

structured & shared knowledge, information technologies and the economy of cataloguing

XXVI Conference of the Italian Association of Scientific Museums Trieste, November 16-18, 2016





the context and the general idea



G.A. Cignoni & E. Meloni – hmr.di.unipi.it



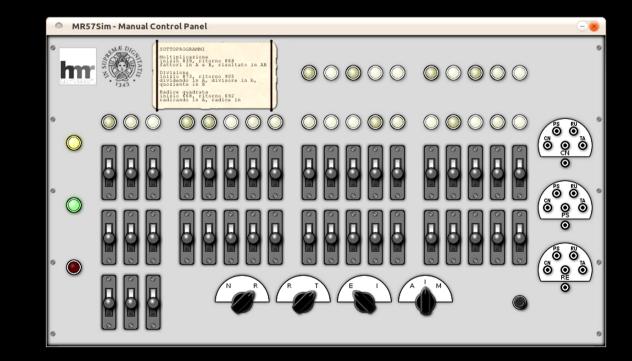
HMR: an independent project

hacking the macchina ridotta

experimental archeology of computer science technology & history

since 2006

exhibitions dissemination teaching simulators





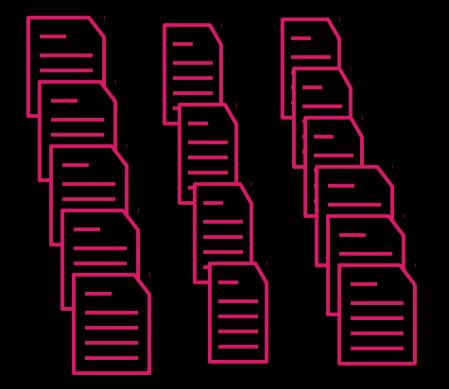


computing history knowledge base

information technologies for computing history an new approach to cataloguing (and not only)

a paradigm shift

union of collections pieces and related facts chains of relations views and perspectives







CHKB: a subproject of HMR

computing history knowledge base

information technologies for computing history an new approach to cataloguing (and not only)

a paradigm shift

union of collections pieces and related facts chains of relations views and perspectives





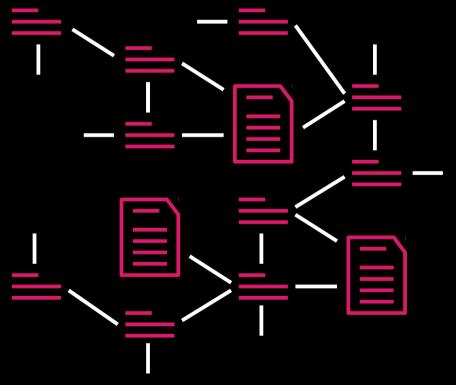


computing history knowledge base

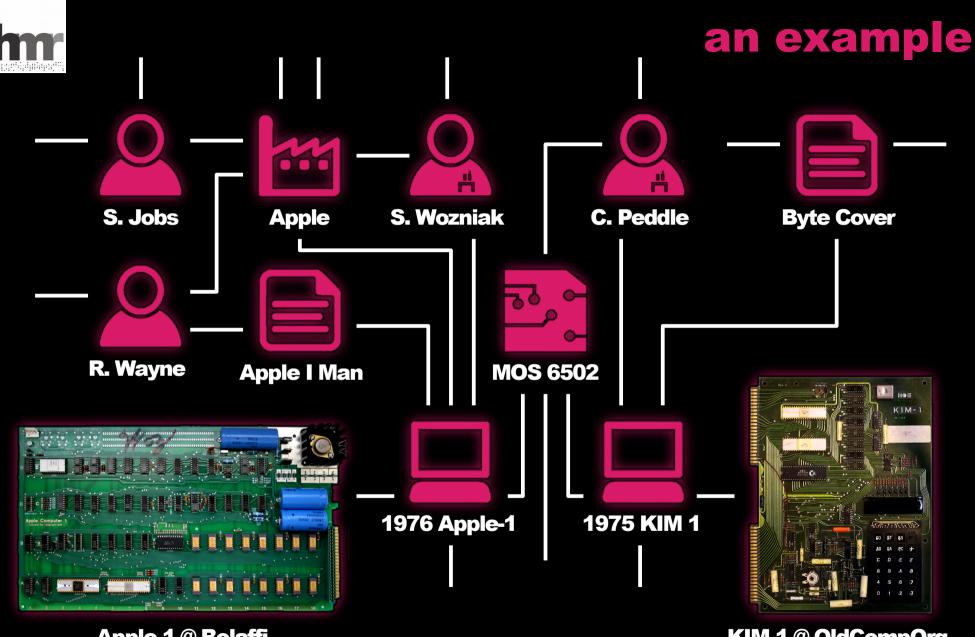
information technologies for computing history an new approach to cataloguing (and not only)

a paradigm shift

union of collections pieces and related facts chains of relations views and perspectives







Apple-1 @ Bolaffi

KIM-1 @ OldCompOrg





a portable approach

computing history is a case study

moving from sparse data to a shared KB is significant and viable for many domains

relations for a KB in, say, natural history :)

species, genus, family, order, class, phylum... geographical habitat, ecosystems... behaviours, food chains... explorers, scientists...





unused technologies are missed opportunities knowledge management – not just data cooperation & sharing

free a keeper for research

focus on pieces in the collection easier identification of pieces a single source of reliable information community and peer review





CHKB: the prototype



G.A. Cignoni & E. Meloni – hmr.di.unipi.it



an access to many collections (and not only) one KB out of many independent collections privacy and digital rights concerns

as a web application

PostgreSQL PHP 5 on Apache server Bootstrap – Javascript + CSS framework hmr.di.unipi.it/CHKB.html





catalogue record

related only to the piece edited by keepers

technical record

related to "classes" hardware, software... edited and peer reviewed pointed by CRs

G Google 🔢 Calendar 📑 Fac	ebook 🗈 YouTube	🛛 🏧 Banca 🚦 Outlook 🛛 ask.fm 🕒 SNK 🔚 Ludomedia
Knowledge Base	Sc	hede tecniche
Home 6	No	ne
₩Utenti ×	Gri	nme, Natalis & Co. (Azienda):
➡ Accetta	Me	cedes Büromaschinen G.m.b.H. (Azienda):
I≣Mostra	Mo	dello Mercedes Euklid Model 1 (Macchina):
Dellezioni	Mo	nroe Calculating Machines Company (Azienda):
Schede informative	Mo	lello Monroe LN-160X (Macchina):
🖹 Contenuti digitali	Ma	hematisch-Mechanisches Institut Hamann (Azienda):
₱ Percorsi	Me	cedes-Bureau-Maschinen-Gesellschaft (Azienda):
A Notifiche	Mo	dello Gauss (Macchina):
💄 emeloni 🔻	Cur	ta (Azienda):
	Mo	dello Curta mod. 1 (Macchina):
	Fel	& Tarrant (Azienda):
	Mo	lello Comptometer C light (Macchina):
	Bur	roughs (Azienda):
	Mo	dello Burroughs Class 3 Visible (Macchina):
	Dal	on Adding Machine Company (Azienda):
	Mo	lello Dalton (Macchina):



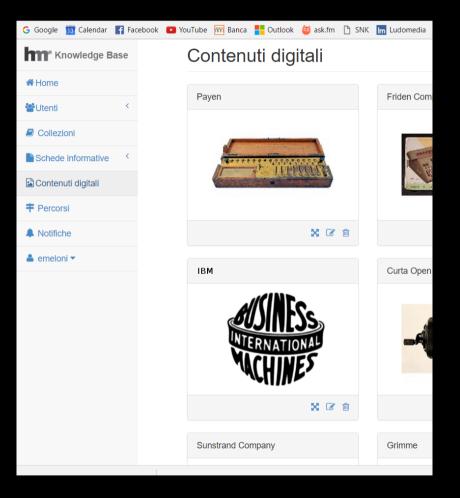


media records, MR

contents for cataloguing mugshots of pieces digital copies (sw, doc)

additional contents

related images technical documents advertising cameos in movies







people

scientists & engineers entrapreneurs notable users

companies

makers producers adopters

Christel Hamann	
Scheda informativa: Christel Ham	ann (Personaggio)
Alias: Nome Stato Data di nascita Luogo di nascita Luogo di morte	
Contenuti digitali associati	Christel Hamann
Schede informative associate	 Modello Gauss (Macchina) Modello Mercedes Euklid Model 1 (Macchina) Modello Hamann Automat V (Macchina)
Reperti associati	Non definito
Percorsi Correlati	Non definito

💶 YouTube 📅 Banca 📮 Outlook 🙋 ask.fm 🌓 SNK 🔚 Ludomedia 関 Netflix 🍚 LiveGameLoL 🥳 Sumi





peer review of contents

editors

an open group of users edit TRs, PRs, CoRs

reviewers

accept proposals designate editors assign editing tasks review TRs, PRs, CoRs

G Google 1 Calendar 📑	acebook 🛛 🕒 Yo	puTube 🎹 Banca 🚦 Outlook 🙋 ask.fm 🗋 SNK	»
Knowledge Base		Redazione schede tecni	che
A Home		Nome	
₩Utenti <			
Collezioni		Grimme, Natalis & Co. (Azienda):	Visualizza
Schede informative		Curta (Azienda):	Visualizza
		Modello Hamann Automat V (Macchina):	Visualizza
I≣Mostra			
🖋 Da redigere			
Proponi scheda			
O Cronologia			
Crea nuovo			
Esamina proposte			
🖹 Contenuti digitali			
Percorsi			
A Notifiche			
🚢 emeloni 🔻			





summing-up

full exploitation of available technologies

beyond cataloguing standards and local projects able to free resources and ease research

future work

further development of the prototype populate the KB an EU project – fingers crossed :)

