

METAL DETECTING AS A CREATIVE COMMUNITY

- the Danish DIME portal



DIME
Digitale Metaldektorfund





1. Borgervidenskabsprojekter involverer aktivt borgere i forskningsprojekter, der genererer ny viden eller øget forståelse. Borgerne kan være bidragsydere, samarbejdspartnere, eller på anden måde bidrage meningsfuldt til projektet.

Borgervidenskabsprojekter fører til originale forskningsmæssige resultater. Eksempler kan være besvarelse af et forskningsspørgsmål, bidrag til forbedring af et område eller –forvaltning eller bidrag til miljøpolitik.


Projekter, hvor borgere involveres i projektet drager fordel af at deltage. Fordele kan være øget inddragelse af videnskabelige resultater, muligheder for læring, personlige og sociale fordele eller tilfredsstillelse gennem det at bidrage til forskning, fx ved at diskutere og løse lokale, nationale eller internationale problemstillinger samt ved at have mulighed for at have indflydelse på politiske beslutninger.

<p>ARCHAEOLOGISTS WORKING WITH THE PUBLIC</p> <p>COMMUNITY ARCHAEOLOGY AND HERITAGE PROJECTS RUN BY MUSEUMS, UNIVERSITIES OR COMMERCIAL FIRMS. ①</p>	<p>ARCHAEOLOGY BY THE PUBLIC</p> <p>LOCAL ARCHAEOLOGICAL SOCIETIES, METAL DETECTOR CLUBS, AMATEUR INTEREST GROUPS, INDEPENDENT SCHOLARS. ②</p>	<p>PUBLIC SECTOR ARCHAEOLOGY</p> <p>HERITAGE RESOURCE MANAGEMENT WORKS CARRIED OUT ON BEHALF OF NATIONAL, REGIONAL OR LOCAL GOVERNMENT. ③</p>
<p>ARCHAEOLOGICAL EDUCATION</p> <p>FORMAL AND INFORMAL LEARNING ABOUT ARCHAEOLOGY AND THE ANCIENT WORLD IN SCHOOLS, MUSEUMS, CLUBS, AND OUT IN THE WORLD. ④</p>	<p>SOME COMMON TYPES OF PUBLIC ARCHAEOLOGY</p> <p>BY CASE MOSHENSKA</p>	<p>OPEN ARCHAEOLOGY</p> <p>ARCHAEOLOGICAL WORK THAT IS MADE PUBLICLY ACCESSIBLE THROUGH WEBSITE, PLATFORMS, MOBILE APPS OR INTERMEDIATION PARTNERS. ⑤</p>
<p>POPULAR ARCHAEOLOGY</p> <p>TELEVISION, SHOWS, MUSEUM BOOKS, BLOGS, ARCHAEOPARKS</p>	<p>ACADEMIC PUBLIC ARCHAEOLOGY</p> <p>THE STUDY OF ARCHAEOLOGY IN ITS OWN RIGHT</p>	<p>OTHER TYPES</p> <p>THIS ISN'T SUPPOSED TO BE AN EXHAUSTIVE LIST.</p>

F indable A ccessible I nteroperable R eusable



- ### The participatory turn
- Citizen science
 - Co-creation
 - Social relevans policies
 - Democratic agenda
 - Civic empowerment
 - Digital citizenship
 - Open/FAIR data

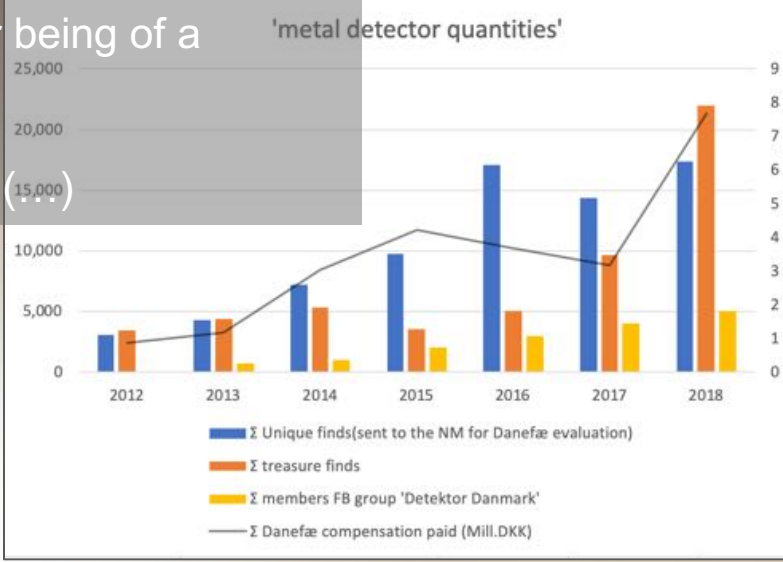
A person wearing a dark jacket, hat, and gloves is using a metal detector in a field. The background is a blurred landscape with green hills and a blue sky.

“A museum is a not-for-profit, permanent institution in the service of society that researches, collects, conserves, interprets and exhibits tangible and intangible heritage. Open to the public, accessible and inclusive, museums foster diversity and sustainability. They operate and communicate ethically, professionally and with the participation of communities, offering varied experiences for education, enjoyment, reflection and knowledge sharing.”

Approved august 24th, by the 26th ICOM General Conference

Danefæ' // 'treasure trove' Consolidated Act on Museums (§ 30)

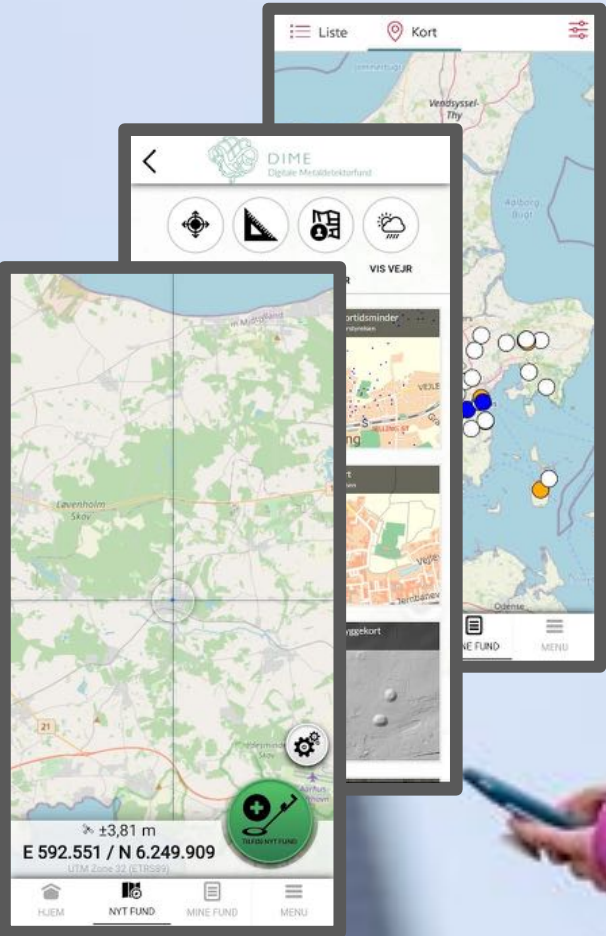
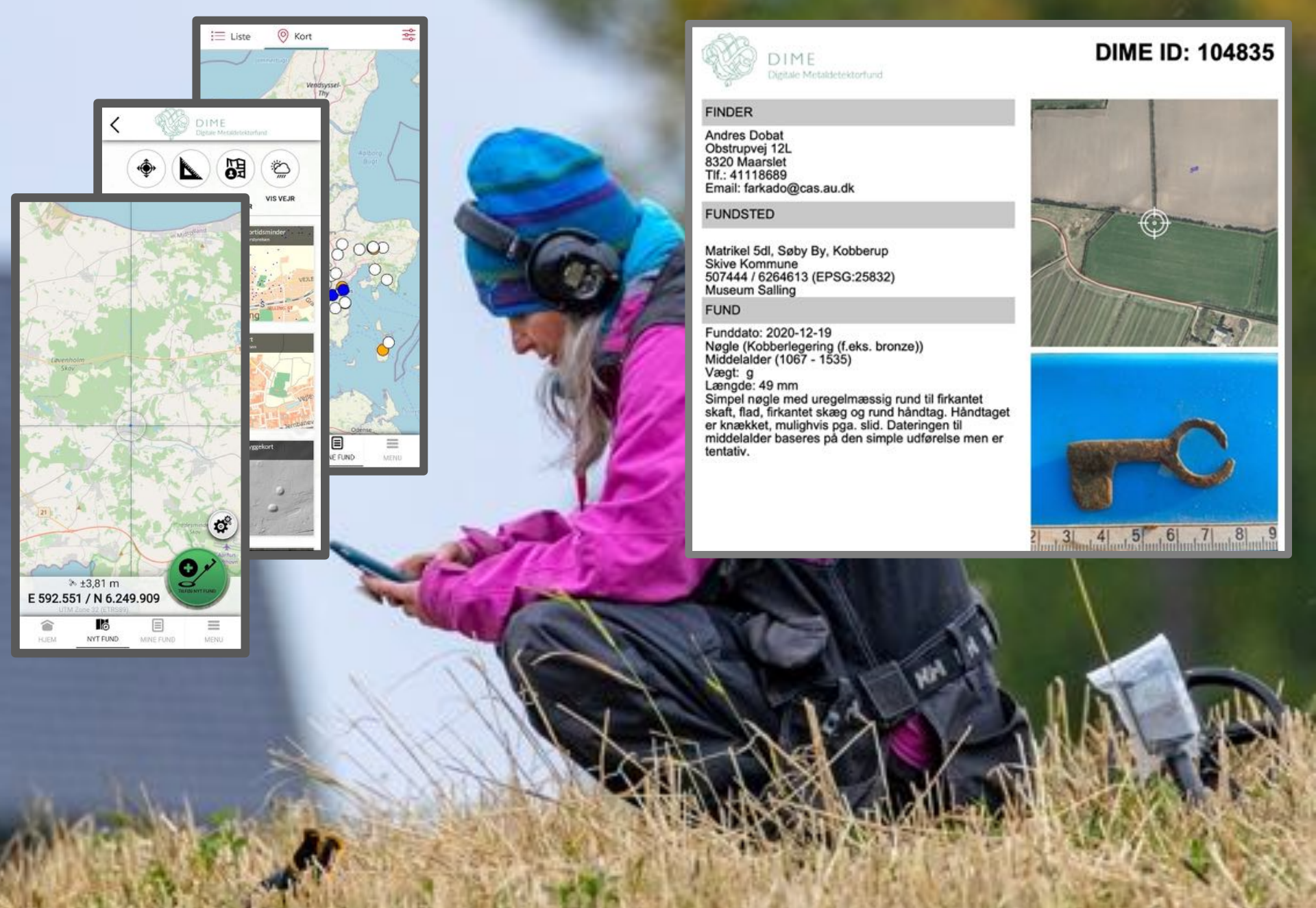
- (1) *Objects of the past* (...) if made of valuable material or being of a special cultural heritage value.
- (2) Treasure trove shall belong to the state. (...)
- (3) The National Museum shall pay a reward to the finder




Amateur finder hands over finds to 'Østfyns Museer' (Photo: Bo Grønhøj)



Politiken (2. September 2015)





 **DIME**
Digitale Metaldetektorfund

DIME ID: 104835

FINDER
Andres Dobat
Obstrupvej 12L
8320 Maarslet
Tlf.: 41118689
Email: farkado@cas.au.dk

FUNDSTED
Matrikel 5dl, Søby By, Kobberup
Skive Kommune
507444 / 6264613 (EPSG:25832)
Museum Salling

FUND
Funddato: 2020-12-19
Nøgle (Kobberlegering (f.eks. bronze))
Middelalder (1067 - 1535)
Vægt: g
Længde: 49 mm
Simpel nøgle med uregelmæssig rund til firkantet skaft, flad, firkantet skæg og rund håndtag. Håndtaget er knækket, muligvis pga. slid. Dateringen til middelalder baseres på den simple udførelse men er tentativ.



Users: Museums/heritage sector

Goal: Support administrative practice

- Standardised data (and service)
- Effective processing
- Migration to other data repositories

Usergroup: Finders

Goal: Promote and explore citizen science as tool

- Finders provide data/ knowledge
- Crowd sourcing (user interaction)
- Feedback to finders
- Promote good practice
- Competence building



Users: The public

Goal: Promote public use and appreciation

- Digital exhibitions
- Searchable data
- Contextual information

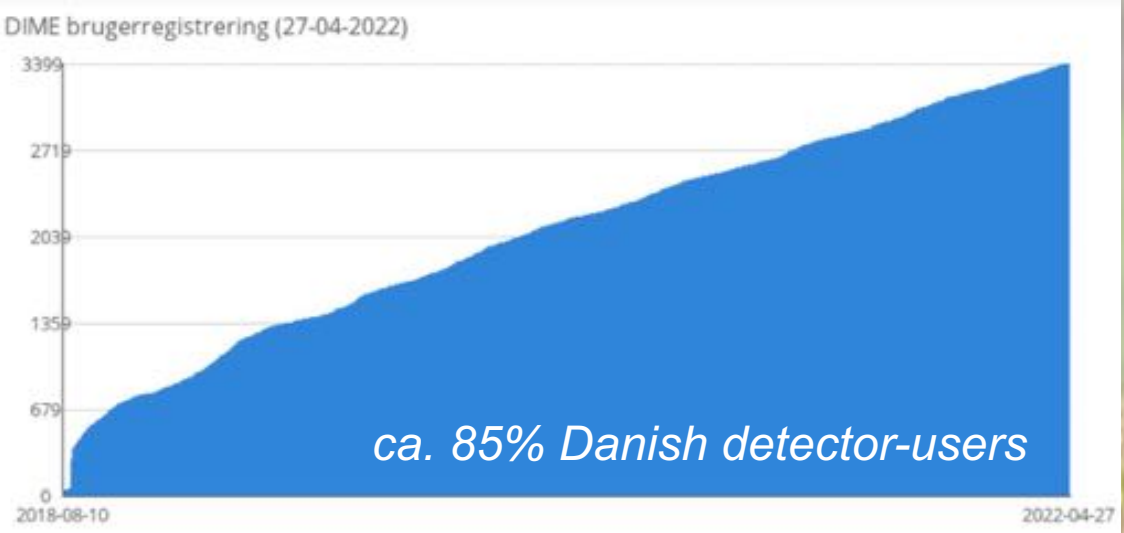
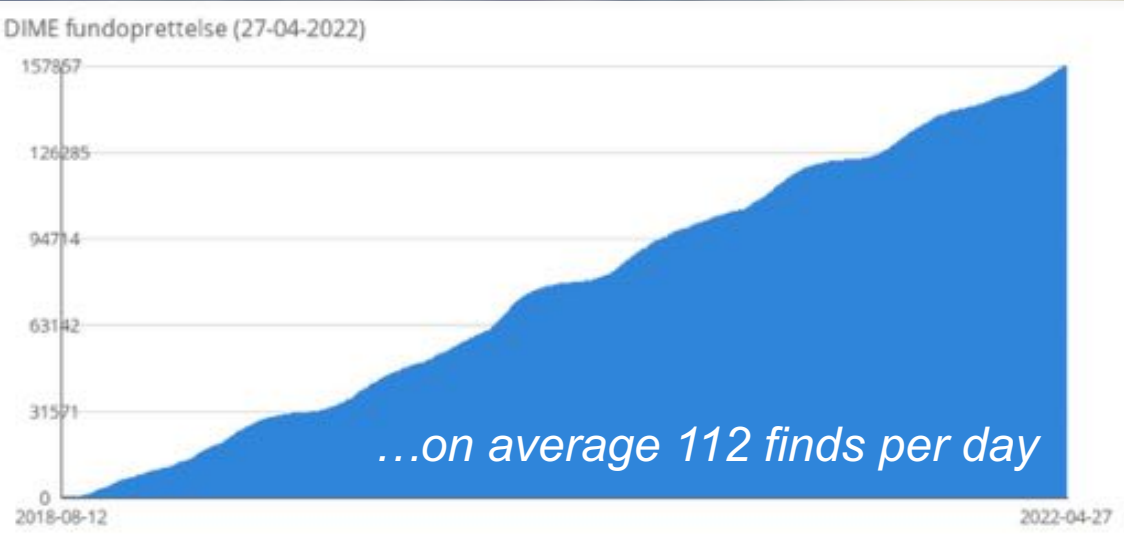
Usergroup: Researchers

Goal: Promote use of detector finds in research

- Fra BIG til DEEP DATA
- FAIR principles
- Citizen science

Since launch (august 2018):

- 3500 users (private finders)
- 167.867 find records
- 31 museums



DIME ID 60656

Engelsk penny (mønt)

Sølv

Vikingetid (750 - 1066)

Nordjyllands Historiske Museum

Aalborg Kommune



Facilitate public use and dissemination

Users: The public

- Digital exhibitions
(<https://www.metaldetektorfund.dk/beta/udstilling/>)
- Searchable data
- Contextual information




Danegæld

Blandt de danske metaldetektorfund er der en stor del engelske mønter. Mange er sikkert 'Danegæld' og kom til landet i lommen på danske vikinger, som havde deltaget i togterne mod De Britiske Øer. DIME ID 60656 er præget under kong Aethelred II, som blev kendt som "den rådvilde". Det var under hans regeringstid, at man introducerede begrebet 'danegæld', og i 1002 igangsatte han en massakre på danerne i England. Dette var en af grundene til, at den danske konge Svend Tveskæg indledte sin erobring af England. Mønten DIME ID 60656 er sikkert bragt til Danmark af en af Svend Tveskægs krigere.


[Klik her for at se alle Engelske vikingetidsmønter i DIME](#)

12 af 27



'The best invention since the detector'
'It has life much easier for me. MUCH easier!'
'DIME makes me cry tears of joy.'
'DIME till I die'
'My finds are all dimed'
Various detector users

'I will never use this shit'
'why should I bother...'
'I want to find things – recording is the professionals job'
'DIME is a surveillance tool used by the museums'
Various detector users



“DIME has lessened our workload per find, which means a lot for us. Apart from saving time, DIME gives us a much better overview.. This makes working with finds and sites much more exciting”

Thomas Guntzelnick Poulsen (Museum Østjylland)

“I am a big fan of DIME. It makes our work much easier and the amateurs are happy”

Kristoffer B. Pedersen, Museum Sydøstdanmark

“We will never be able to use data provided by detector users!”

“The detectorists only use DIME because they want a quicker treasure trove payment”

”Through DIME the universities take away our research data”

Museum professionals about DIME

Users: Museums/heritage sector

Goal: Support administrative practice

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Usergroup: Finders

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Users: The public

Goal: Promote public use and appreciation

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- Searchable data
- Contextual information

Usergroup: Researchers

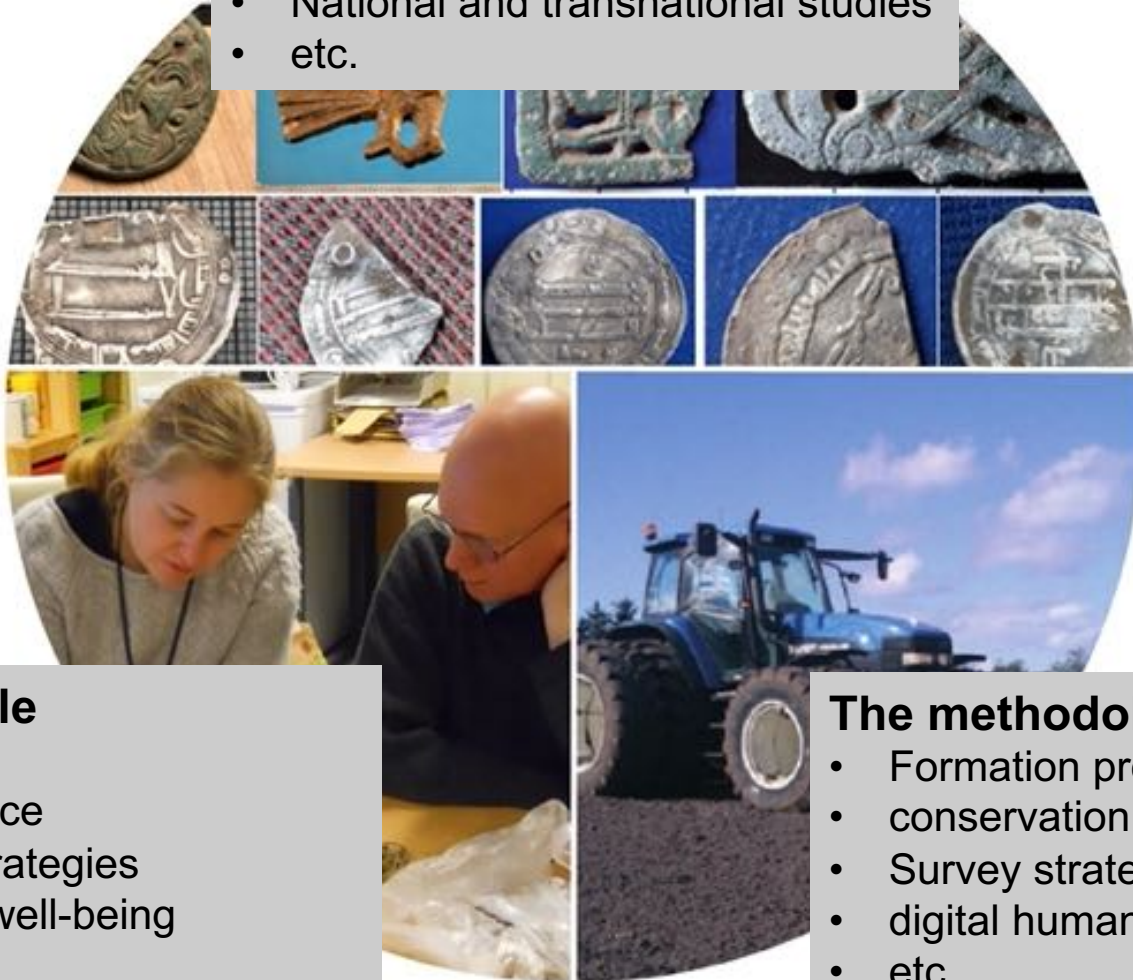
Goal: Promote use of detector finds in research

- Fra BIG til DEEP DATA
- FAIR principles
- Citizen science



The cultural historical angle

- Artefact studies
- Site- or regional studies
- National and transnational studies
- etc.



Heritage angle

- co-creation
- citizen science
- Outreach strategies
- Health and well-being
- etc.

The methodological angle

- Formation processes
- conservation
- Survey strategy
- digital humanities
- etc.

Promote use of detector finds in research

Usergroup: Researchers

- Fra BIG til DEEP DATA
- FAIR principles
- Citizen science



Hid trefligt Møje med nålefaste på bagsiden, 25x35 mm, meget slidt i ornamentikken, men central cirkel og tværstrøget bladornament på de tre fige, minder om Hørja 948. Erklæret danske, sagenummer 1701180, bestemt som en fin trefligt Møje af bronze. Overfladen er let slid, men der ses rester af en fin ornamentik: Tredelt omkring en cirkulære midte med stilistisk plantornamentik på figene. På bagsiden ses nålefastet med rest af jern fra nålen. Denne type af Møje dateres til vikingetid (C 53531, v182, DI 4192)

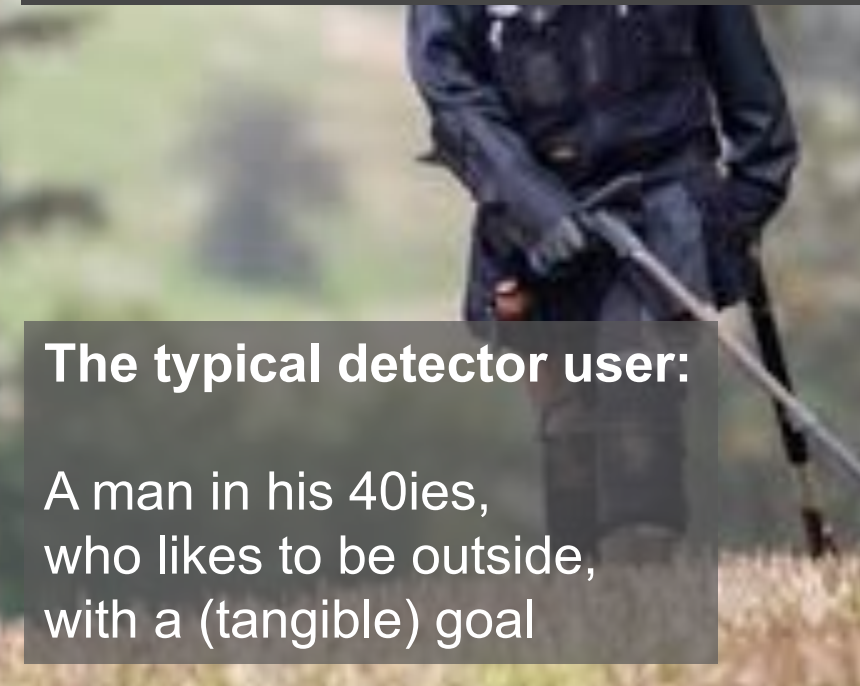
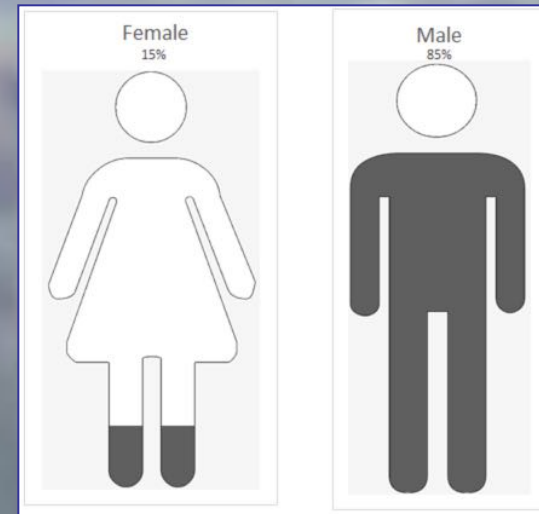
<https://www.metaldetektorfund.dk/ny/fund/?dimeid=173681>



Trefligt Møt
Kobberlegering (Eks. bronze)
Vikingetid (750-1066)
Moesgård Vesthøjland
Sjælland, Danmark

Het trefligt Møt med nålefaste på bagsiden, 35x35 mm, meget slidt i ornamentikken, men central cirkel og tværstregget bladornament på de tre fige, minder om Hørja 948. Erklæret danefind, sagsnummer 17/01180, bestemt som en fin trefligt Møt af bronze. Overfladen er let slidt, men der ses rester af en fin ornamentik: Tredelt omkring en cirkulære midte med stilistisk plantemotiv på figene. På bagsiden ses nålefastet med rest af jern fra nålen. Denne type af Møt dateres til vikingetid (C 53531, x182, DI 4192).

Antiquities
 Traveling
 Nature Geocaching
 Electronics Fossils
 Photography & Movies
 Art Knitting
Hunting & Fishing
 Sports Genealogy
 Reenactment Archaeology Others History
 Home-Guard Coins Theater
 Computers Music **Books**
 Cars & Motorcycles & Hardware
 Animals & Gardening



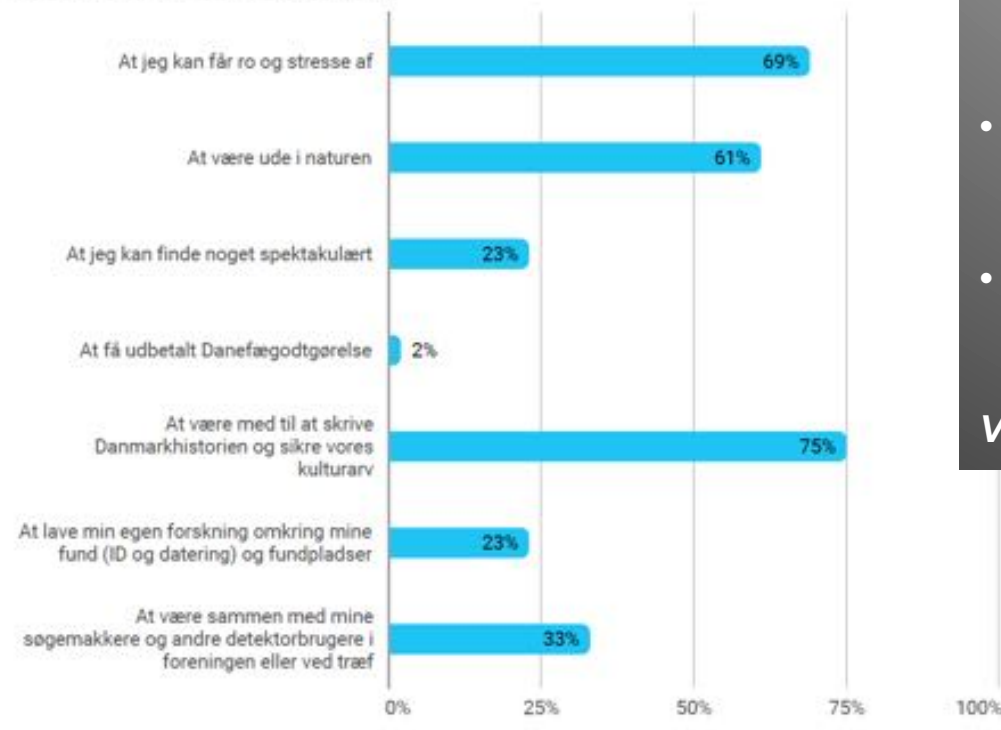
The typical detector user:

A man in his 40ies,
 who likes to be outside,
 with a (tangible) goal

- *Fresh air, good friends, excitement and exciting knowledge of the past*
- *Its also a hunt. I want to bring home a trophy, the trophy is the treasure trove letter*
- *The indescribable feeling of being the first to hold a thing which last was touched by a viking is fantastic*
- *I feel close and connected to the people which objects I find*
- *Suffering from PTSD it's a good way to relax and reduce my compulsive thinking*

Various detector users on why they metal detect

Vælg de tre udsagn som bedst beskriver hvorfor du dyrker metaldetektorhobbyen (maks. vælge tre af mulighederne)



Citizen science...?

- *Even though they act like citizen scientists, most DIME participants (finders) do not identify themselves as citizen scientists!*

DIME as a creative community

A creative community, which in different ways engages with archaeological finds and transforms them into data, knowledge, narratives, emotions, (you name it...).

Scientific data and knowledge are only ONE among many different emerging outputs and values (sense of belonging, mental grounding, social cohesion, togetherness etc.)



Ubestemt
 Ubestemt materiale
 Udateret (0-0)
 Museum Sønderjylland
 Vordingborg Kommune

06-03-2021
 Tilstand: Ikke angivet
 Vægt: g
 Maksimal længde: mm.



Ubestemt
 Ubestemt materiale
 Udateret (0-0)
 De Kulturhistoriske Museer i Haderslev Kommune
 Lemvig Kommune

06-03-2021
 Tilstand: Ikke angivet
 Vægt: g
 Maksimal længde: mm.





DIME
Digitale Metaldetektorfund



dime

Det ta'r ikke 5 minutter

- at uploade gode fundbilleder
- at udfylde type og datering
- at udfylde materiale

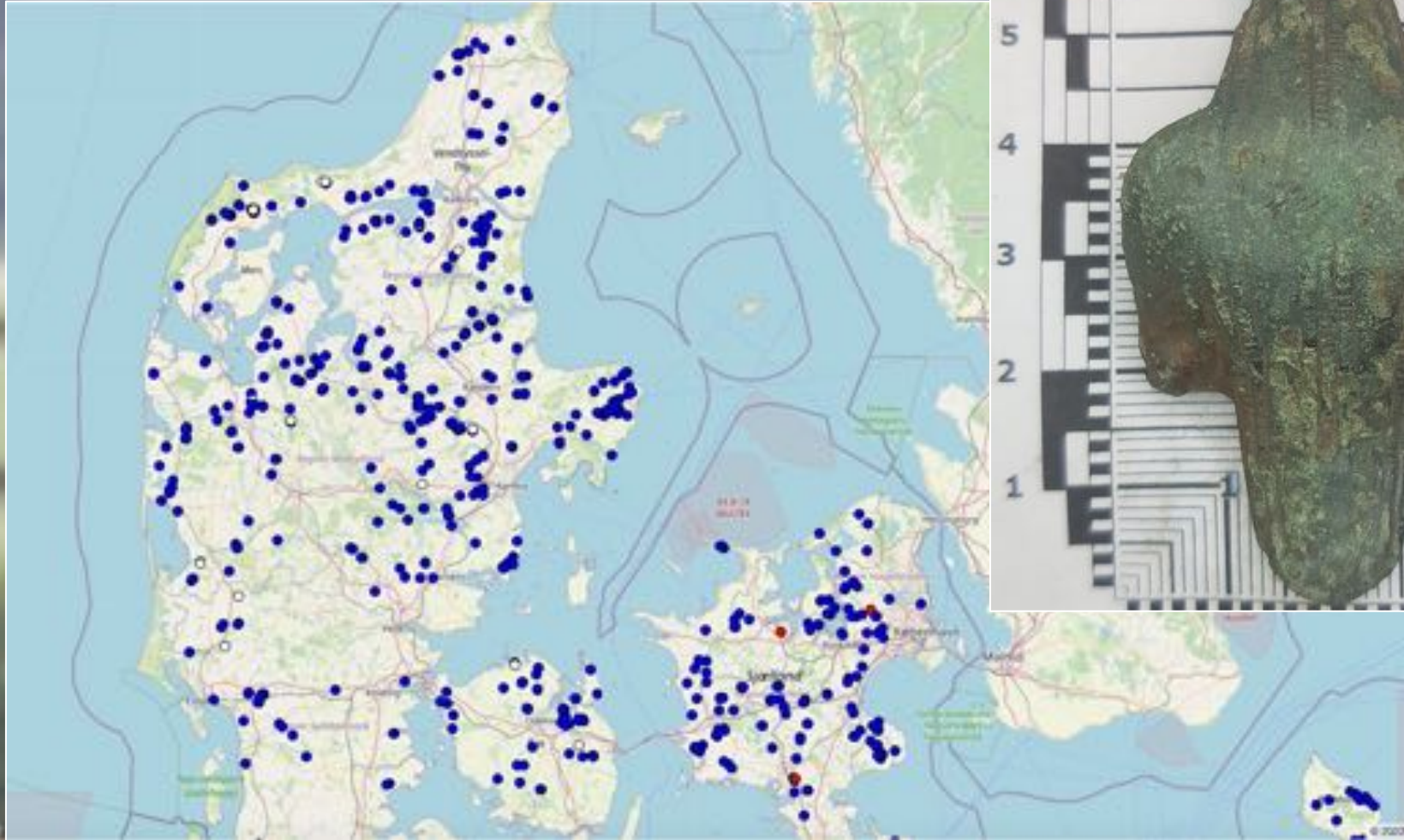
Det er sund fornuft!



Det ta'r kun 5 minutter

-men vi vil så gerne ha', du bli'r lidt længere.
Hilsen Stig. fakta-medarbejder

www.fakta.dk

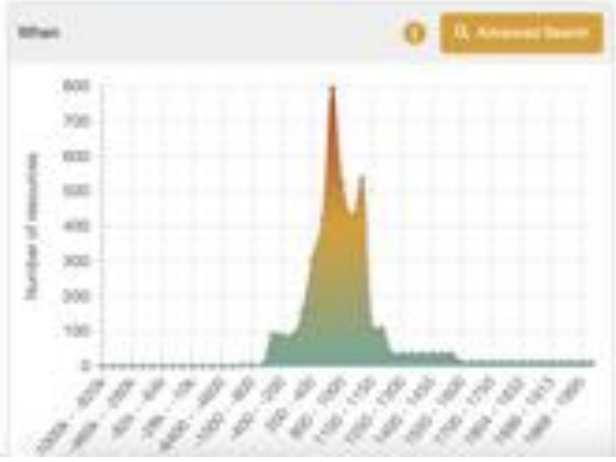


Search: filbe X

Navigation icons: Home, Previous, Next, First, Last, Refresh, Search

Order: Relevance

Clear All Filters X



Orngtudebyr - Filbe

Odbordskaber tilbe hvor den yderste skal mangler, på bagsiden nåeholder og -faste, Materiale: Kobberlegering (f.eks. bronze), Vægt: g, Længde: mm.

Resource type: Artifact
Place: Kalundborg municipality
Publisher: Aarhus University
Original subject: Dime.find.dress_accessory



Kornformet filbe

Fragment af filbe, muligvis en kornformet, ligesåmet eller fugefilbe med indlæg af rød granatsten i øjnene. Længde: 28mm. , Materiale: Kobberlegering (f.eks. bronze), Vægt: g, Længde: 28mm.

Resource type: Artifact
Place: Frederikshavn municipality
Publisher: Aarhus University
Original subject: Dime.find.dress_accessory bow_filula.stone



Orngtudebyr - Filbe

Fragment af pladefilbe af. beslag af sølv med ornamentik. Længde: 13mm. , Materiale: Sølv, Vægt: g, Længde: 13mm.

Resource type: Artifact
Place: Frederikshavn municipality
Publisher: Aarhus University
Original subject: Dime.find.dress_accessory



Hvælvet filbe

A person wearing a dark jacket, cap, and boots is using a metal detector in a field. The background is a blurred landscape with green hills and a blue sky. The person is positioned on the left side of the frame, and the metal detector is extended towards the ground.

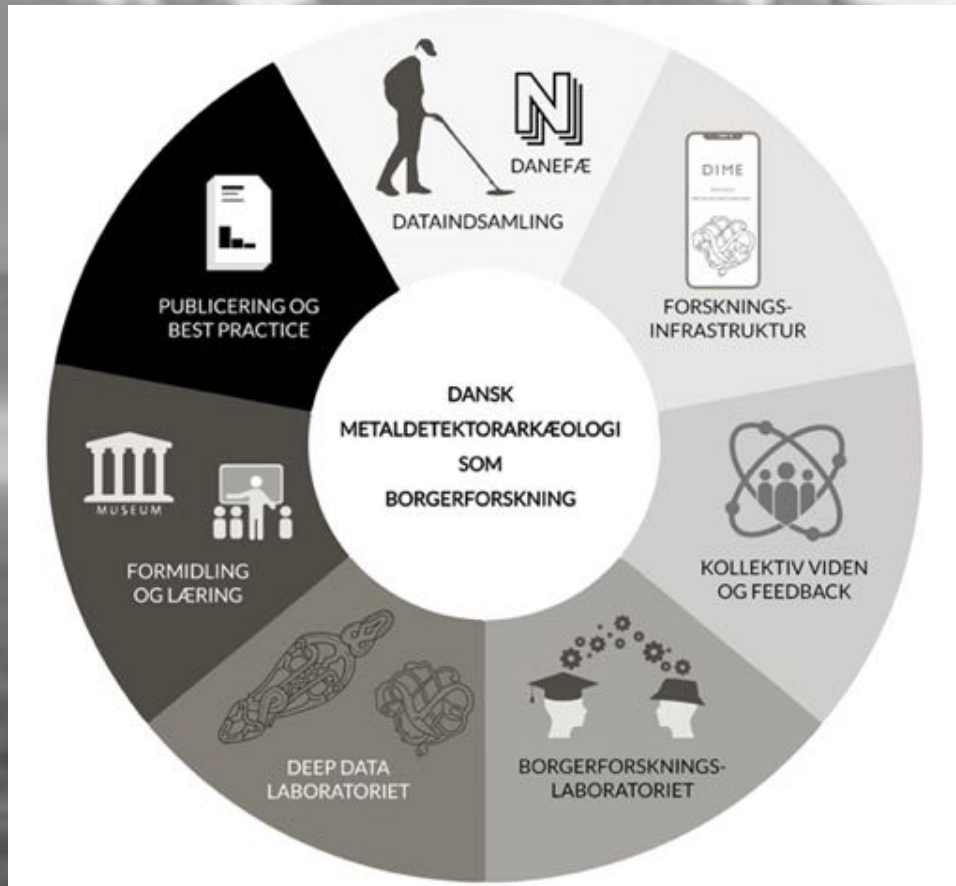
Challenges of the CS approach:

- *Diverse user group*
- *Data quality*
- *Spatial data sensitivity/protectionism*
- *Different conceptions of archaeology and heritage*
- *Institutional resistance and scepticism*
- *Sustainability*
- *GDPR*
- *Technological obstacles*

... and not all of your users necessarily want to be citizen scientists

Borgerforskning som kulturarvsinnovator

Danefæ og detektorarkæologi som samskabende forskning og kilde til ny viden

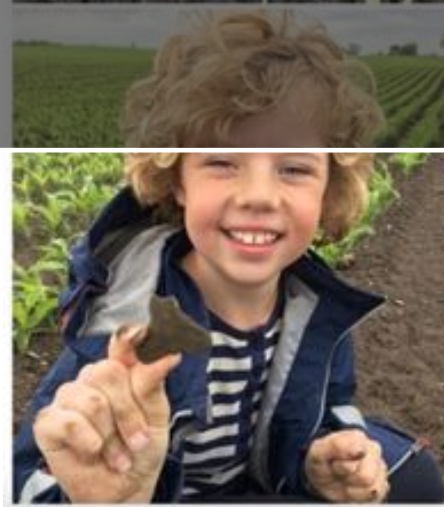
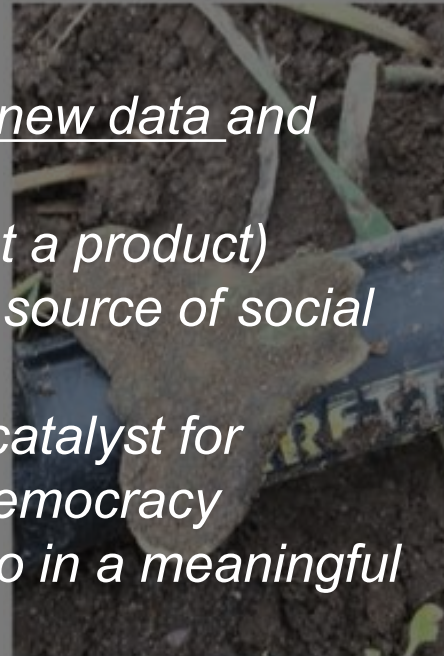


AUGUSTINUS FONDEN

STIFTET 25. MARTS 1942

Archaeology as CS:

- a new and exciting way of creating new data and doing archaeology
- redefines heritage as a process (not a product)
- an alternative role for heritage as a source of social cohesion beyond national identity
- archaeology as a social asset and catalyst for learning, civic empowerment and democracy
- ...something we all can contribute to in a meaningful way



FROM TREASURE HUNTERS TO CITIZEN SCIENTISTS

Metal-detecting and Archaeological Heritage in the Nordic Region Workshop Series 2022-23



🏠 / Århus 2023

ÅRHUS 2023

Århus Workshop: Understanding the social and cultural aspects of metal detecting: practices and attitudes of public finders and of professionals



In this workshop, we focus on the historical and contemporary contexts of how metal detecting relates to professional archaeology across the Nordic regions. The workshop is organized at Moesgaard Museum's Auditorium, which has space to open the workshop also to the wider public.

The workshop will take place **27-28th April 2023 in Århus, Denmark**, coordinated by Associate Prof **Andres Dobat** (Århus University) and Dr **Pieterjan Deckers** (Vrije Universiteit Brussel).

Further information will be published closer to the event date.