



NARODOWY INSTYTUT
DZIEDZICTWA
NATIONAL HERITAGE BOARD OF POLAND

*18th EAC Heritage Management Symposium
Athens 2017*

Is question-driven fieldwork vital or not?

Archaeological heritage manager's perspective



*dr Agnieszka Oniszcuk,
National Heritage Board of Poland
aoniszczuk@nid.pl*

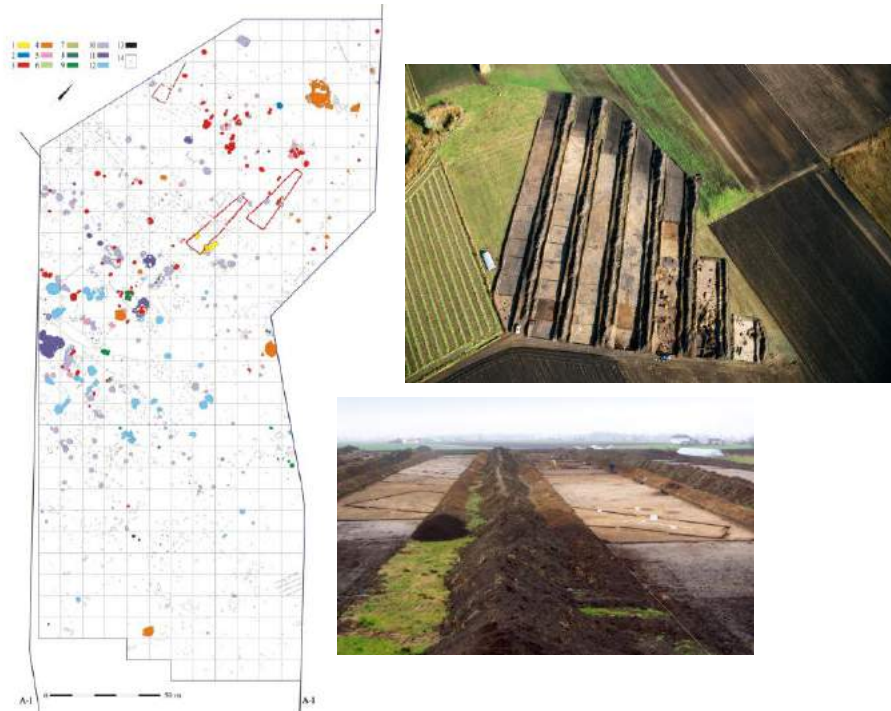
Is question-driven fieldwork vital or not?

question-driven fieldwork



Wietrzychowice, megalithic tombs, ca. 5500 years ago
 Fieldwork: 1930s-1970s, 2009 onwards

vs. development – led archaeology



Ludwinowo, A1 motorway route
 Fieldwork: 2000, 2004-2006

Poland in numbers

- 312 679 km²
- 16 regions (voivodeships)
- population 38 439 000
- 45th in the GDP per capita world ranking (WMF, 2016)
- La Valletta Convention ratified in 1996
- Faro convention neither signed nor ratified
- major projects of large scale preventive archaeological research:
 - pipeline: 1993-98
 - national roads and motorways: since 1996



Is question-driven fieldwork vital or not?

Yes, but... ✱ Yes, but... is actually a „No” according to psychological games theory by Eric Berne

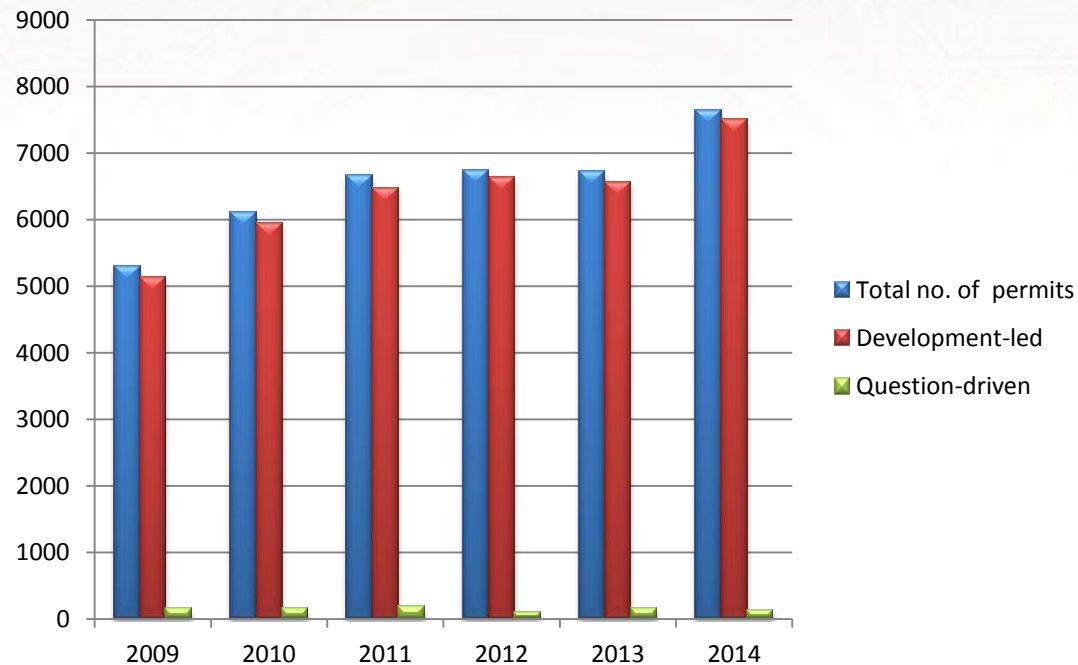


The question that our title
has cast in deathless bronze
is painful, yet so vital,
we owe it a response.

Why Does the Pickle Never Sing
by Konstanty Ildefons Gałczyński
(transl. S. Barańczak, C. Cavanagh)

No, the development-led archaeology is because...

... it is predominant



Permits for archaeological research				
Year	Total no. of new permits	Development-led	Question-driven	Question-driven %
2009	5297	5134	162	3,1%
2010	6113	5951	162	2,7%
2011	6666	6471	195	2,9%
2012	6737	6636	101	1,5%
2013	6733	6572	161	2,4%
2014	7641	7503	138	1,8%

... it is crucial for the development of archaeology

- **statistical sample of the past (unbiased)**

Pipeline preventive excavations 1993-98

- ✓ 45 ha
- ✓ 314 settlements, campsites
- ✓ 28 burial grounds
- ✓ Late Paleolithic - Middle Ages

Motorway archaeology 1996-2012

- ✓ total of 2500 sites excavated (1000 ha)
- ✓ 2250 settlements
- ✓ 200 burial grounds
- ✓ 50 others (production sites, mines, military relics etc.)
- ✓ Paleolithic – WW II



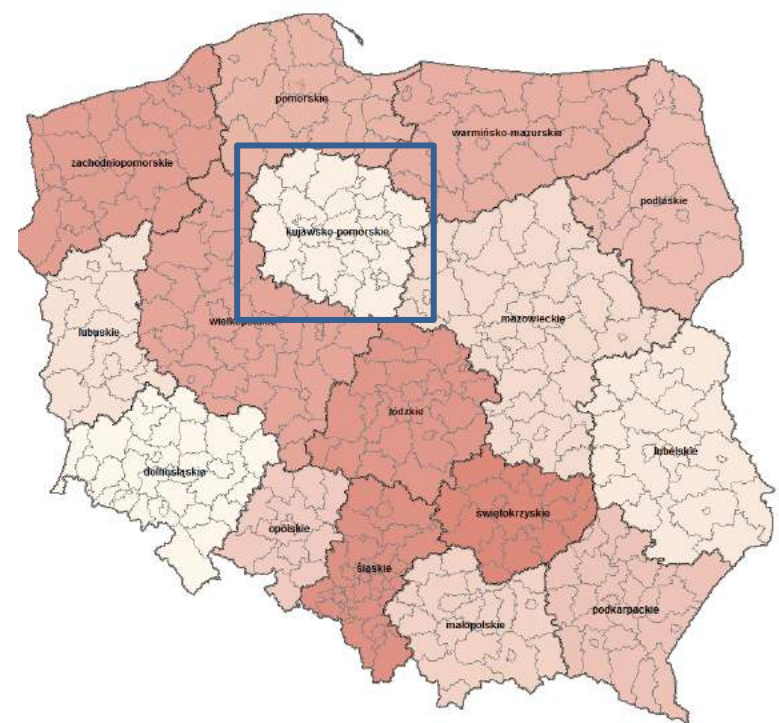
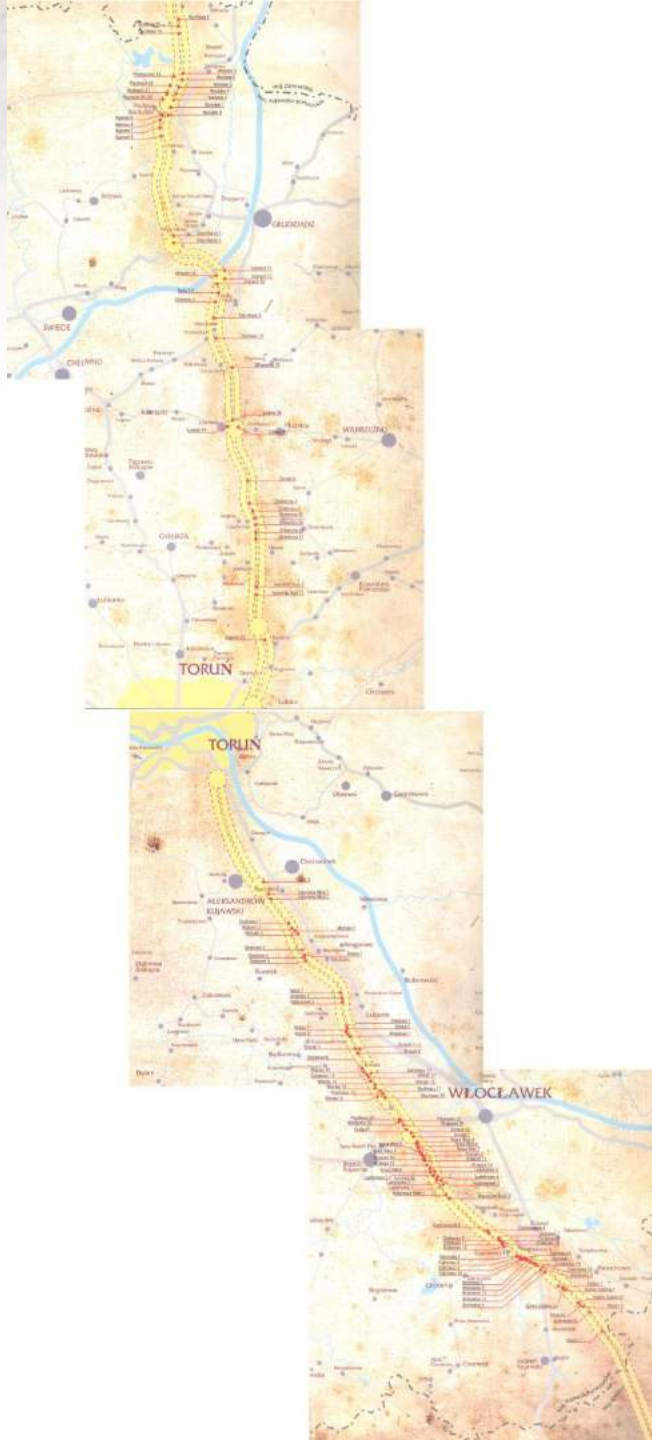
**Generalna Dyrekcja
Dróg Krajowych i Autostrad**

PROGRAM BUDOWY DRÓG KRAJOWYCH na lata 2014- 2023
(z perspektywą do 2025)

STAN REALIZACYJNY I PLANOWANY

Stan na dzień
07.02.2017r

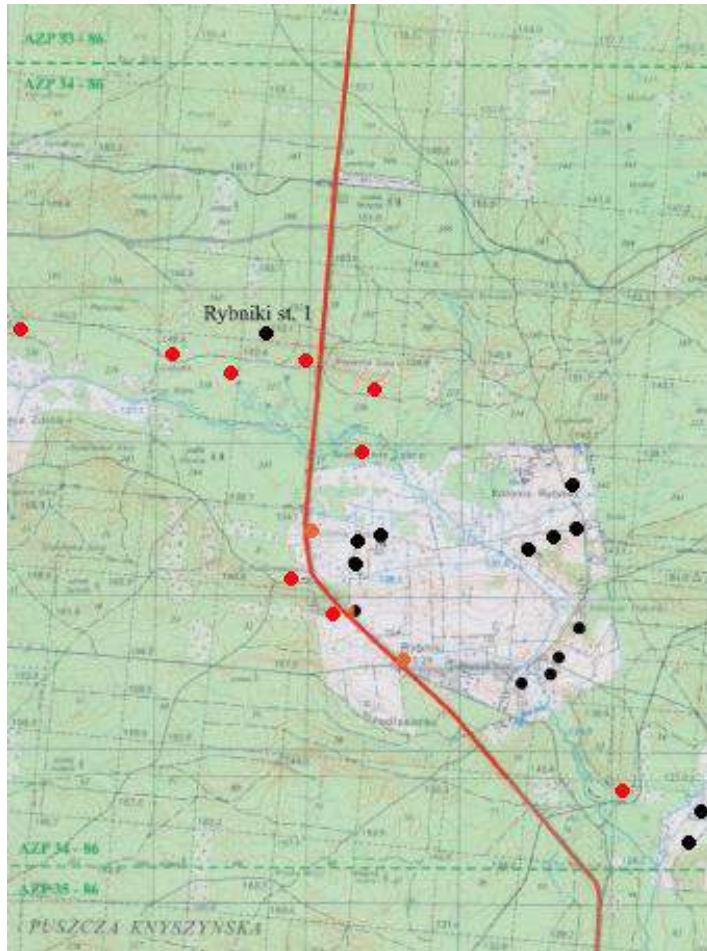




**A1 motorway
 in Kujawsko-Pomorskie Voivodeship:
 138 sites**

... it is crucial for the development of archaeology

- verification of existing methods (fieldwalking)



- fieldwalking 1995
- fieldwalking 2005
- fieldwalking 2008 related to road construction

Pipeline route fieldwalking 1993-94

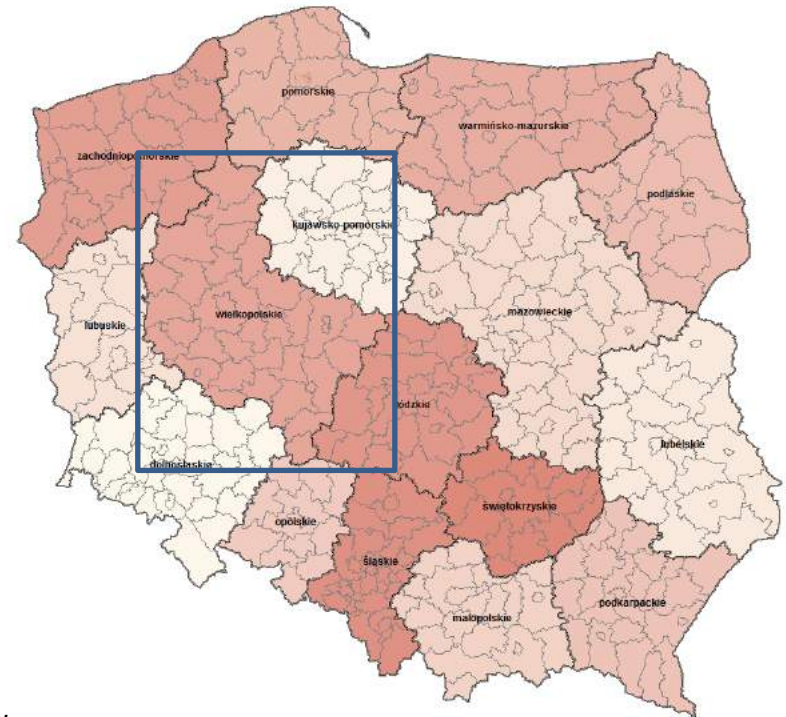
newly discovered sites previously known sites
3 : 1

**Comparison of bulk data from
motorway research with...**

... smaller-scale heritage
management projects.

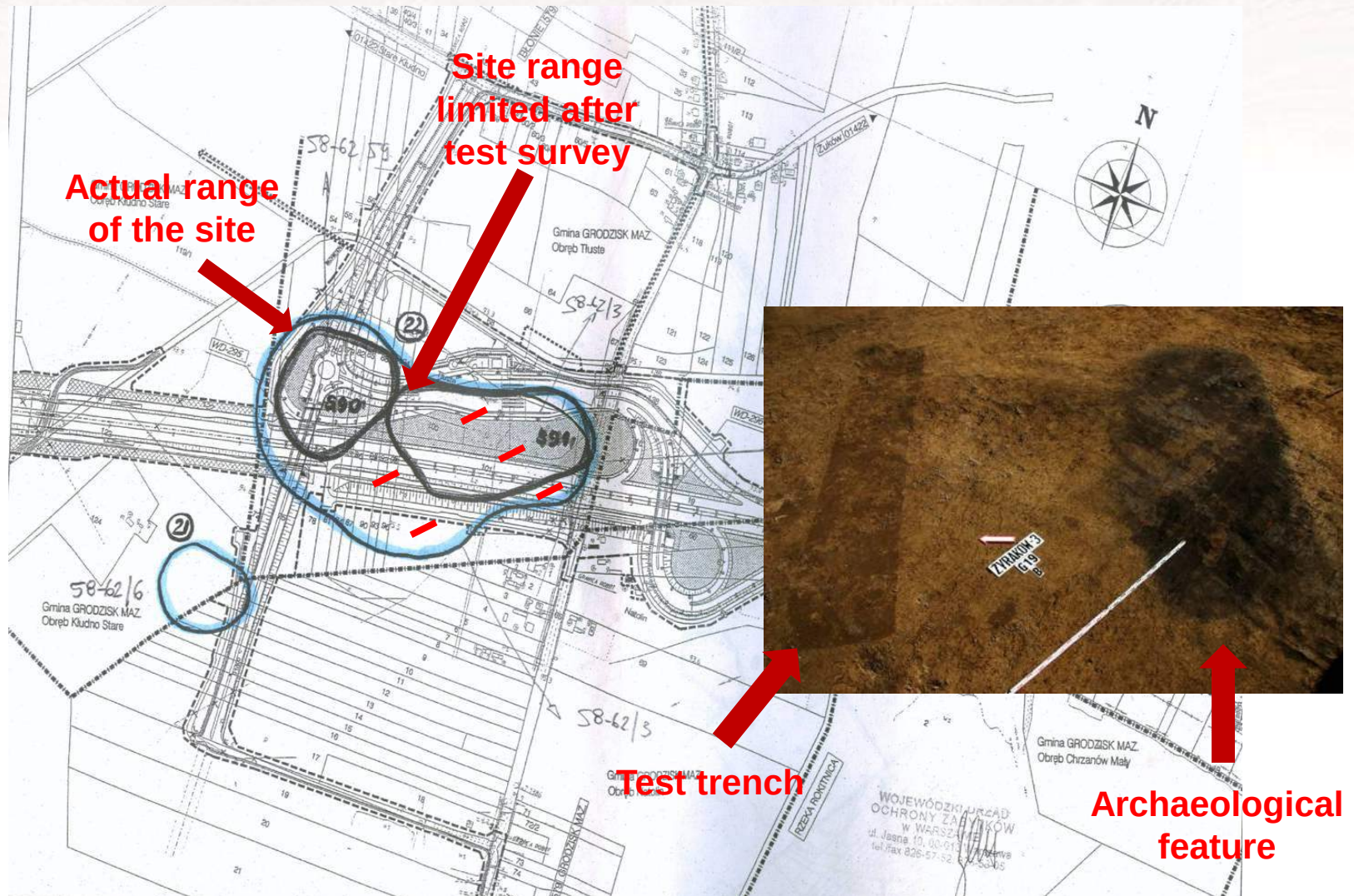
Settlement survey in the Noteć valley 2005

- ✓ first fieldwalking in 1984-85
- ✓ accessible area reduced
- ✓ number of sites + 10-30%
- ✓ 21-25% not confirmed
- ✓ 75-79% confirmed



Source: 2006.Starzyński, A., Dernoga, M. *Badania osadnicze na terenie Wielkopolski*. Wielkopolski Biuletyn Konserwatorski: 3(1). Poznań: Wielkopolski Wojewódzki Konserwator Zabytków. p. 32-44.

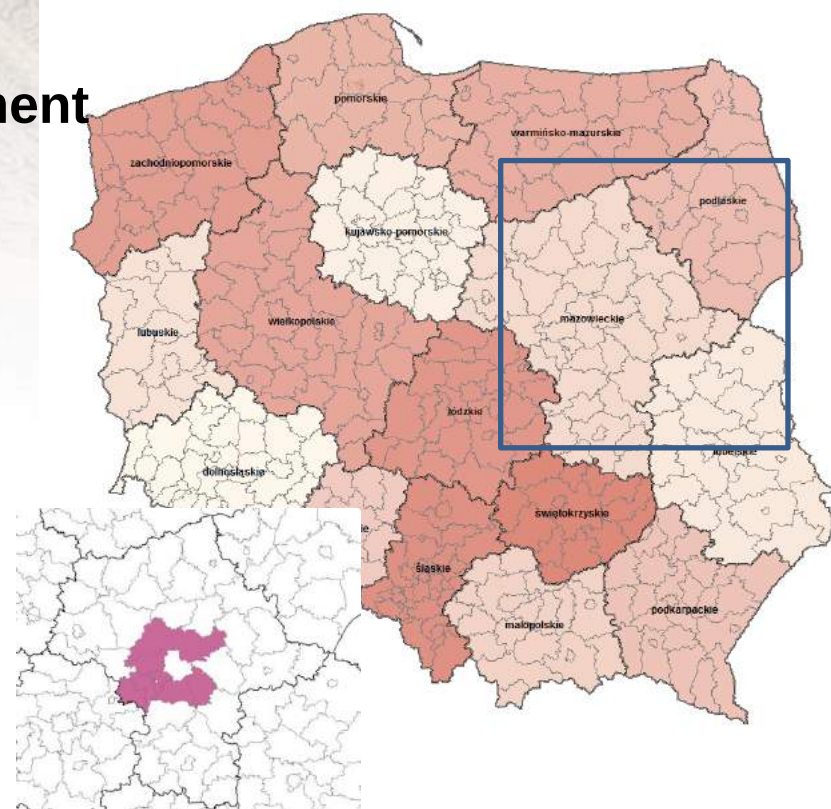
- verification of existing methods (test trenches)



- standardisation of existing methods (motorway archaeology standard)

• leaves room for improvement

Drone(s)	2
LiDAR (ALS)	1
Terrestrial Laser Scanning (TLS)	0*
Geophysical methods	3
Virtual and Extended Reality	0
Physico-Chemical sampling and Analysis (inc. C14)	7
Environmental sampling	12
Paperless Archaeology Approach	0*
Orthophotography	5*
Photogrammetry	1
GIS	5*
Computer Aided Drawing (CAD) and other vector digital drawing documentation	133*
Online data repositories and data sharing	0
Virtual and Extended Reality	0
Experimental archaeology and reenactment (inc. open days)	0



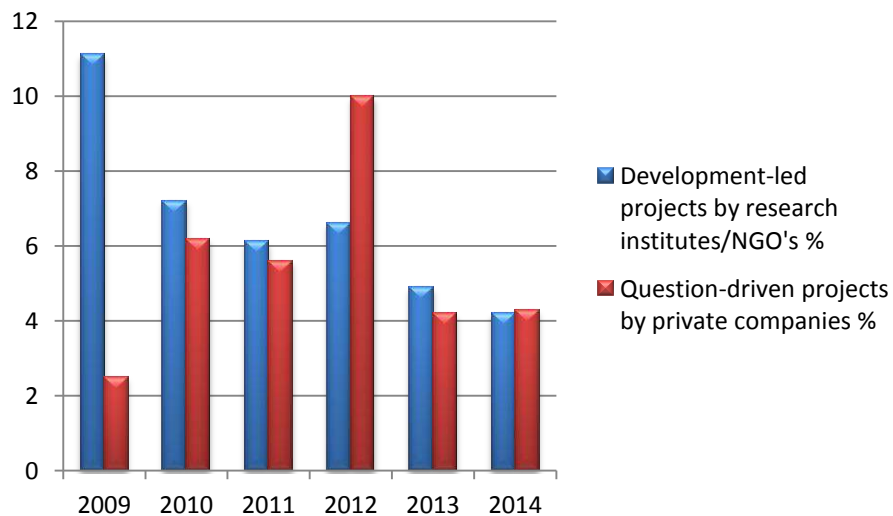
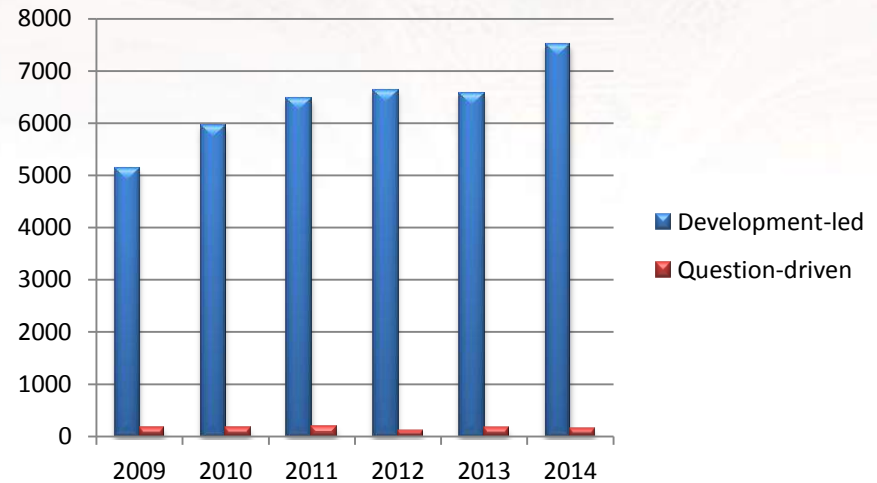
Central Masovia 2009-2014

- ✓ 9 provinces under direct supervision of Masovian Monuments Protection Office
- ✓ 798 reports
- ✓ development-led projects: 99%
- ✓ methods discussed during CAA conferences

Source: 2016. Olech-Śliż, A., Wiśniewski, M. *Modern Technologies in Polish Archaeology: Case Study of Central Masovia 2009-2014*. Novaković, P. et al. (eds.) *Recent Developments in Preventive Archeology in Europe. Proceedings of the 22nd EAA Meeting in Vilnius*, Ljubljana: Ljubljana University Press, Faculty of Arts. p. 189-203.

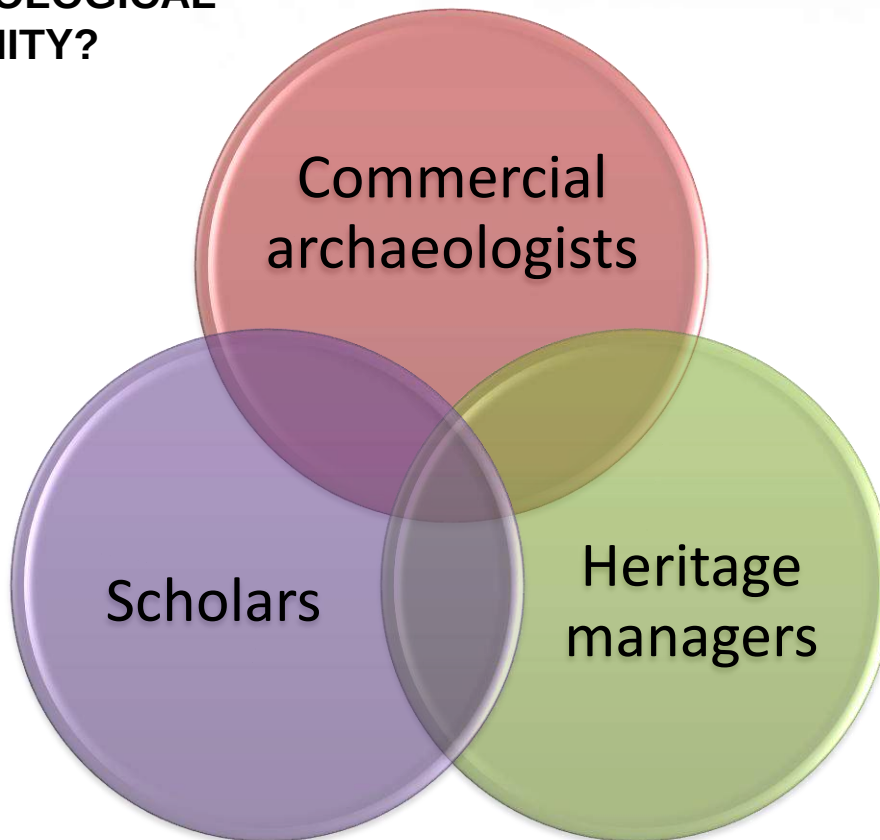
• leaves room for everyone

Permits for archaeological research			
Year	Total no. of new permits	Development-led	Question-driven
2009	5297	5134	162
2010	6113	5951	162
2011	6666	6471	195
2012	6737	6636	101
2013	6733	6572	161
2014	7641	7503	138



- leaves room for everyone

ARCHAEOLOGICAL COMMUNITY?



A heritage community consists of people who value specific aspects of cultural heritage which they wish, within the framework of public action, to sustain and transmit to future generations.

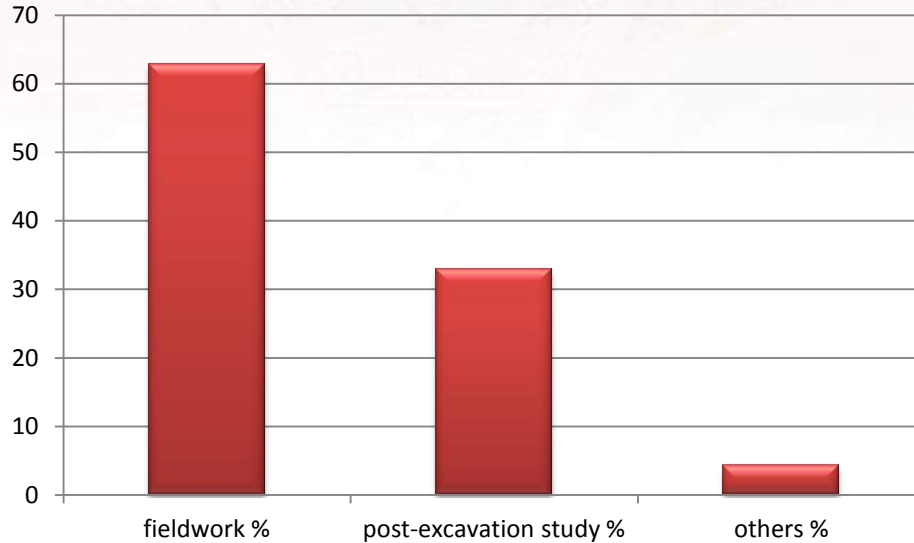
Faro Convention, Art. 2b

**FOR WHOM IS
QUESTION-DRIVEN
FIELDWORK
VITAL?**

... it is crucial for public outreach



- might help to overcome the existing criteria for valuation of archaeologists (the better the site the better the archaeologist)



Archaeology Magazine
Top 10 Discoveries 2010-2016

- ✓ 5-8 field project
- ✓ 2-5 post-excavation projects
- ✓ 1-3 non-intrusive field projects



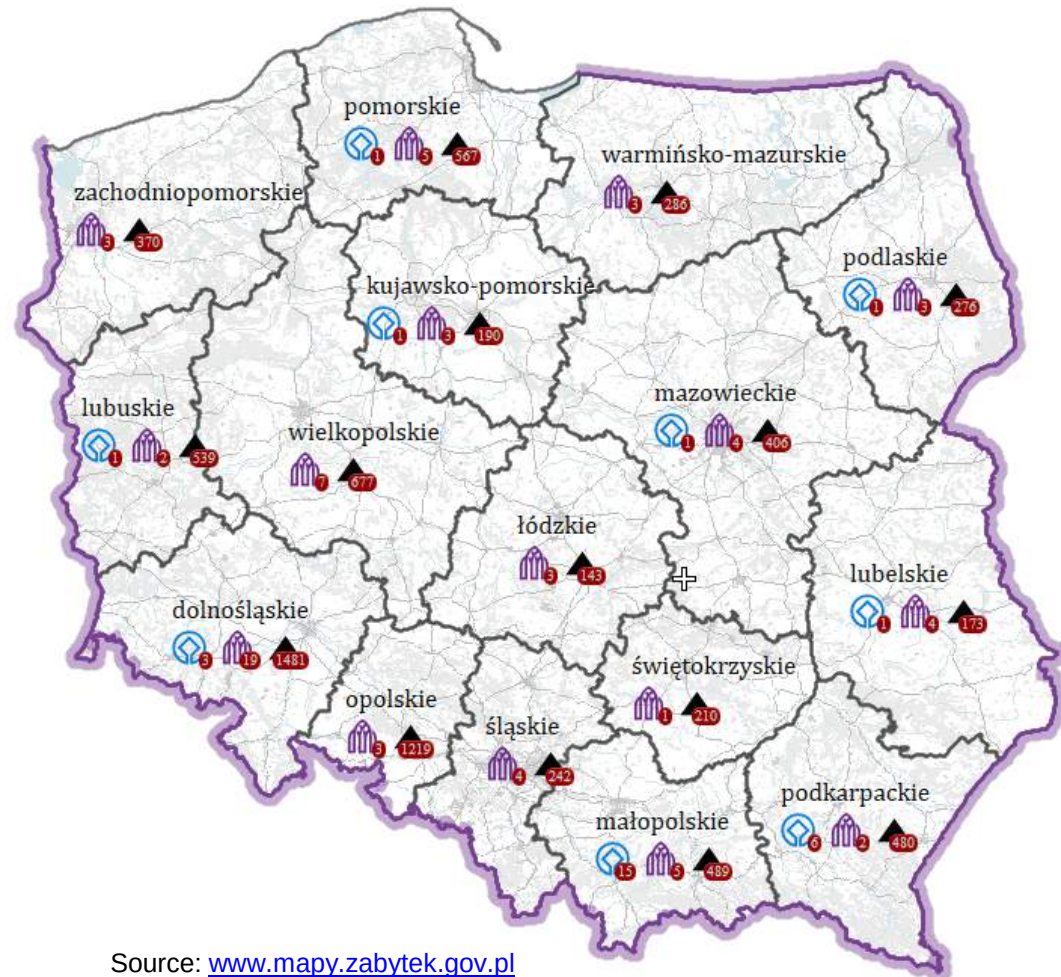
Warrior graves

Roman artifacts

19th century torpedo

... it is crucial for systemic archaeological heritage management

- ✓ consistent with the rules set by the Valletta Convention and the Lausanne Charter
- ✓ the highest potential for systemic and systematic archaeological heritage management



Source: www.mapy.zabytek.gov.pl

Sources of illustrations (if other than the National Heritage Board of Poland)

- P.2: Website of Muzeum Archeologiczne i Etnograficzne w Łodzi. *Źródła archeologiczne w rejonie Parku Kulturowego Wietrzychowice, cz. II.*
<http://www.maie.lodz.pl/pl/aktualnosci/zrodla-archeologiczne-w-rejonie-parku-kulturowego-wietrzychowice-cz-ii/>
[08.05.2017]
2011. Marchelak, I. Badania ratownicze na stanowisku 3 w Ludwinowie, pow. włocławski, woj. kujawsko-pomorskie, w latach 2004-2006. *Raport 2005-2006*. p. 71-72.
- P.3: 2005. Naglik, R. Archaeological Motorway. *Archeologia Żywa*: Special Issue. p. 41.
2000. Chłondnicki, M., Krzyżaniak, L. (eds.). *Pipeline of Archaeological Treasures*. Poznań: EuRoPol GAZ s.a., Poznań Prehistoric Society. p. 26.
- P.4: 2011. Świętosławski, W. Sprawozdanie z archeologicznych badań ratowniczych stanowisk Pomorzany 1 i 2, gm. Łanięta, woj. łódzkie, w latach 2003-2005 *Raport 2005-2006*. p. 107.
- P.6: Webpage of the General Directorate of National Roads and Motorways.
<http://www.gddkia.gov.pl/pl/2547/Sprawdz-na-mapie-przygotowanie-drog-i-autostrad> [08.05.2017]
- P.7: 2013. Wiśniewski, M., Kotlewski, L. *Archeologia autostrady. Badania archeologiczne w pasie budowy autostrady A1 w granicach województwa kujawsko-pomorskiego. Katalog zabytków*. Bydgoszcz: Generalna dyrekcja Dróg Krajowych i Autostrad Oddział w Bydgoszczy. p. 180-183.
- P.8: 2015. Bugaj, M. Wybrane problemy formalno-prawne związane z rozpoznaniem archeologicznym wykonywanym na trasach inwestycji drogowych, czyli rzecz o fallusie i głosie wołającego na puszczy. *Raport 10*. p. 304.
http://nid.pl/pl/Dla_specjalistow/Wydawnictwa/wydanie.php?ID=2239 [08.05.2017]
- P.14: 2006. Gołębniak, A., Grubka, M. OP. Muzeum pod niebem. *Muzealnictwo* 47 (6). p. 64-66.
- P.15: 2013. Lobell, J. A. Stolpe, Germany; Cumbria, England; San Diego, California. *Archeology Magazine* 10.12.2013.
<http://www.archaeology.org/issues/116-1401/features/1585-cumbria-whitley-castle-howell-torpedo-san-diego>
[08.05.2017]