Openness and the Digital Transformation of Community Heritage



A data-driven study

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(Co-leads of the Creative Commons Working Group "Digital Community Heritage")

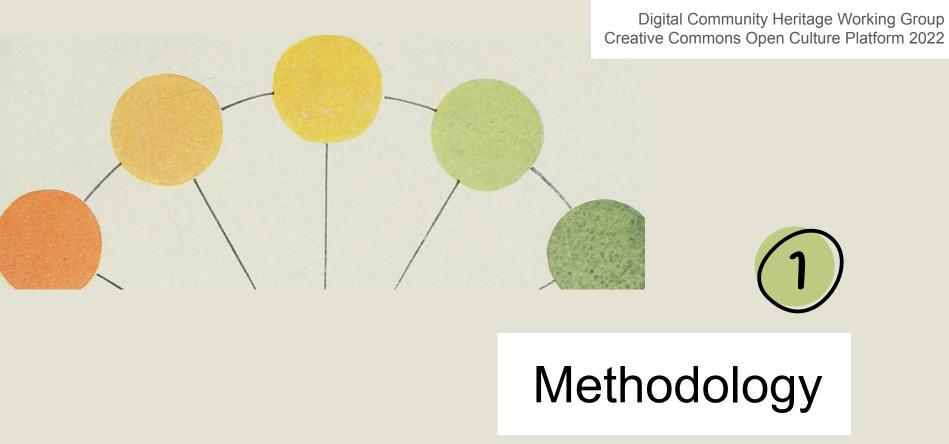
Digital Community Heritage Working Group

MISSION

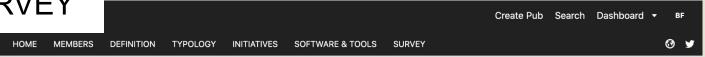
To research digital community heritage initiatives in the context of

- Open access
- Inclusive digital transformation









Can you share a digital heritage project / tool that involves community?

TAKE THE SURVEY (English)

Take the survey in another language:

Arabic

Español

Francais

Fulani/Pulaar

Greek

Magyar

Persian

Polski

Our goal is to build a **representative list of digital community heritage projects that are designed to involve community input**, identify best practices, and share our findings.

https://cc-digital-community-heritage.pubpub.org/survey

TYPOLOGY

Create Pub Search Dashboard ▼ BF

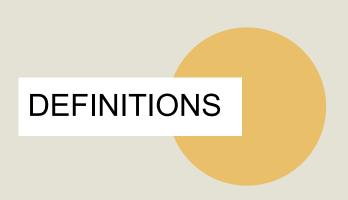
HOME MEMBERS DEFINITION TYPOLOGY INITIATIVES SOFTWARE & TOOLS SURVEY

Typology

A 10-category typology has been collaboratively developed within the framework of the Digital Community Heritage Working Group, to categorise digital community heritage initiatives:

- citizen science: participation by non-professionals in scholarly research, citizen humanities, citizen social science: "Sometimes also referred to as volunteer monitoring, amateur science, community or crowdsourced science, increases the impact and reach of research projects by inviting the public to participate in data collection, analysis, or reporting. By allowing any curious or concerned person to join in, researchers gain the additional eyes, ears, or helping hands they need to make important scientific discoveries."
- **crowdsourcing**: the practice of obtaining information or input into a task or project from a large number of people, individuals or communities, either paid or unpaid.² In the context of memory institutions it is often understood as a request to the general public to help contribute to shared goals. It is more than just new content generation or provision of data enrichment. It is seen as a form of mutually beneficial engagement with the collections and research for all the involved stakeholders.³
- community science: defined as scientific research and monitoring, based on scientific modes of inquiry, which are (i) community-driven and community-controlled, (ii) characterized by place-based knowledge and social learning, collective action and empowerment, and (iii) with the normative aim to negotiate, improve and/or transform governance for stewardship and social-ecological sustainability.⁴
- community-based participatory research (CBPR): "joining with the community as full and equal partners in all phases of the research process, makes it an appealing model for research with vulnerable populations. However, the CBPR approach is not without special challenges relating to ethical, cultural, and scientific issues." Synonyms: action research, participatory research, participatory action research, community-based research, action science, action inquiry, and cooperative inquiry.⁵
- community engaged research: An umbrella term for all kinds of community-oriented engagement with knowledge production. Perhaps the best way to understand community-engaged research (CER) is through the handbook created in 2021 by the SFI, which defines CER

https://cc-digital-community-heritage.pubpub.org/typology



What do we mean by community initiatives?

- Community-driven initiatives led by communities and their members;
- Community-fueled initiatives led by GLAMs who seek community members as active partners
- Community-oriented initiatives can be initiated and mediated by GLAMs that orient their collections around community interests

BROAD CATEGORIES OF COMMUNITY TYPES



Place

(bounding based on locality, and further categorised into city, region, and country)



Commonality

(bounding around a commonality, and further categorised into cultural, interest, and practice)

IDENTIFYING LEVELS OF OPENNESS

i.

Allowing user contribution

ii.

Use of open licences/ openness to creative reuse



Inclusion of open-source software or tools

IDENTIFYING LEVELS OF OPENNESS

- Allowing user contribution



Use of open licences/ openness to creative reuse



- Allows for public contributions (tagging, transcribing, etc.)
- Allows for public upload
- Allows for public collaborative involvement



Inclusion of open-source software or tools



(2)

Analysis: Making sense of the data

Digital Community Heritage Working Group Creative Commons Open Culture Platform 2022

1	Patrimonio Mapuche de Pukon	8	<u>Open Siddur</u>	15	Archipelago Network	22	<u>Dansk Kulturarv</u>
2	Budapest 100	9	<u>Fortepan.us</u>	16	<u>History pin</u>	23	Picturing Michigan's Past
3	Wikimedia Nigeria	10	<u>Fortepan.hu</u>	17	Undesign the Redline @ Barnard	24	Sucho
4	Reporting wildlife crime	11	<u>History Harvest</u>	18	<u>Ajapaik</u>	25	Weave
5	Vault of Industrial Archives	12	Rotterdam Dig It Up	19	Ibali Digital Collections	26	<u>Dokuforte</u>
6	<u>Enterreno</u>	13	<u>Topotheque</u>	20	MOMU Pattern-a-thon	27	Queering the map
7	<u>NotreHistoire</u>	14	Art Pluriverse	21	<u>Basjkieren</u>		

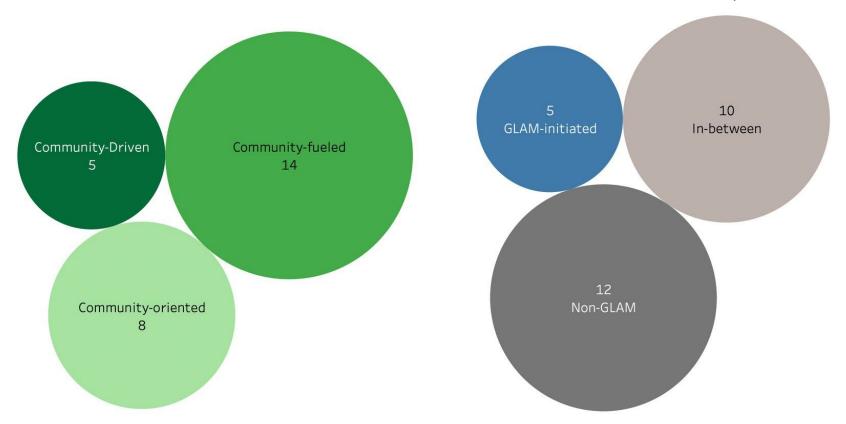
The selected 27 international digital community heritage initiatives

Digital Community Heritage Working Group Creative Commons Open Culture Platform 2022

1 4	В	С	D	E	F	G	Н	1	J	K	L	M	N	0	P
#	Heritage Initiatives	Digital Community Heritage Type	Type of community	crowdsourcing	based participatory research	peer production	folksonomy	joint curation	practice,	data governance	action/activism	archiving	(community)	contribution	user
	1 Patrimonio Mapuche de	Community-Driven	Community of cultural commonality							1		1		No	(
	2 Budapest 100	Community-Driven	Community of place (city wide)							1	1	1		No	(
	3 Wikimedia Nigeria	Community-Driven	Community of place (country wide)			1								Allowing	
	4 Reporting wildlife crime	Community-Driven	Multiple communities		1					1	1			No	
	5 Queering the map	Community-Driven	Community of interest	1							1			Allowing	
	6 History Harvest	Community-fueled	Community of place (region wide)	1								1		No	
	7 Enterreno	Community-fueled	Community of place (country wide)	1			1			1				Allowing	
	8 NotreHistoire	Community-fueled	Community of place (country wide)	1			1	1						Allowing	
)	9 Fortepan.us	Community-fueled	Community of place (region wide)	1			1	1				1		Allowing	
1	0 Fortepan.hu	Community-fueled	Community of place (country wide)	1			1					1		Allowing	
1	1 Dokuforte	Community-fueled	Community of place (country wide)	1			1					1		Allowing	
1	2 Historypin	Community-fueled	Multiple communities	1				1				1		Allowing	
1	3 Vault of Industrial Archi	Community-fueled	community of interest	1										Allowing	
1	4 Open Siddur	Community-fueled	Community of cultural commonality	1										Allowing	
1	5 Rotterdam Dig It Up	Community-fueled	Community of place (city wide)	1								1		No	
1	6 Topotheque	Community-fueled	Community of place (city wide)	1		1	1					1		No	
1	7 Art Pluriverse	Community-fueled	Community of practice		1				1	1		1		No	
1	8 Archipelago Network	Community-fueled	Community of practice	1	1				1			1	1	No	
) 1	9 Undesign the Redline @	Community-fueled	Community of place (city wide)					1		1	1	1		No	
1 2	Community Media Trust	Community-oriented	Community of interest							1	1	1	1	No	
2 2	1 Basikieren	Community-oriented	Community of cultural commonality										1	No	
3 2	2 Dansk Kulturary	Community-oriented	Community of place (country wide)	1										Allowing	
1 2	3 Picturing Michigan's Pas	Community-oriented	Community of place (region wide)	1										Allowing	
2	4 Ajapaik	Community-oriented	Community of place (country wide)	1			1							Allowing	
3 2	MOMU Pattern-a-thon	Community-oriented	Community of interest	1										No	
2	6 Sucho	Community-oriented	Community of place (country wide)	1		1		1			1			Allowing	
2	7 Weave	Community-oriented	Multiple communities										1	No	

https://doi.org/10.5281/zenodo.7384693

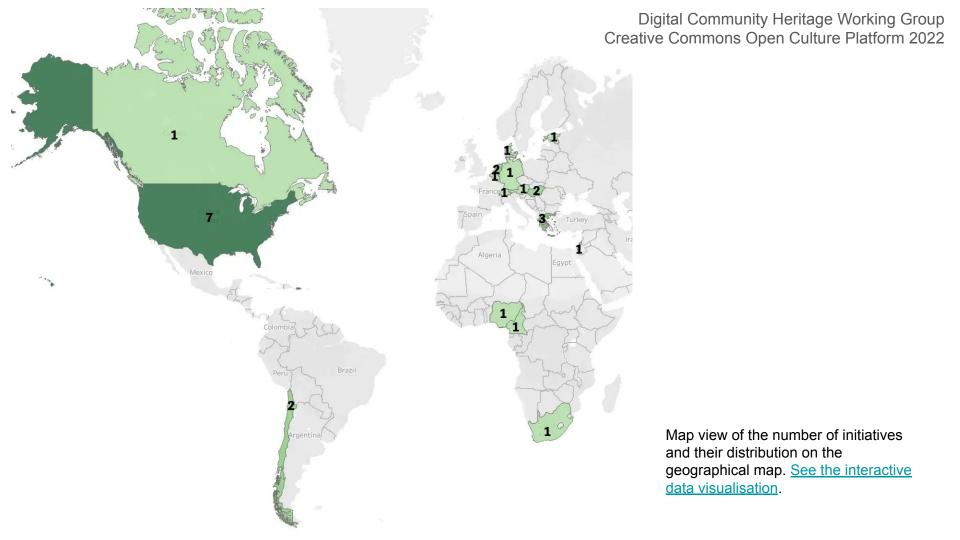
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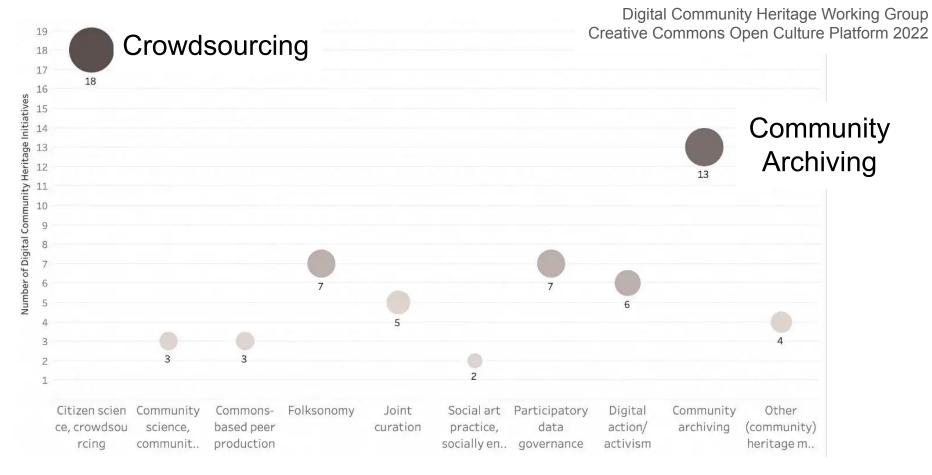


Categorisations of the 27 digital community heritage initiatives: i. Based on their digital community heritage type and ii. Based on their relation to GLAM. See the interactive data visualisation.

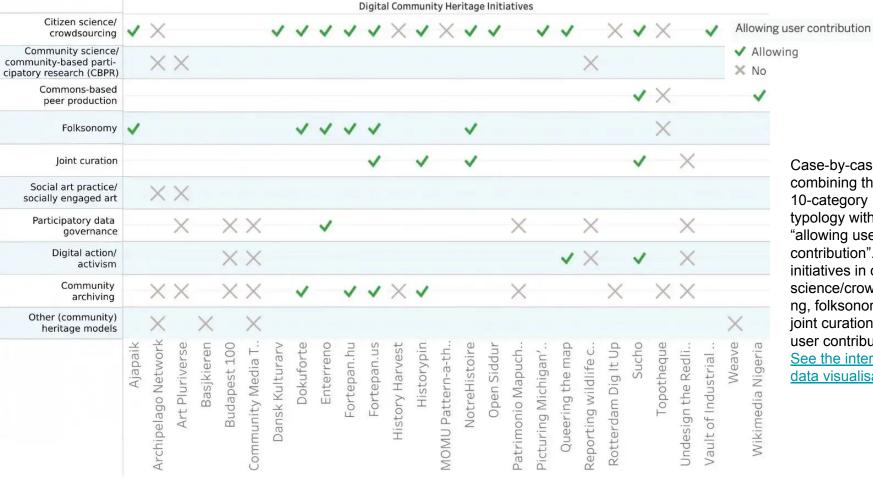
Community of place (country wide) 8	Community of place (city wide) 4	Community of place (region wi	Multiple communities 3	Power of place Community of place (country wide) Community of place (city wide) Community of place (region wide) Power of commonality community of interest Community of cultural commonality Community of practice Multiple communities
Community of interest 4	Community of cultural commonality 3	2	Community of practice	

Treemap view of the types of communities. See the interactive data visualisation.

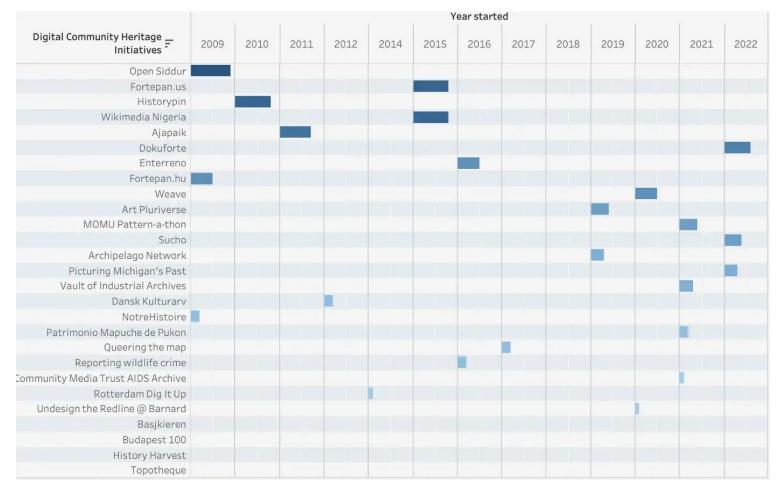




Aggregated view of the 10-category typology and the number of initiatives in each category. See the interactive data visualisation.



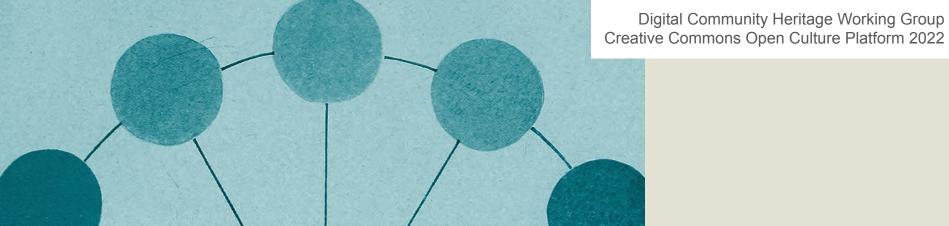
Case-by-case view combining the 10-category typology with "allowing user contribution". Most initiatives in citizen science/crowdsourci ng, folksonomy and joint curation allow user contribution. See the interactive data visualisation.



Case-by-case view combining the categories of "starting year" and their overall openness score. Deep blue and long bars indicate higher openness. <u>See the interactive data visualisation</u>.



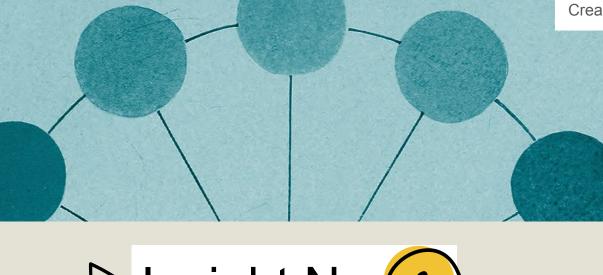
List with initiatives open to creative reuse, dark blue indicates the most open to creative reuse and light blue the least open. The majority of initiatives most open to creative reuse are community-fueled. See the interactive data visualisation.



3

Insights

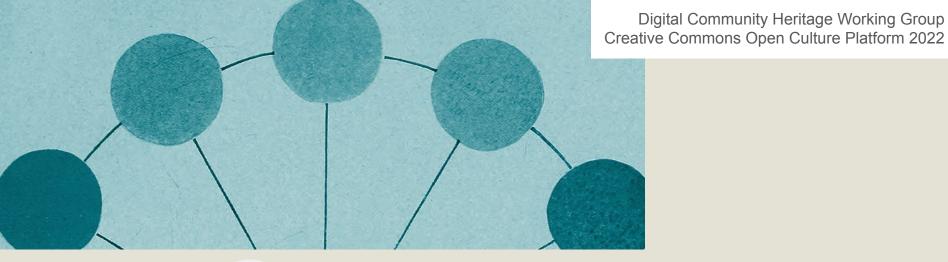






Insight No. (1)

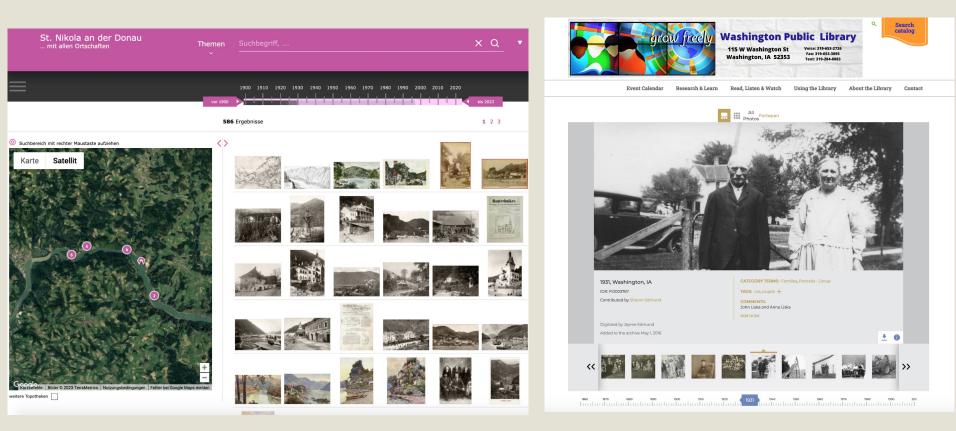
Community Engagement through place and commonality



a. the power of place

- A single **country**: Ukraine, Chile, Hungary, Israel, Nigeria, Estonia, Denmark
- A region: The French part of Switzerland, a U.S. state
- A particular city or neighbourhood (Rotterdam, Harlem)

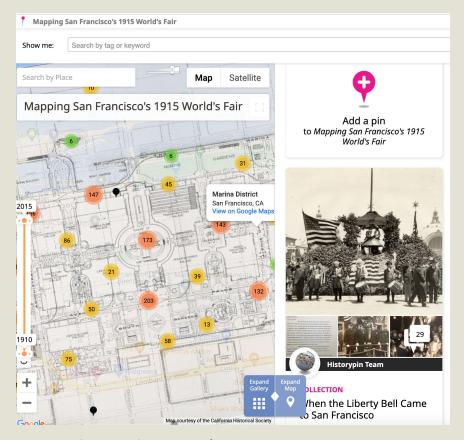
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Topotheque collaborative portal

Fortepan.us collaborative portal

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Historypin micro-histories

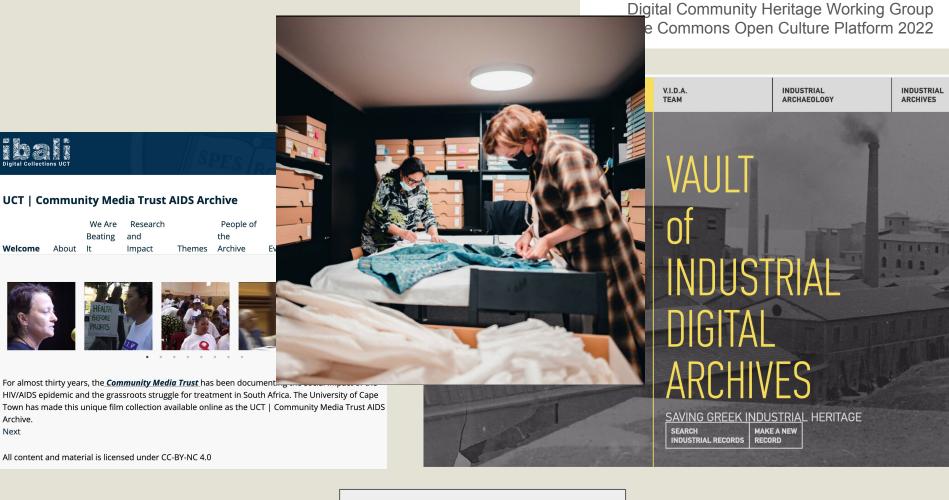


Reporting Wildlife Crime extreme local engagement



b. the power of commonality

- Shared common interests
- A common culture
- Shared **practices**



Shared Common Interests

UCT | Community Media Trust AIDS Archive

Beating

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About It

Welcome

Archive.

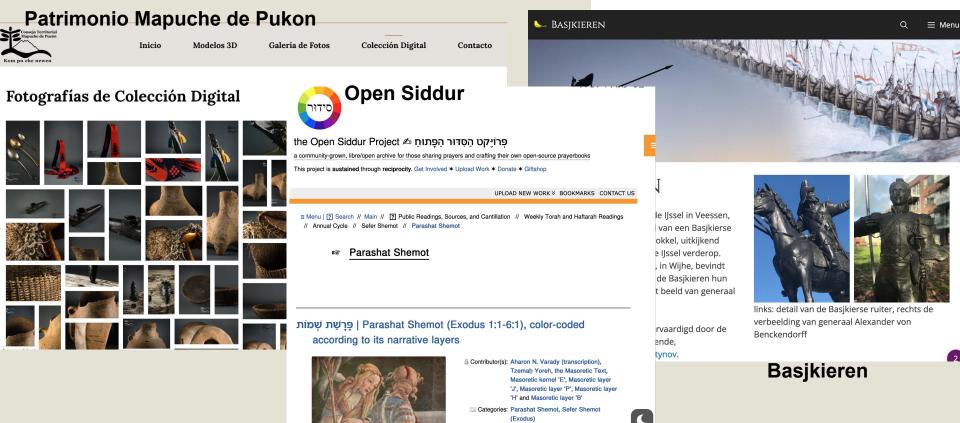
Next

Research

Impact

the

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Common Culture

Tags: annual Torah reading cycle, פרשת

latrosophia.

On folk medicine and phytogeography



(Živković et al. 202 region. Plants' me

knowledge of their socio-ecological

Folk, traditional or popular medicine is understood as a sociocultural process of community transferred knowledge that is based on a variety of grassroots health care practices (Hionidou 2016), including but not limited to, the use of plant and herbal species, natural elements, technology as well as oral and performative rituals. Folk medicine reflected the applied use of local wisdom for communal wellbeing, forming a part of socio-ecological

Communities

Local communities safeguarding folk medicinal practices and phytogeographical knowledge



Cultural **Association Pera** Melana

Our community exists unofficially since 1970 and officially since 1980. The activities of our community



The Green Ark (Bostanie -Community Garden)

The community garden "Bostanie" is a recent community in the



Peliti PELITI is a Greek Non-Profit

Organization for the protection and dissemination of Traditional Seeds These are freely reproducible Common Goods belonging to the Public Domain.



Green Tea Bulgaria

The Green Team E volunteer formation and events in 200 project, called "I n

\leftarrow Boatbuilding on Syros Today \rightarrow



Wood delivery from Mytilene, c. 1980. Fouskis Boatyard, Syros.

Introduction

A living traditional craft, wooden boatbuilding has been practiced on Syros for millenia; the first known engravings of Aegean ships, made in the ancient settlement of Chalandriani on the island's northern

Archipelago Network

Shared Practices (Traditional Knowledge and Intangible Heritage)



Queering the Map combines place and commonality





Insight No. (2)



Enhancing Community Agency: working outside of GLAMs



a. nonGLAM, community-driven

- Represent diverse and under-reported communities
- Are incubators of community agency
- Are harnessing software and digital capabilities





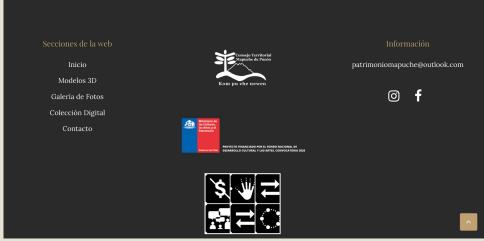


Serie de piezas en 3D que forman parte de la colección de Patrimonio Mapuche de Pukon

VER MODELOS 3D >







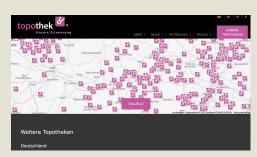


b. the role of "In Betweens"

- Cooperative portals that exist In Between the GLAM and communities
- Community-fueled



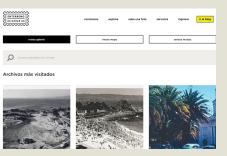
Fortepan (Hungary)



Topotheque (Global)



Fortepan.us (lowa, U.S.)



Enterrano Chile



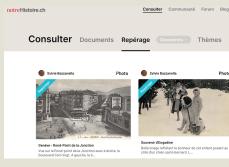
Dokuforte (Israel)



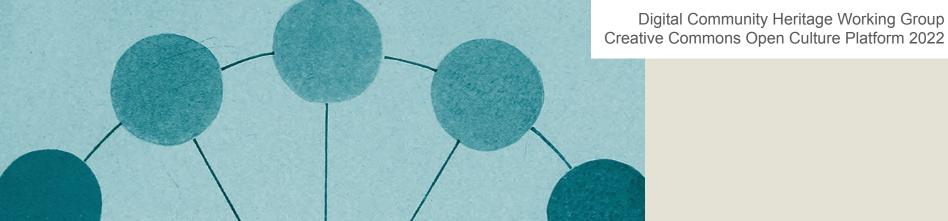
Historypin (Global)

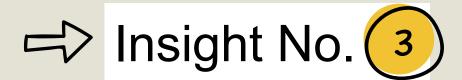


Ajapaik (Estonia)

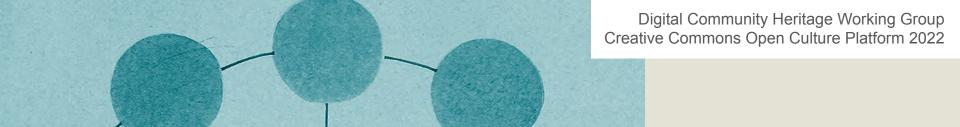


NotreHistoire (Switzerland)

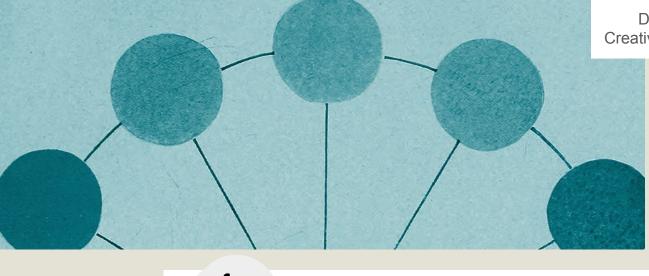




Inspiring Openness in Digital Community Heritage



Q. The most open initiatives are community-fueled



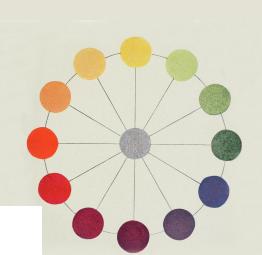
b. Open initiatives tend to be oriented around crowdsourcing, folksonomy, joint curation and community archiving

Digital Community Heritage and Open Access



Report (short version)
 (https://medium.com/creative-commons-we-like-to-share/digital-community-heritage-and-open-access-7e347





Digital Community Heritage and Open Access

Dr. Gireesh Kumar T.K.: Hindi

Liz Oyangu: Swahili

Rock Hung 洪大超 and Lucien C.H. Lin - 林誠夏":

Traditional Chinese

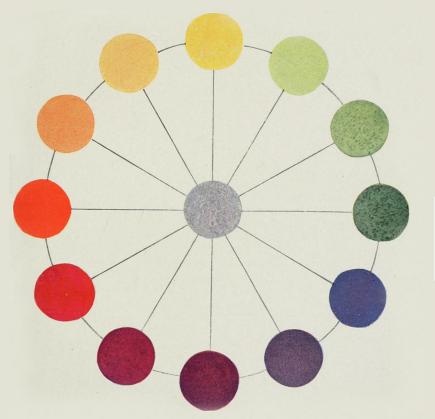
María R. Osuna Alarcón: Spanish

Nicolas Pettiaux: French





March 2, 2023 | inDICEs | Community and Digitisation: the new drivers of cultural heritage



THANK YOU!

Digital Community Heritage Working Group
Creative Commons Open Culture Platform 2022

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