

# Data Science Practitioner Fellowship Cohort 2022



# Mateus Girafa Lachtermacher

## Digital Impact Alliance



FOR A  
POSITIVE  
DIGITAL  
FUTURE



Mateus advocates for social dialogue and evidence-based policymaking in order to improve the SDGs, especially 1 and 2. He specialized in data for economic policies, poverty reduction, financial inclusion, and rural development. His role at DIAL is to support the expansion of the Catalog of Digital Solutions and the Digital Principles. Since he entered in March 2022, Mateus has been helping mainly with the open data, playbooks, organizations and products tabs of the Catalog, and on data about the Digital Principles endorsers and the new intake form for potential endorsers. Mateus comes to DIAL with experience in international contexts and multilateral organizations, such as a field research coordinator at USP, Jr Technical Officer at ILO, and data intern at ENPARD, UNDP Georgia's rural development program. His formation, with an Erasmus Joint Master Degree, was complemented by internships and voluntary experiences across Brazil in the areas of financial democratization, education, and slums development, currently coordinating a voluntary community team in a slum in Duque de Caxias (RJ).

<https://digitalprinciples.org/>

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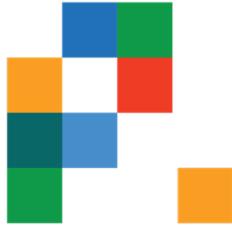
# **Analytics for a Better World**

Thank you for your attention!

<https://analyticsbw.org/>

<https://www.linkedin.com/company/analytics-for-a-better-world/>

[academy@analyticsbetterworld.org](mailto:academy@analyticsbetterworld.org)



# THE PRINCIPLES FOR DIGITAL DEVELOPMENT





# Principles for Digital Development



Design with the User



Understand the Existing  
Ecosystem



Design For Scale



Build For Sustainability



Be Data Driven



Use Open Standards, Open Data,  
Open Source and Open Innovation



Reuse and Improve



Address Privacy and Security



Be Collaborative

Stewarded by **dial** Digital Impact Alliance

[digitalprinciples.org](http://digitalprinciples.org)

#DigitalPrinciples



Uncoordinated  
actors and  
programs

Inflexible  
funding and  
design

Lack of  
participation and  
representation

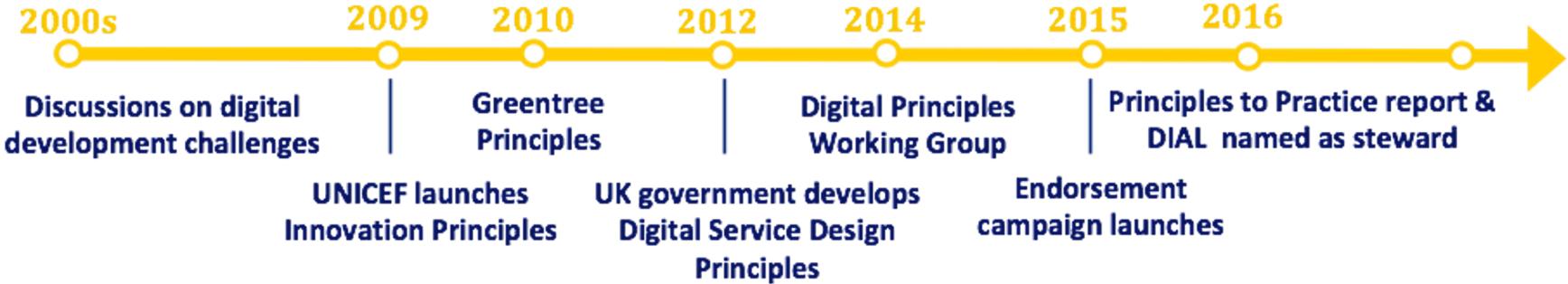
Pilotitis

## WHY THE DIGITAL PRINCIPLES?



Predictable causes of  
failure

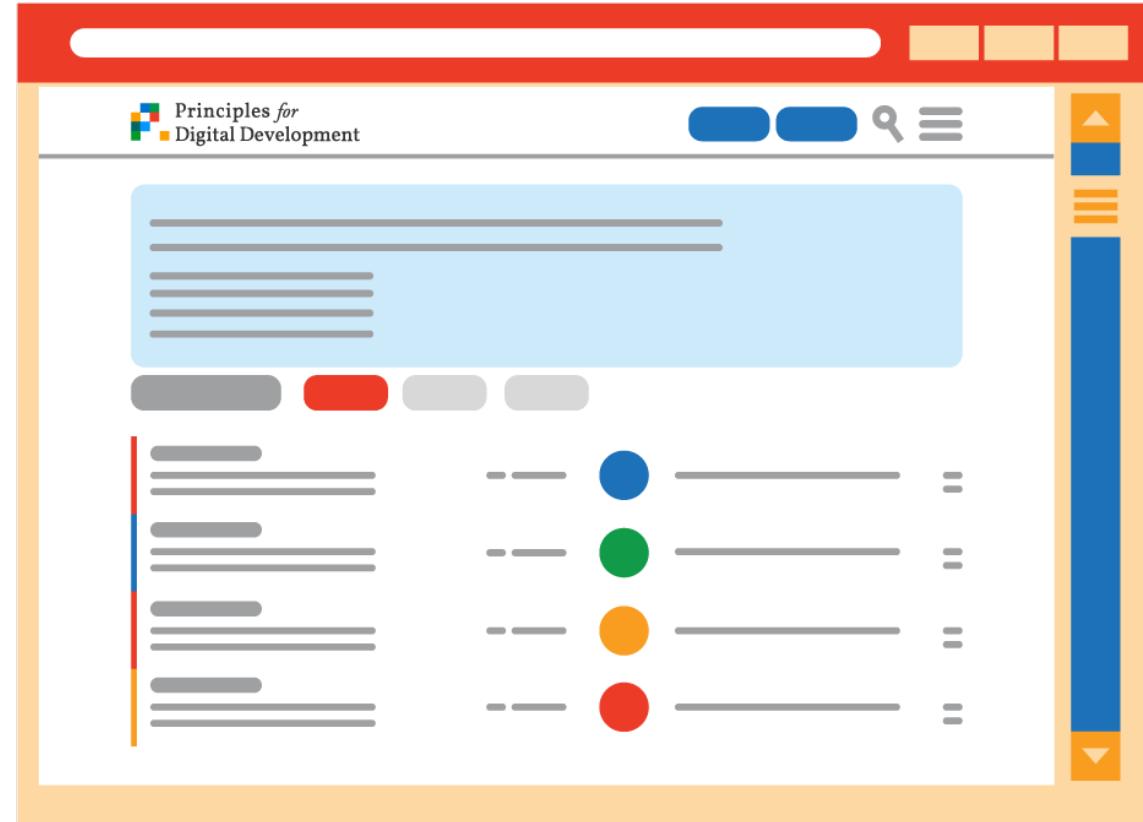
# DIGITAL PRINCIPLES: BRIEF HISTORY



## MAP OF ENDORSERS, as of Oct/062022



# Digital Principles Forum



# Knowledge Products – Resource Library



GUIDE

## Principles of Digital Development Core Tenets

The Principles for Digital Development are comprised of nine core tenets that are designed to help integrate best practices into technology-enabled programs.

Download the one-pager handout below to for a...

Download (pdf)



REPORT

## The Digital Competence Framework for Citizens

JRC research on Learning and Skills for the Digital Era started in 2005 with the aim to provide evidence-based policy support to the European Commission and the Member States on...

Download (pdf)



CASE STUDY

## African Strategies for Health (ASH) Project mHealth Compendiums (Editions 1-6 & Infographic)

The mHealth Compendiums document a range of mHealth applications being implemented primarily in Africa. This series was initially published in November 2012. The series contains case studies organized within five programmatic...

### FILTER BY

#### Resource Type

- Guide (23)
- Case Study (20)
- Tool (9)
- Video (2)
- Report (1)

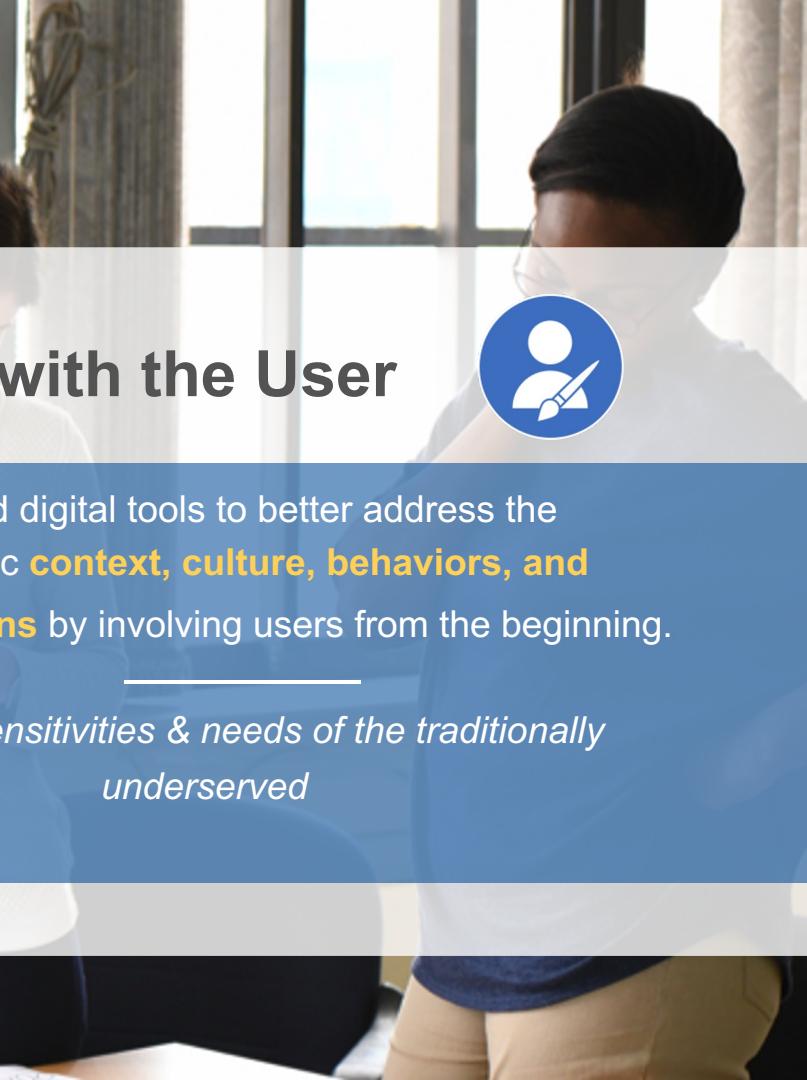
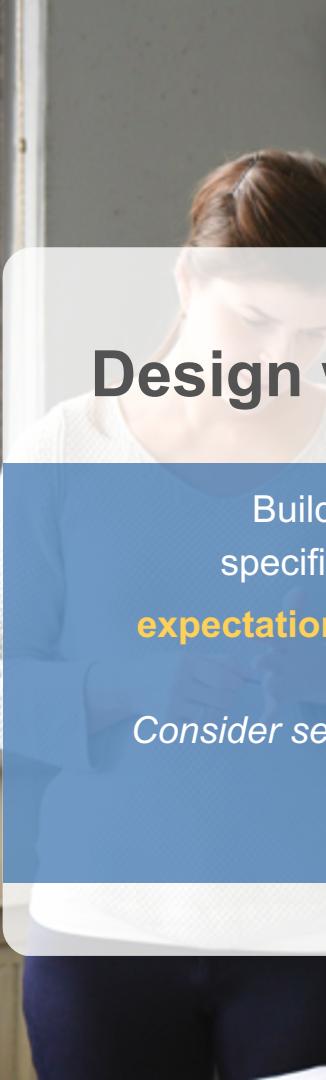
#### Principle

- Design for Scale (15)
- Design With the User (15)
- Understand the Existing Ecosystem (14)
- Use Open Standards,
- Open Data, Open Source, and Open Innovation (12)
- Be Collaborative (11)

[See 4 more](#)

# **WHAT ARE THE 9 DIGITAL PRINCIPLES?**





## Design with the User



Build digital tools to better address the specific **context, culture, behaviors, and expectations** by involving users from the beginning.

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*Consider sensitivities & needs of the traditionally underserved*



## Understand the Existing Ecosystem



Learn about the **people, networks, cultures, politics, infrastructure, and markets** that make up your ecosystem so you don't duplicate efforts or violate norms.

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*Align with existing technological, legal, & regulatory policies*



## Design for Scale



Think beyond a pilot and make choices that will  
**enable widespread adoption later**

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*Consider your funding model, including  
revenue- generation options, social business  
models, & cost per user*

A photograph showing several people at a conference table. In the foreground, a man on the left and a woman on the right are smiling. The woman has dark hair and is wearing a dark blazer over a light-colored shirt. A laptop on the table has a sticker that says "G74 Green Government".

## Build for Sustainability



Collaborate with stakeholders to define what sustainability and **long-term ownership** looks like, then develop a plan for how to achieve it.

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*Engage local governments &  
integrate national strategies*



## Be Data Driven



Design programs so that **impact can be measured continuously and incrementally**, focusing on outcomes, not just outputs.

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*Quality information is available to the right people when they need it, and they are using those data to take action.*



## Use Open Standards, Open Data, Open Source, and Open Innovation



Take advantage of existing investments in technology when you are able to **increase collaboration and prevent duplication of work.**

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*Being “open” depends on practical and technical constraints, security/privacy concerns, and the dynamics of the people and networks in your space*



## Reuse and Improve



Assess what resources are currently available, **iterate on them to improve applicability or quality**, and use them as they are to meet program goals.

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*Take the work of the global development community further than any organization or program can do alone*



## Address Privacy and Security



In digital development, this involves careful consideration of which **data are collected** and how **data are acquired, used, stored and shared**

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*Pretend like it is your information and handle it accordingly.*



## Be Collaborative



Seek out opportunities to partner with others, **sharing information, insights, strategies, and resources** to ensure the collective success of the community.

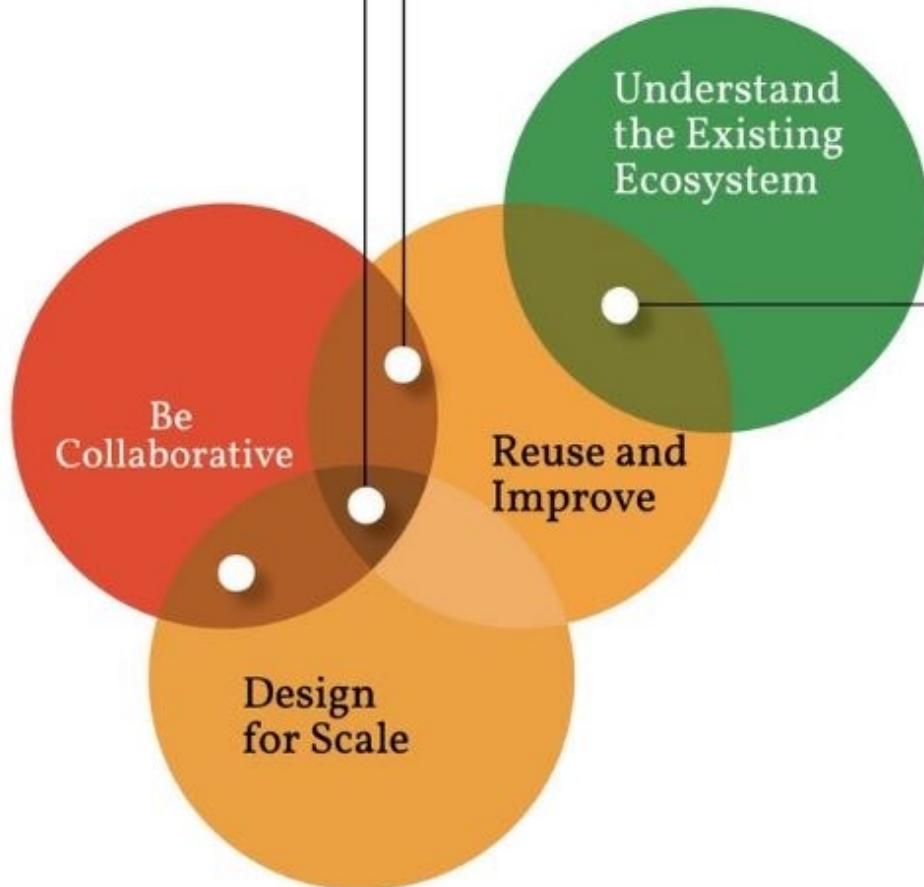
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*Collaborating does not just happen accidentally.  
Dedicate time, resources, and planning.*

OpenMRS

Open Data Kit

How Feedback Loops Can Improve Aid (and Maybe Governance)



“

**“Principles are valuable because they synthesize existing guidance in order to create a common vision about how to institutionalize lessons learned in the use of digital technologies to support development.”**



**@digiprinciples #DigitalPrinciples**