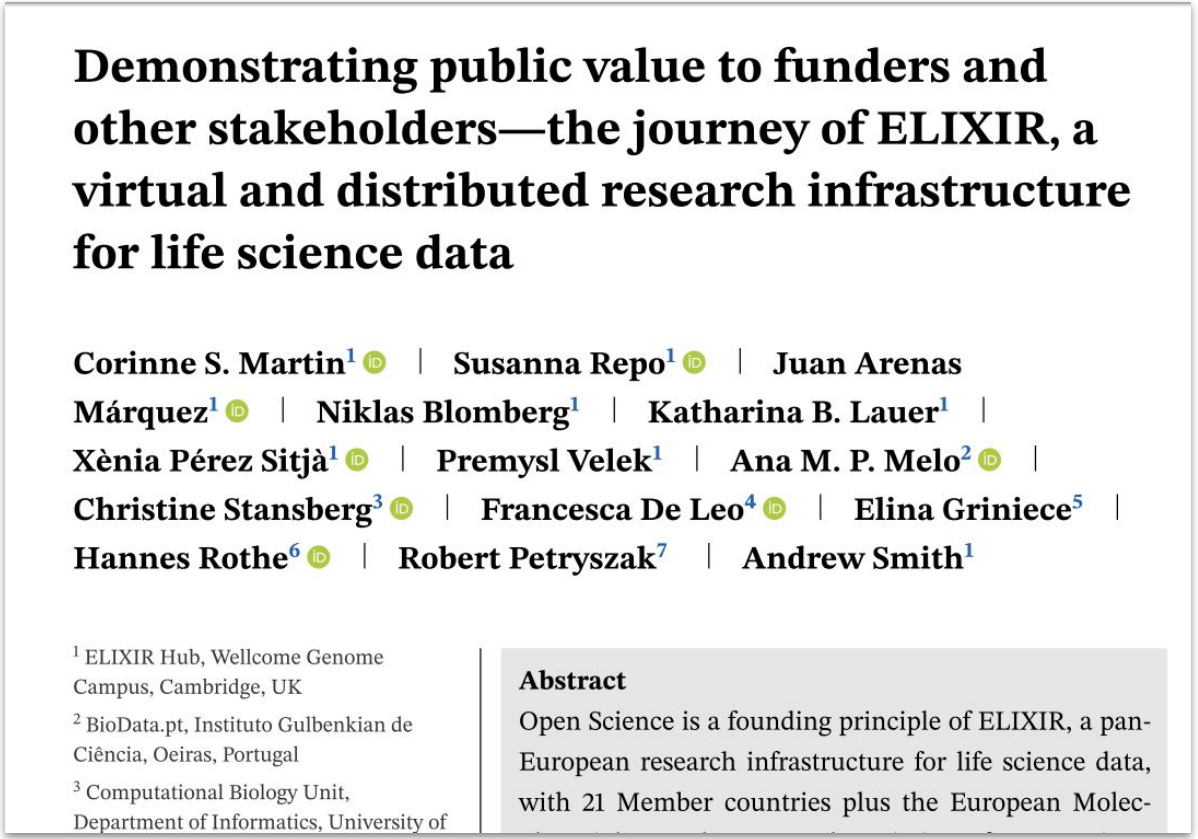
How do we demonstrate public value?

- Our community
  - Funders
  - Students & researchers
  - Government
  - Civil society organizations
  - Research institutions
  - Other areas at CONABIO

Diverse roles, interests and expectations

Inspiration

- But different:
  - Scale.
  - Development stage.
  - Context.



Demonstrating public value to funders and other stakeholders—the journey of ELIXIR, a virtual and distributed research infrastructure for life science data

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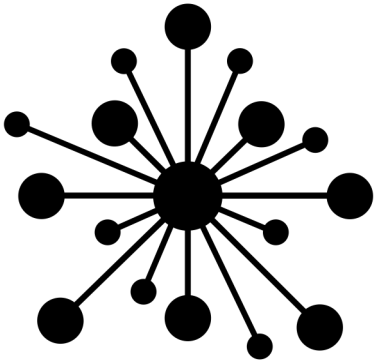
Abstract

Open Science is a founding principle of ELIXIR, a pan-European research infrastructure for life science data, with 21 Member countries plus the European Molec-

https://doi.org/10.1111/apce.12328

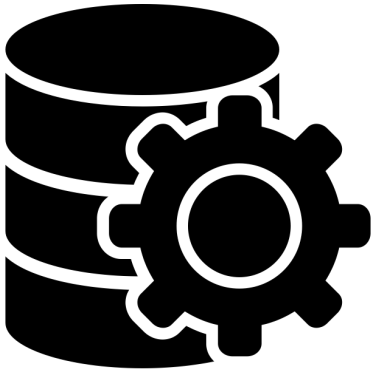
Define a narrative

Data



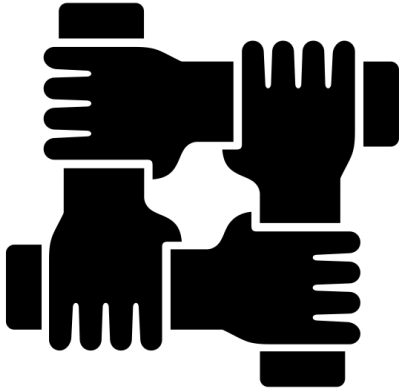
- Most visible.
- Easy to measure.

Tools



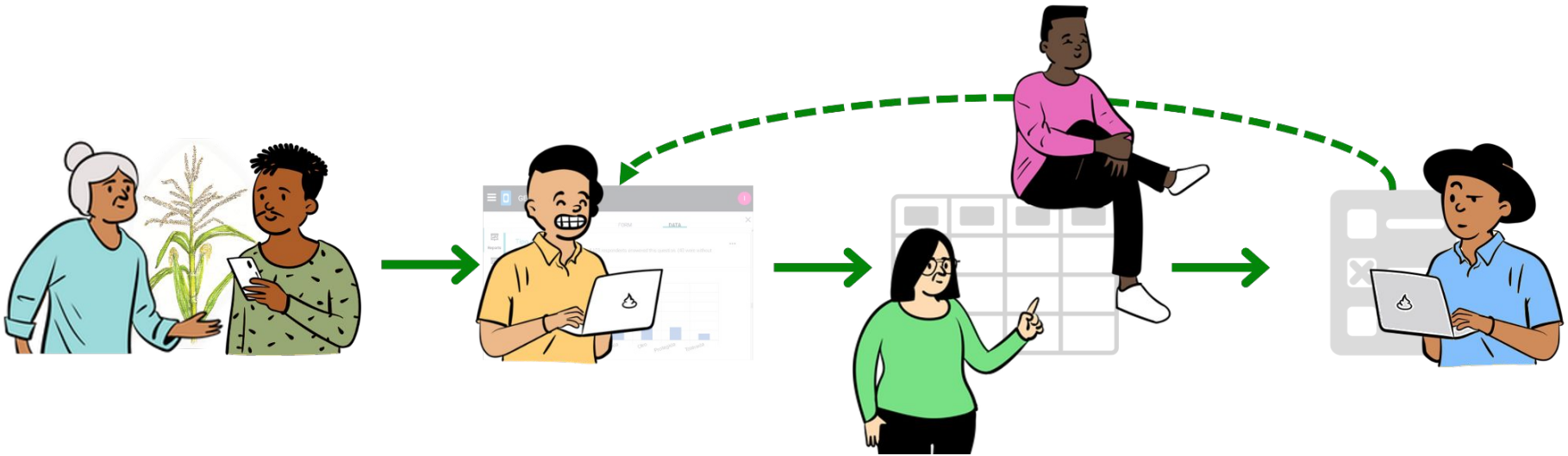
- Development and maintenance are less visible.

Collaboration



- Least visible.
- Difficult to measure.

Define a narrative



Characters via Open Peeps
Icons via The Noun Project
Illustration by Adriana Iwasaki & Héctor Tobón

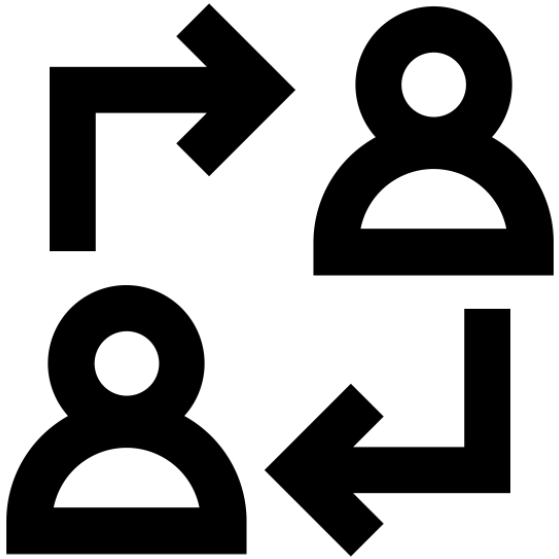
Advocacy through training

- Workshop on data literacy skills.
- Topics:
  - Open and FAIR data
  - Biodiversity data infrastructures
  - Data lifecycle
  - Ethical data use
- Result: increased awareness of open data as a collaborative effort.

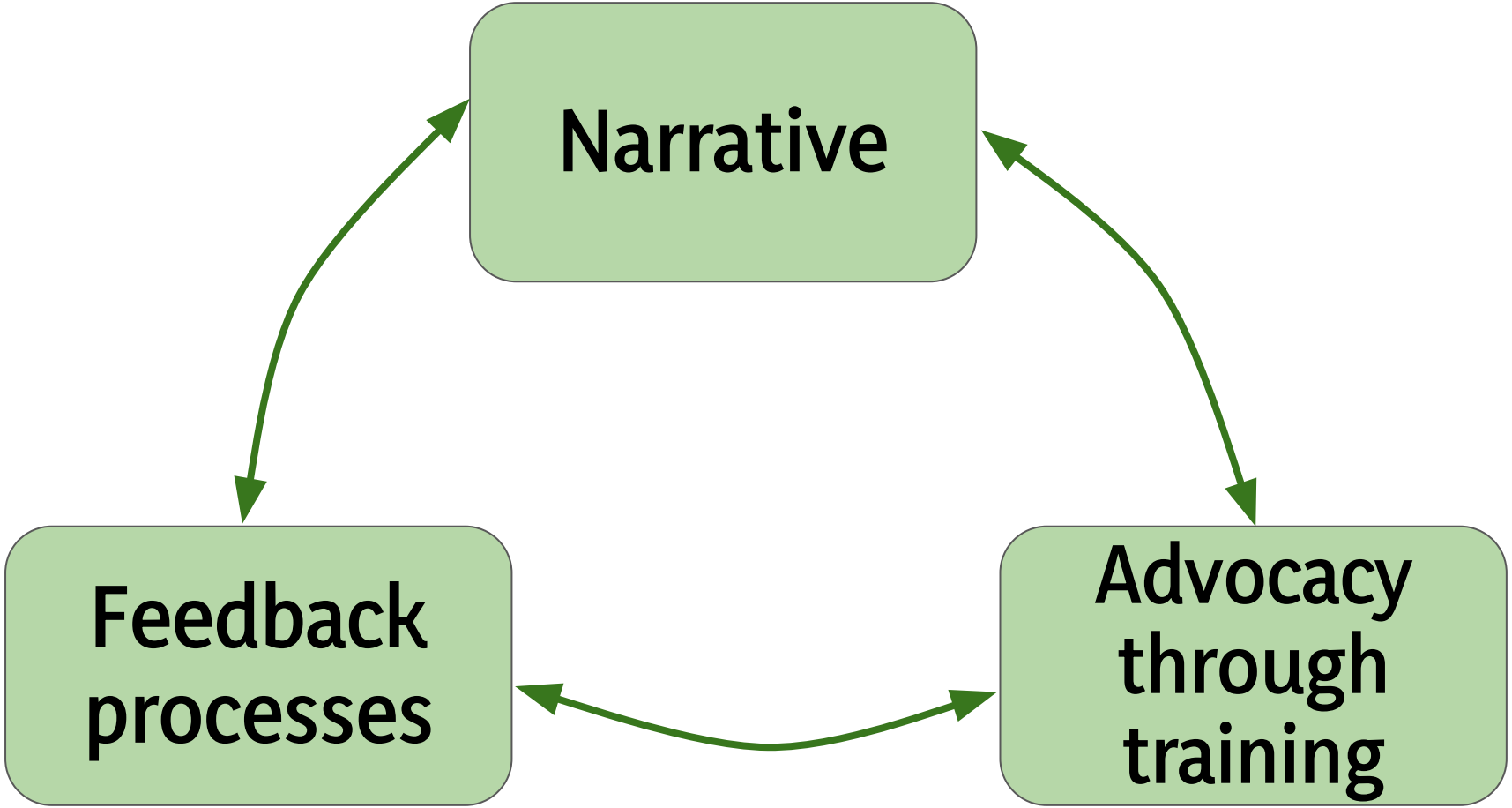
Open Life Science

Establish feedback processes

- With users:
  - Surveys.
  - Focus groups.
  - Knowledge exchange between community members.
- With funders and evaluators:
  - Use & adoption perceived more important than data & publications.



Ask & listen


Narrative
Feedback processes
Advocacy through training

What can we do at a broader scale?

Thank you

SIAgroBD team

Project lead: **Alicia Mastretta Yanes**

Data manager: **Irene Ramos**

Developers and sys. admin.: **Verónica Suaste, Francisco Ramírez, Vivian Bass**

Data analyst: **Alejandro Ponce**

Agrobiodiversity team at CONABIO

Coordinación General de Agrobiodiversidad y Recursos Biológicos

CAB led by **Francisca Acevedo**

CRBPC led by **Lucila Neyra**

GEF Project led by **Vicente Arriaga**

Other collaborating areas at CONABIO

SNIB

Subcoordinación de Inventarios Bióticos

Dirección de Ciencia de Datos para la Biodiversidad

Comunicación de la Ciencia

Subcoordinación de Soporte Informático

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Organización de las Naciones Unidas para la Alimentación y la Agricultura

gef

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