Half full or half empty? Current approaches to development-led archaeology in Hungary



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Who is allowed to carry out archaeological excavations?

2010–2012 Local Museums

2012-2014

Hungarian National Museum National Heritage Protection Centre (Preliminary Archaeological Documentation from 2013)

2015-2016

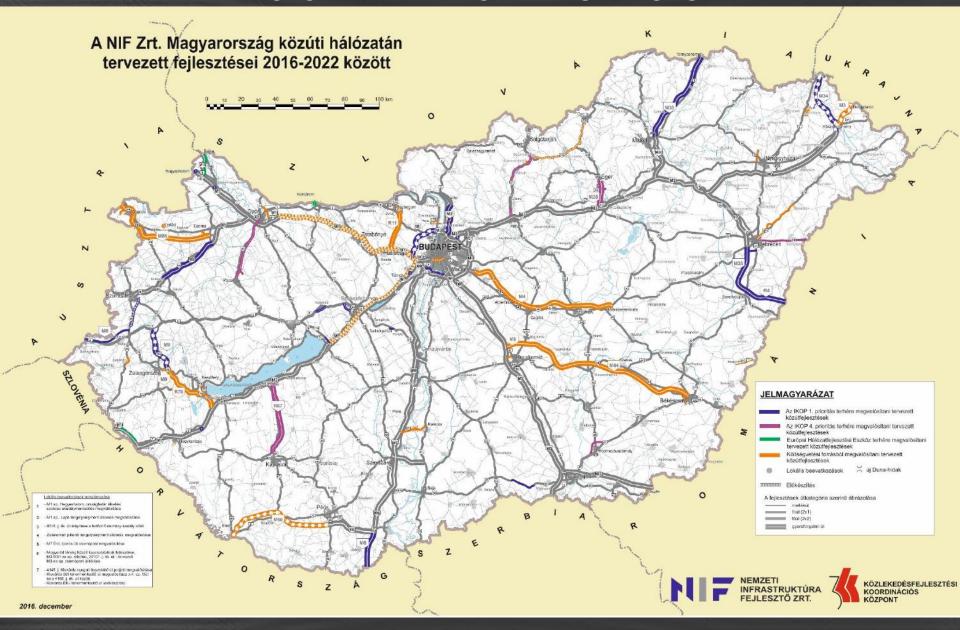
Forster Centre, Local Museums and accredited private companies

2017-present

Budavári Kft.

- From 2010 more than 400 contracts with the National Infrastructure Developer Company
- More than 100 contract at present
- **Nearly 40.000.000.000,- HUF** (125 000 000 EUR)

MOTORWAY DEVELOPMENTS IN HUNGARY



PRELIMINARY ARCHAEOLOGICAL DOCUMENTATION (PAD)

- mandatory assessment for every construction above 500 million HUF /1,6 million EUR
- assessment's cost should not cost more than 0.35% of the overall construction budget
- assessments should contain (if physically possible):
 - data collection,
 - field survey
 - geophysical survey
 - trial excavation
- based on these data a project plan should be made with the exact cost and timescale for archaeological involvement





NABUCCO field survey:

During initial intensive field survey

339 archaeological sites were found

only 77 of those are previously known and scheduled



77,8% previously unknown

Site identification and assessment for preventive archaeology of largescale infrastructures for PAD

- Desktop study
- Field survey
 - systematic, GIS-based
- Geophysical survey
 - concentrating on areas highlighted with field survey
- Trial excavation
 - for validation and control



Kinesesliget Recsnik-tny. Vekkermann-tny.

'PAD' METHODS

Desktop studies

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8		Geofizikai mérés						Farkas Pál					1966.06.11								
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11			Marosi Arnold						Jelentés a Sárbogárd M									SZIM Ltsz. 4370/8			
12				Farkas Pá										odéziai munk					SZIM Ltsz		
13		Ismeretien							Jelentés a Sárbogárd, Cifrabolondvár lelet és lelőhelyleíró karton									SZIM Ltsz			
14		Szalontai Csaba							A tervezett M8 gyorsforgalmi út Veszprém-Dunaújváros közti szakszának									KÖH 600/69/2008			
15		F. Petres Éva						Ásatási dokumentáció a Sárbogárd, Cifrabolondvár ásatásról 1959.									SZIM Ltsz. 5072/88.				
16		Bándi Gábor						Előzetes jelentés a Sárbogárd, Cifrabolondvár 1959. évi ásatásról									Alba. Regia 1 (1960) 149-1				
17		F. Petres Éva							Ásatási dokumentáció a Sárbogárd, Cifrabolondvár ásatásról 1961.									SZIM Ltsz. 480., 4366/87.			
18		Kulcsár Mihály							Revízió védett régészeti területről, Sárbogárd, Cifrabolondvár								2203-08-7/B/2001. KÖI				
19		Miklós Zsuzsa						Jelentés a Fejér megyei légitényképezésről és terepbejárásról Légitelvételezés meghatározásai								NyTI-2047/2003					
20				Miklós Zsu															KÖH 600/1	968/2004	
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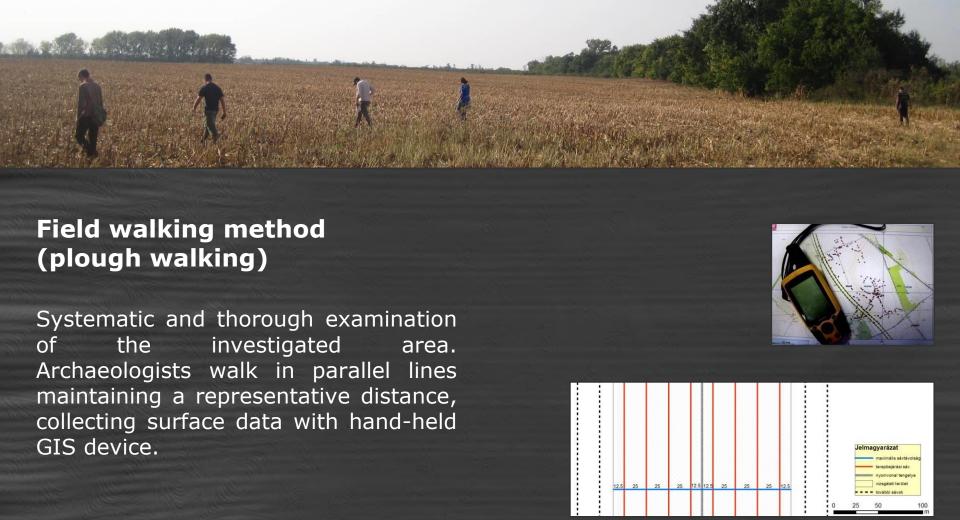
MAGYARORSZĀG REGESZETI TOPOGRĀFIĀJA



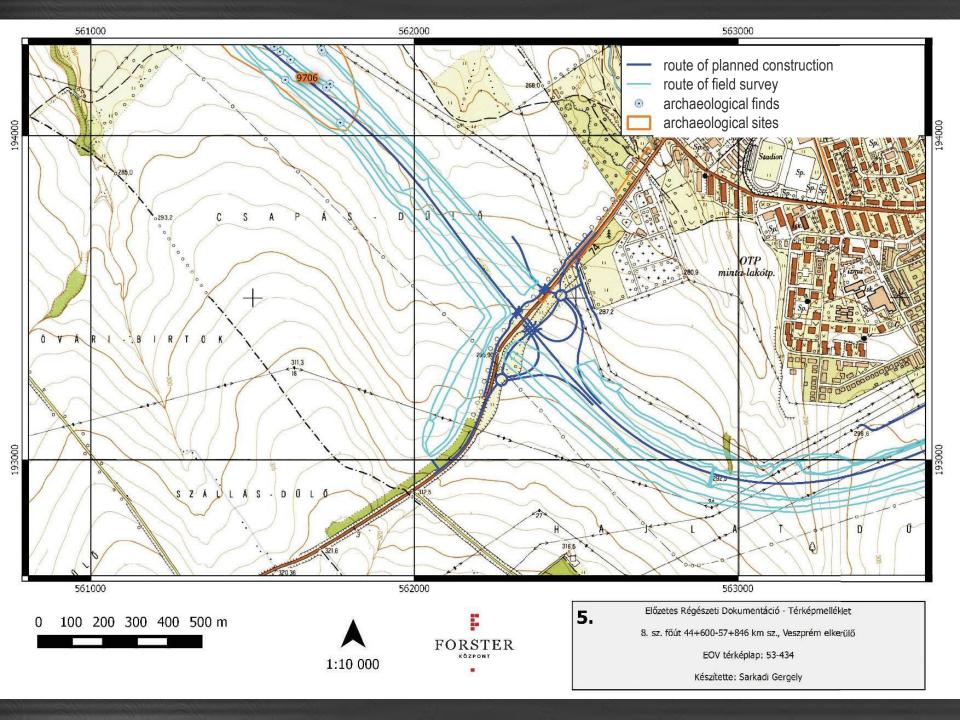
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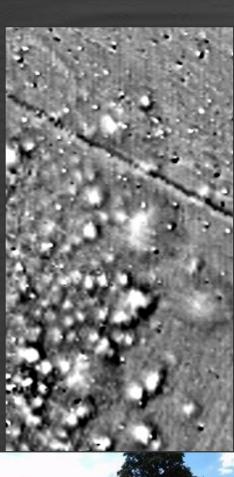




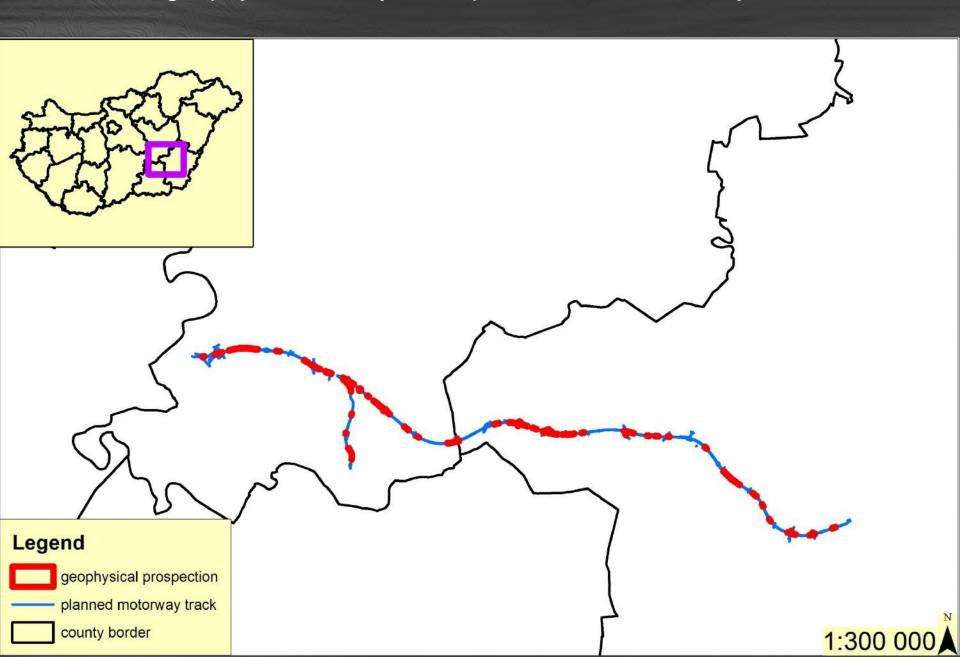
'PAD' METHODS

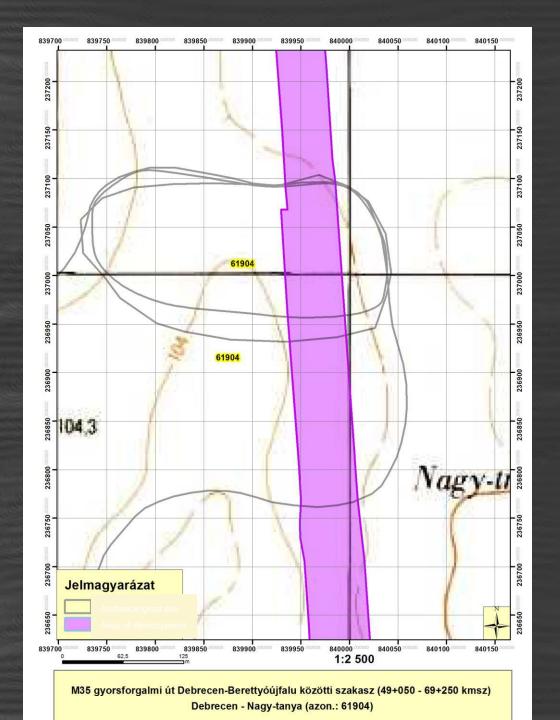
Integrated geophysical survey

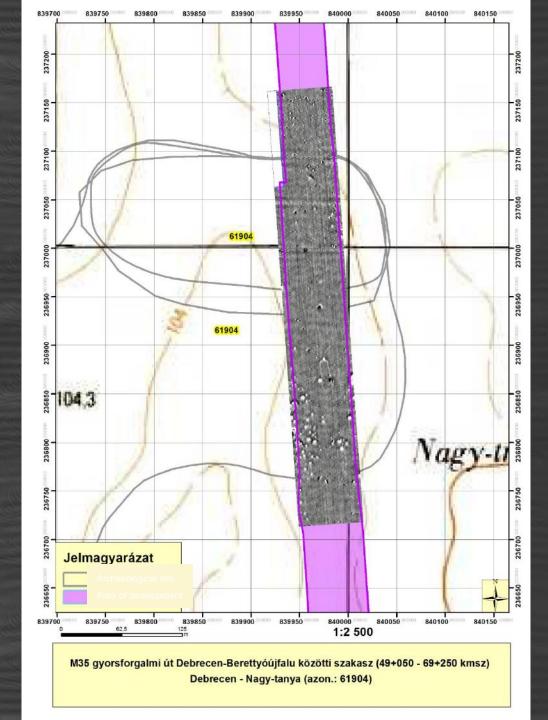
- Magnetometry -mostly good clay soil types
- Integrated coring for topsoil depth measurement
- Surveying around 1/3 of overall involvement area, concentrating areas highlighted with field survey (not ideal)
- Surveys made in-shop employing geophysicists:
 - fast feedback and utilization

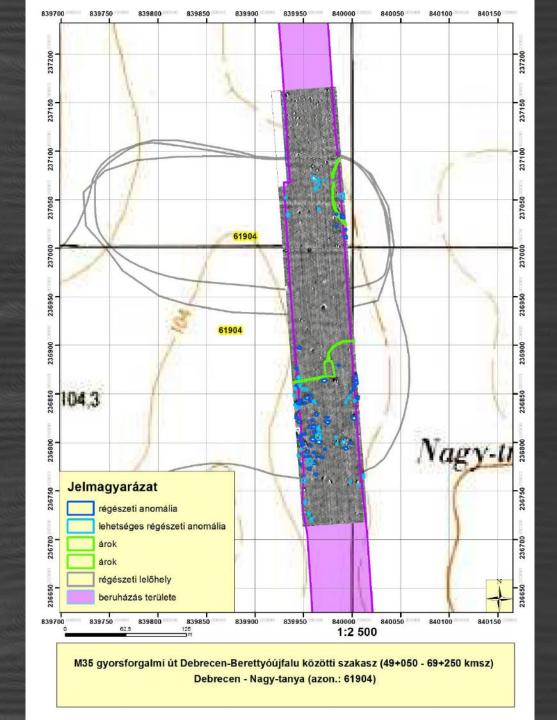


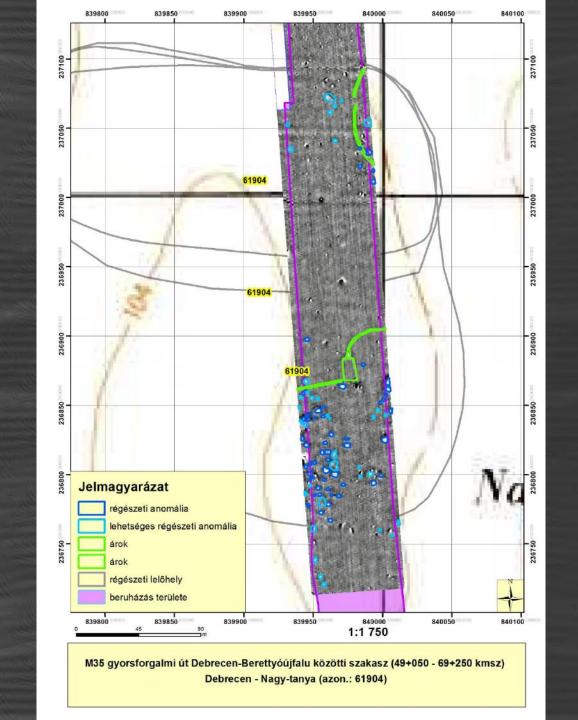
Areas of geophysical survey in the planned M44 motorway track

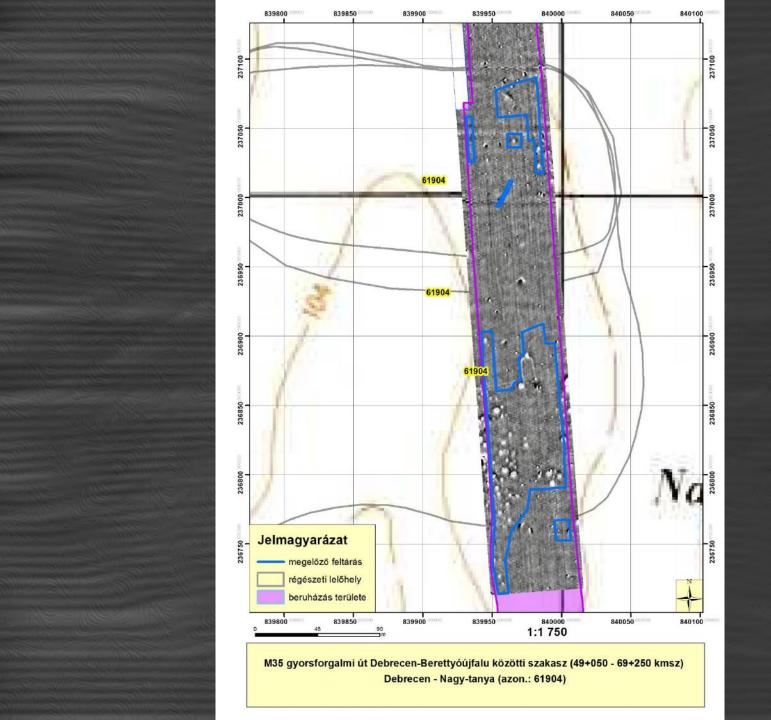


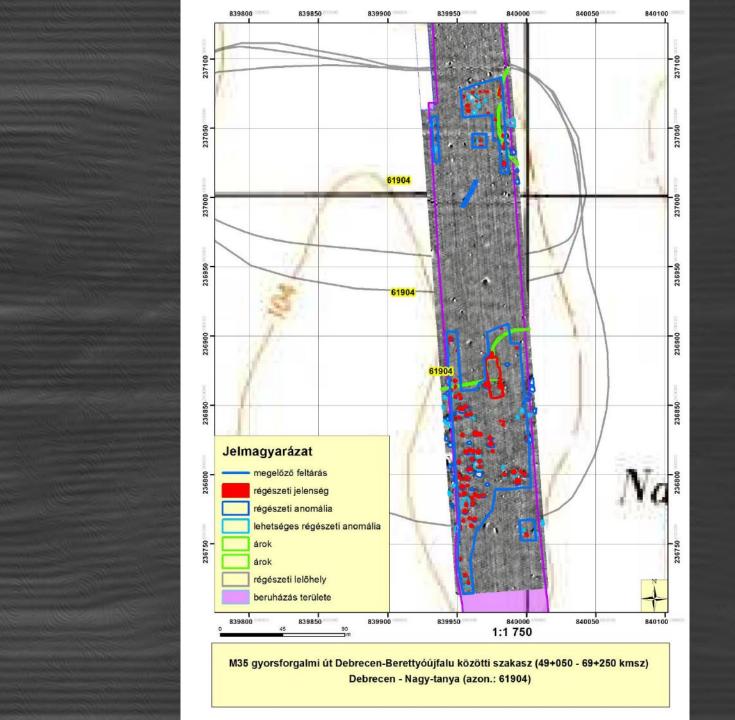






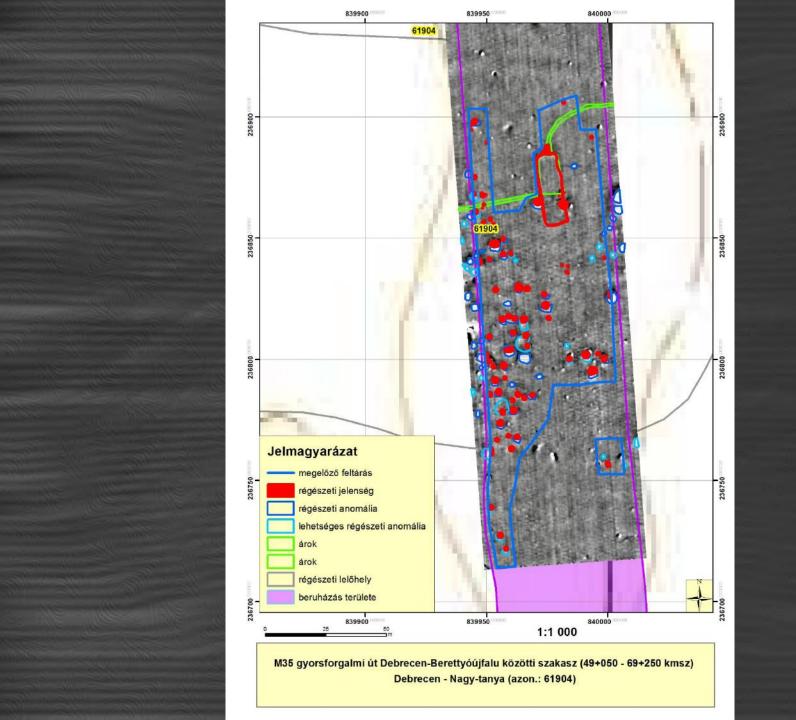












'PAD' METHODS

Trial trenching

- For validation and control
 - Budavári Ltd. part of the PAD
 - Local museums can be involved as subcontractors
 - app. 10% of the building sites it can be reduced to 3-5 % if geophysical survey was conducted

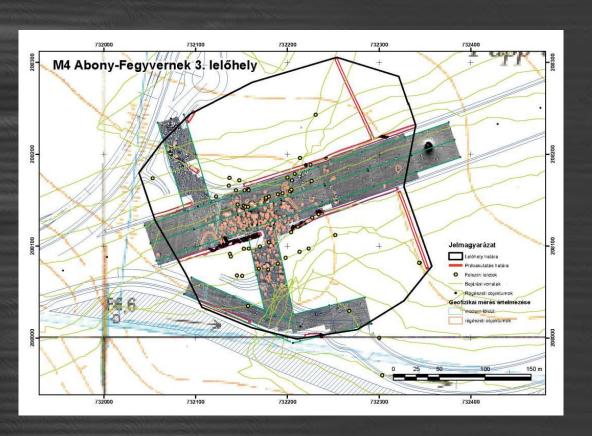


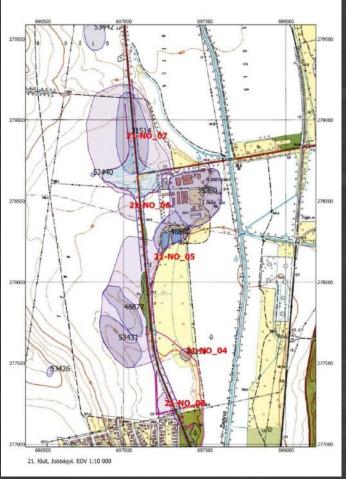


Archaeological mitigation plan

Summarising the results:

- Assessment and expert opinions
- Archaeological mitigation plan



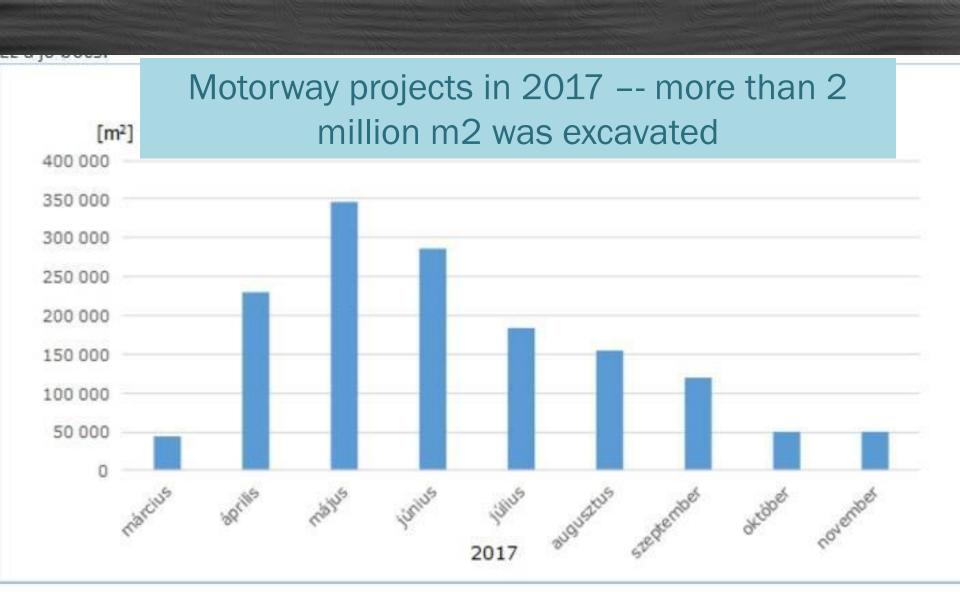




ebudavári

PDA + excavations

museum museum museum museum museum museum museum museum museum





museum museum museum museum museum museum museum museum museum

Fundamental problems in Hungarian heritage resources management:

- 1) lack of capacity
- 2) lack of storage space
- 3) 1% limit
- 4) results are hardly utilised and not available to public
- 5) no national research strategy
- 6) museums are underfinanced
- 7) Lack of site registering research, no access (online) to grey literature



THANK YOU FOR YOUR ATTENTION!

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