# **Using Data to Understand Cultural Destruction**

Cultural Heritage at Risk: In Defense of Civilization University at Albany, State University of New York October 27, 2017

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#### **Cultural Destruction as Cultural Cleansing**

Irina Bokova, "Fighting Cultural Cleansing: Harnessing the Law to Preserve Cultural Heritage," Harvard International Review (2015).

- Defined cultural destruction as "cultural cleansing."
- Two components to cultural cleansing:
  - 1. Intentional Cultural Destruction.
  - 2. Illicit Cultural Property Trafficking.



## Intentional Cultural Destruction: Bamiyan Buddhas

Image Credit: CNN

## Intentional Cultural Destruction: Palmyra

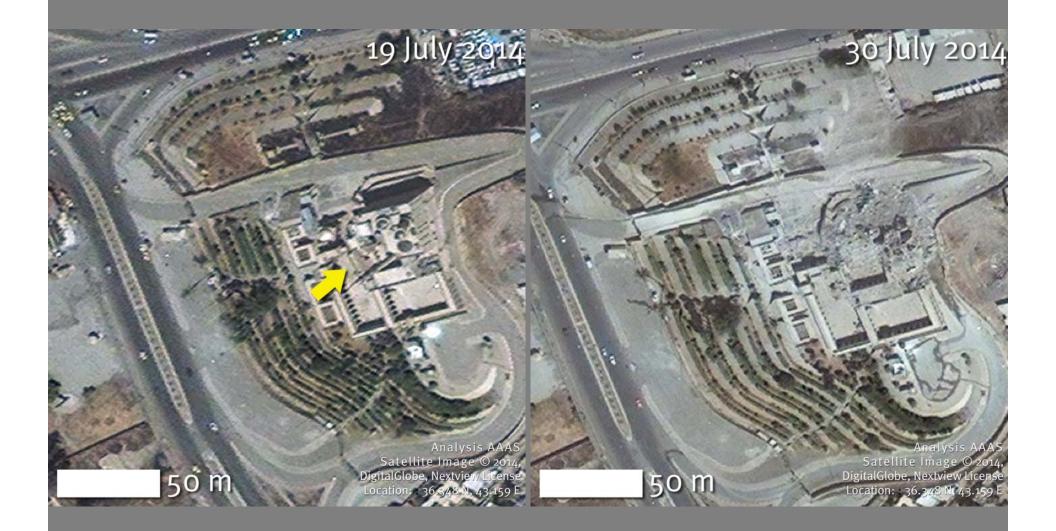


## Intentional Cultural Destruction: Nebi Yunis



Photo Credit: gatesofnineveh.files.wordpress.com

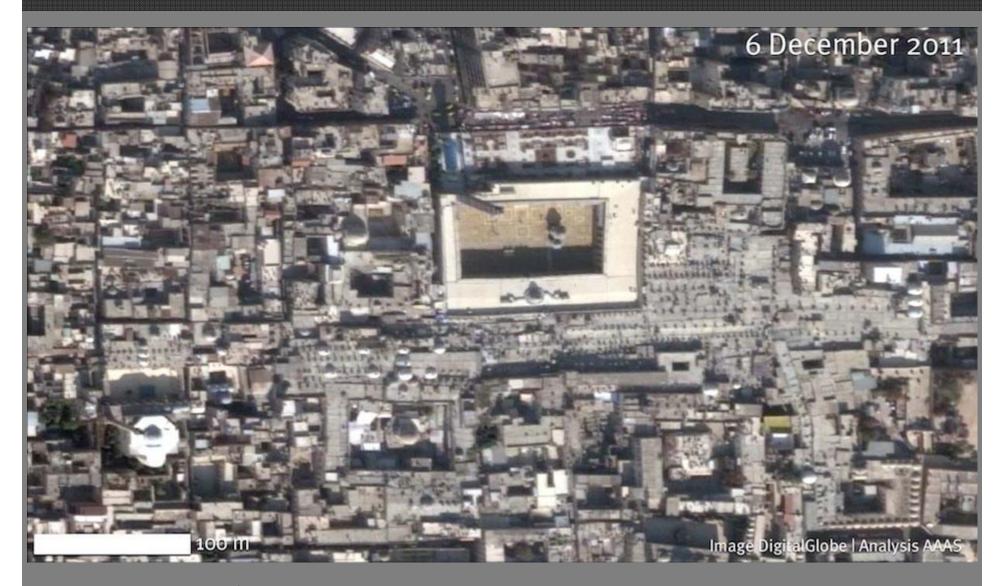
### Intentional Cultural Destruction: Nebi Yunis



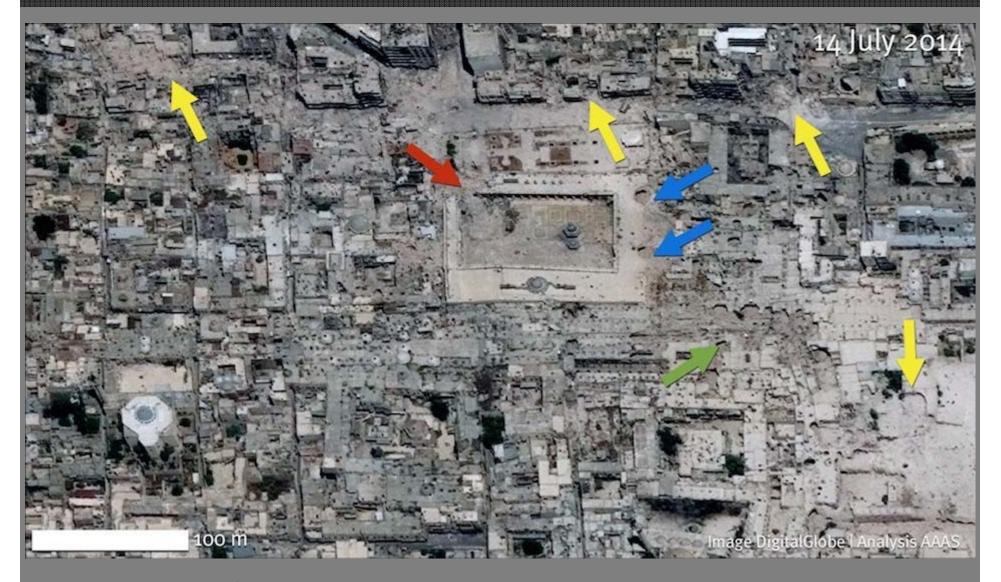
## Intentional Cultural Destruction: Nebi Yunis



## Intentional Cultural Destruction: Aleppo



## Intentional Cultural Destruction: Aleppo



#### **Intentional Cultural Destruction**

- Intentional cultural destruction may reflect a policy of social genocide aimed at removing a civilian population, and its history, from a country (e.g., Balcells & Steele, 2016).
- Intentional cultural destruction may be an attempt at civilian control (e.g., Balcells, 2010; Kalyvas, 2006; Kalyvas, 2012).
- Intentional cultural destruction may be a collateral consequence of larger scale masskilling (e.g., Fjelde & Hultman, 2014; Sullivan, 2012; Valentino et al, 2006; Valentino et al, 2004).



#### **Intentional Cultural Destruction**

- Intentional cultural destruction may be a strategy to build allied ethnic support (e.g., Bloom, 2007; Kidd & Walter, 2006).
- Intentional cultural destruction may signal a group's ideology (e.g., Conrad & Geene, 2015; Hoffman & McCormick 2010).
- Intentional cultural destruction may be a gateway to other forms of civilian targeting (e.g., Arva et al, 2013; Ward et al, 2013).



### Intentional Cultural Destruction: Criminal Accountability

Jurisdiction of the International Criminal Court:

- genocide (Article 6)
- crimes against humanity (Article 7)
- war crimes (Article 8)
- crimes of aggression (Article 8 bis, but not within jurisdiction)
- offences against the administration of justice (Article 70)



### Intentional Cultural Destruction: Criminal Accountability

#### Kupreskic Trial Judgment, No. IT-95-16-T, para. 636 (ICTY 2000)

"the mens rea requirement for persecution is higher than for ordinary crimes against humanity, although lower than for genocide .... Persecution as a crime against humanity is an offence belonging to the same genus as genocide .... In both categories what matters is the intent to discriminate .... From the viewpoint of mens rea, genocide is an extreme and most inhuman form of persecution. When persecution escalates to the extreme form of willful and deliberate acts designed to destroy a group or part of a group, it can be held that such persecution amounts to genocide."



Image Credit: Associated Press

## Illicit Cultural Property Trafficking: Dura-Europos

2 April 2014



#### **Illicit Cultural Property Trafficking**

- Looting may occur as a form of civilian resource hoarding prior to conflict or political/economic destabilization (e.g., Parcak et al., 2016; Stone, 2008).
- 2. Looting may occur to fund state or non-state actors.
- Looting may occur after an armed actor has stabilized an archaeologically rich area, normative international laws are suspended, and community support for cultural heritage preservation is absent at the subnational level (e.g., Mackenzie and Davis, 2014).
- 4. Looting may not occur because communities at the subnational level adhere to norms or underlying beliefs about cultural heritage preservation.



#### **Illicit Cultural Property Trafficking**

Characteristics of the traditional illicit cultural property trade:

- The illicit cultural property trade has involved stable, hierarchical, and functional multi-decade supply chains.
- Actors in the illicit cultural property trade include regional networks of looters, intermediaries who purchase from looters, distributors who purchase from other intermediaries, and collectors.
- Some intermediaries and distributors are also connoisseurs with formal training in art history or archaeology.



## **Illicit Cultural Property Trafficking**





Photo Credit: Peter Watson and Cecilia Todeschini/ The Medici Conspiracy (2006)



#### **Illicit Cultural Property Trafficking: Recent Changes**

- 1. Organized criminal and terrorist actors are now participating in illicit cultural property trafficking.
- 2. New intermediaries are appearing in the illicit trade, who are opportunistic and treat cultural property as an exploitable resource similar to other illicitly trafficked conflict resources such as diamonds, oil, and coltan.
- 3. Criminal and terrorist actors are likely to be involved with the illicit cultural property trade only in so far as it is profitable and market access is possible.



## Illicit Cultural Property Trafficking: Recent Changes



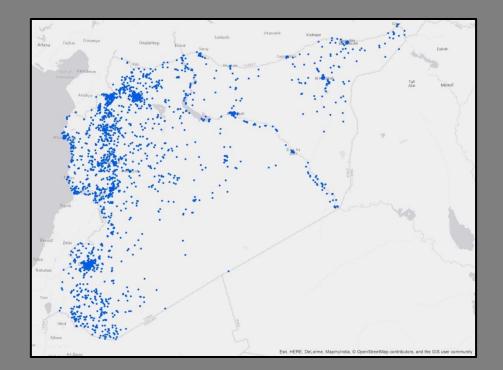
#### **Cultural Destruction as Cultural Cleansing**

- There are testable theories on "cultural cleansing" developed from the literature about civilian targeting and illicit trafficking.
- Interoperable datasets of cultural sites and event-level datasets about cultural destruction that can test theories are lacking (Brosché et al, 2016).
- Systematic data development is a challenge.



Considerations in the development of cultural sites datasets:

- There is a desire for cultural site datasets to be multipurpose.
- Cultural heritage is a slippery definitional term.
- A single cultural site may have multiple locations across the landscape.
- A single cultural site may have multiple sub-sites within it.

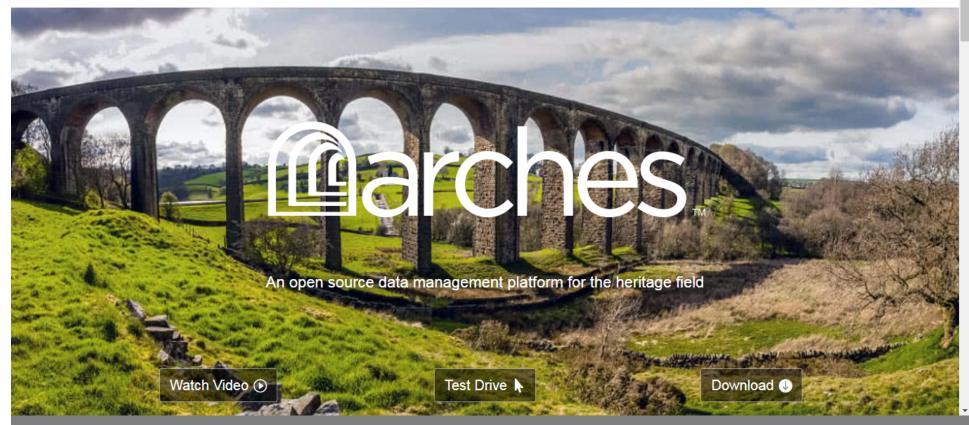


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#### A State-of-the-Art System for Jordan's Archaeological Sites

MEGA-Jordan is a purpose-built geographic information system (GIS) to inventory and manage archaeology sites at a national level. It has been developed using state-ofthe-art technology and requires no more than basic computer skills to enter site and site element boundaries and buffer zones; site details such as condition, threats, and other monitoring updates; and to print out detailed, up-to-date reports on Jordan's vast number of archaeological sites. The system, in both Arabic and English, is webbased and will standardize and centralize data throughout the Kingdom.



The Getty Conservation Institute



Department of Antiquities

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## **Definitions of Cultural Heritage**

1954 Hague Convention	1970 UNESCO Convention	1972 World Heritage Convention	2007 ICOM Definition	"Authoritative Heritage Discourse"
<ul> <li>(a) moveable and immoveable cultural property</li> <li>(b) cultural repositories (museums, libraries, archives)</li> <li>(c) centers containing monuments</li> </ul>	"[portable] property which, on religious or secular grounds, is specifically designated by each State as being of importance for archaeology, prehistory, history, literature, art or science"	(a) monuments (b) groups of buildings (c) sites	"a museum is a non-profit, permanent institution, which acquires, conserves, researches, communicates and exhibits the tangible and intangible heritage of humanity[.]"	"based on the Western national and elite class experiences, and reinforcing ideas of innate cultural value tied to time depth, monumentality, expert knowledge and aesthetics"
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## **Definitions of Cultural Heritage**

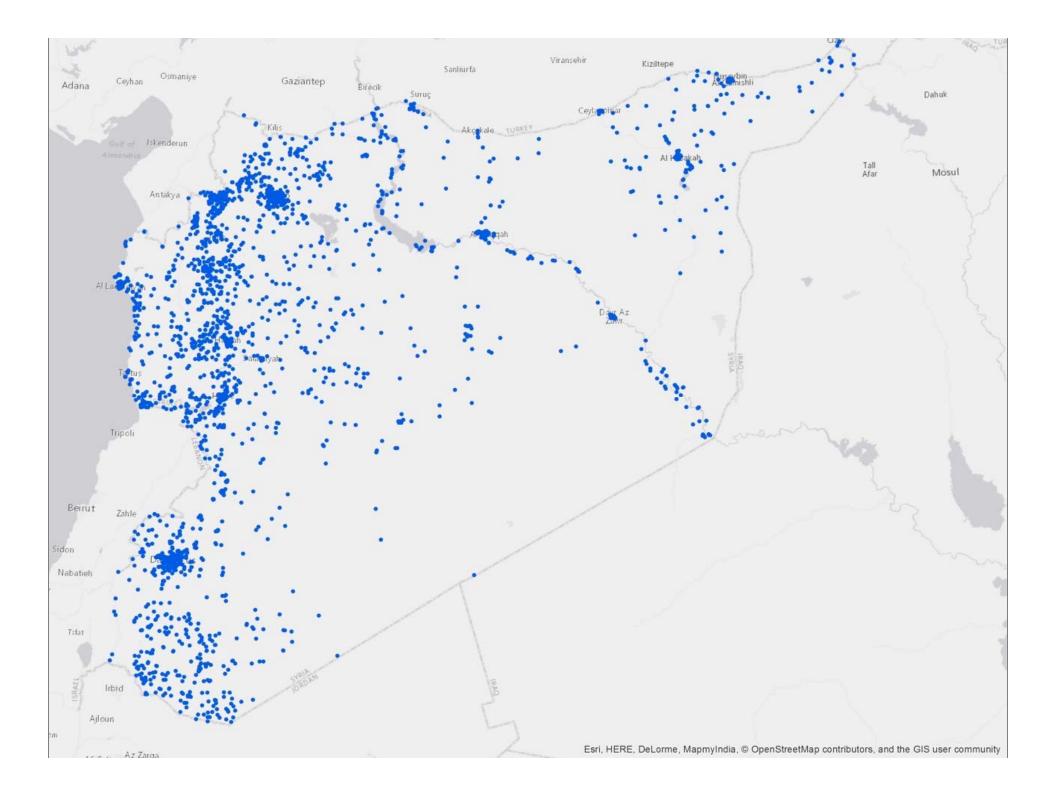


Photo Credit: Richard M. Leventhal

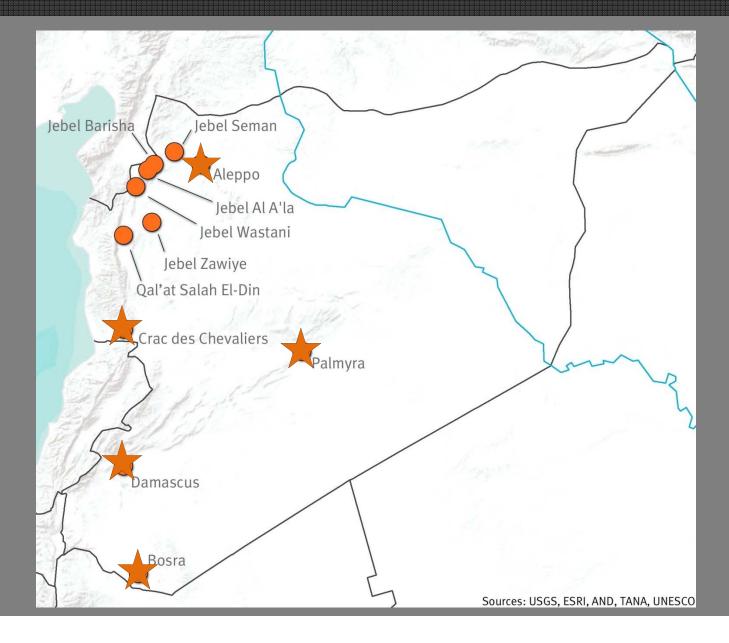
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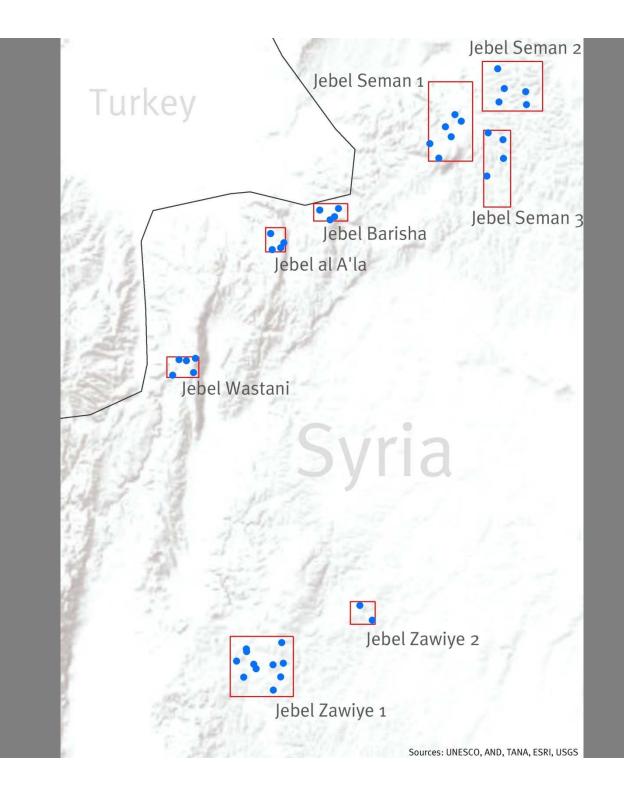


Photo Credit: Richard M. Leventhal



## **Definitions of Cultural Sites**



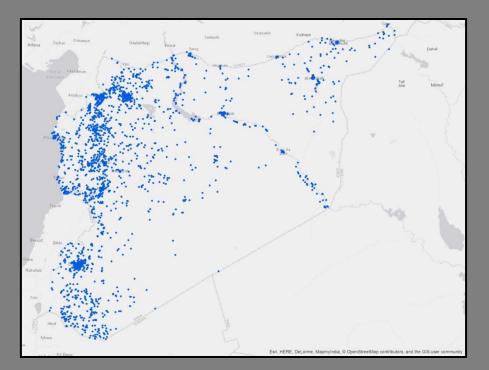


## **Definitions of Cultural Sites**



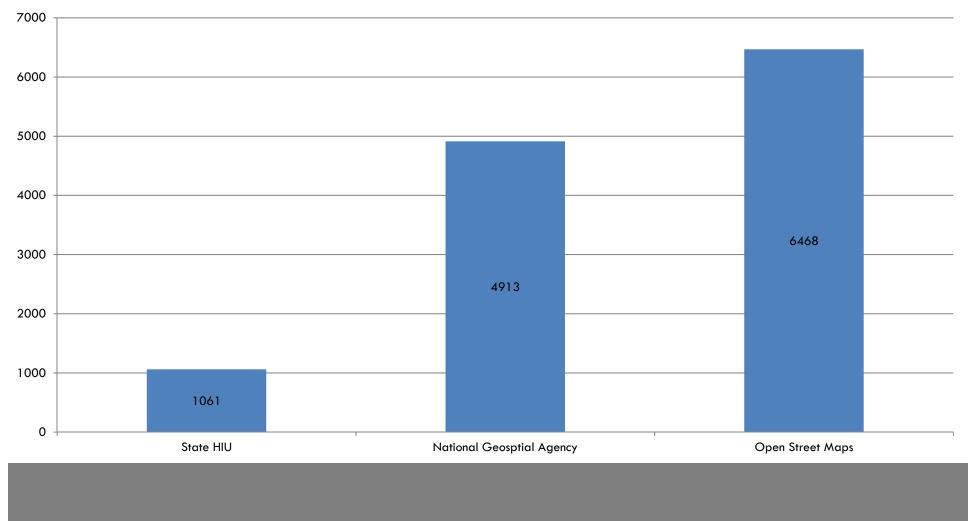
Sources of existing cultural site datasets:

- Proprietary research datasets.
- U.S. Committee of the Blue Shield.
- U.S. Department of State (ECA/HIU).
- National Geospatial Agency.
- Open Street Maps.



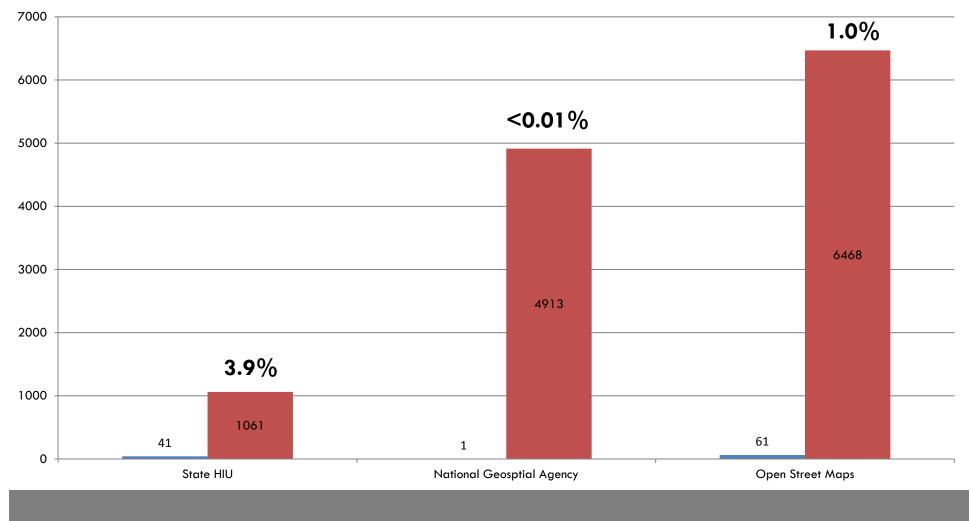
## **Definitions of Cultural Sites**

Number of Cultural Sites on Existing Lists for Syria

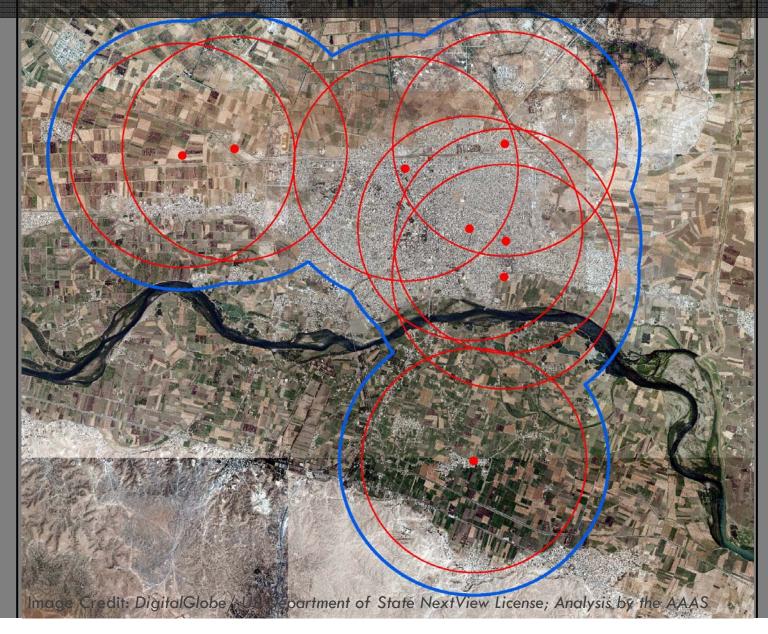


## **Definitions of Cultural Sites**

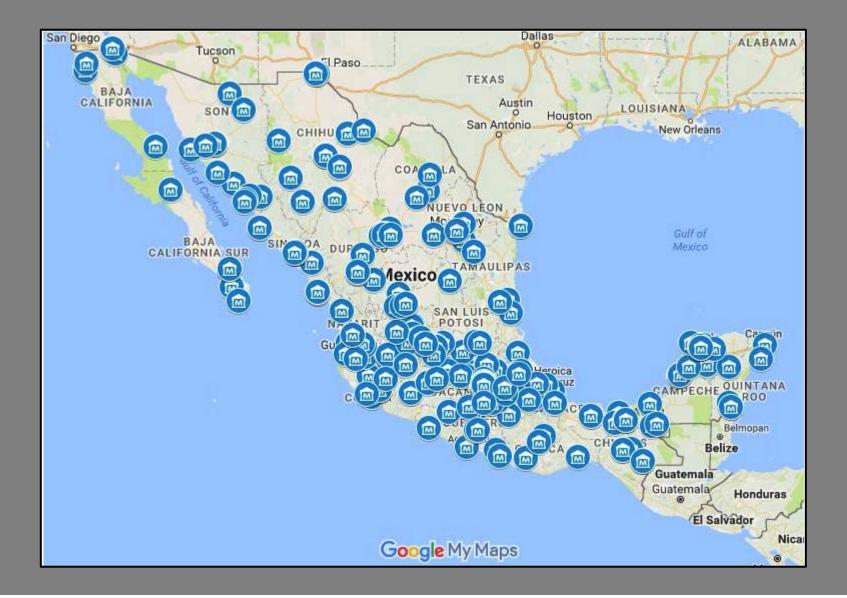
Number of Palmyra Sites in Existing Cultural Sites Lists for Syria



## Analyzing Cultural Cleansing: Raqqa



## **Developing Cultural Datasets: Global Cultural Repositories**



Alternative approaches to studying intentional cultural destruction:

- Focus on evidence of destructive activity by an actor directed toward another actor or civilians at a culturally significant location over a specific temporal duration, or evidence of destructive activity by an actor directed toward a culturally significant location over a specific temporal duration.
- Use event-level data interoperable with the ACLED and UCDP datasets.

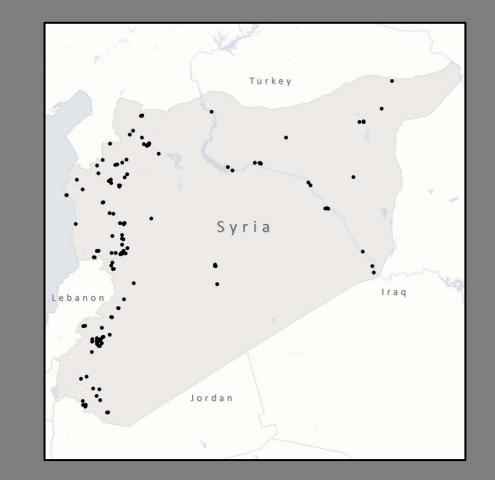


#### Preliminary Case Study:

- Syria , 2011-2014.
- Using the Factiva database, the University of Pennsylvania and Smithsonian Institution created an event-level dataset of intentional cultural site damage.
- Results: Approx. 627 events in Syria.



Award #1439549



#### Conflict Culture Research Network Georeferenced Damage Dataset (CCRN-GDD)

Codebook Draft 1.0 beta March 2016

Brian I. Daniels, University of Pennsylvania Museum

The purpose of this dataset is to record instances of reported damage to cultural heritage sites in countries experiencing conflict or protest. As of Version 1.0 beta, it includes reported instances of heritage destruction in Syria (2011-2014) and Iraq (2003-2014). Procision codes for time, location, event type, and event definitions are adapted from the UCDP GED codebook version 1.5, and the Syria Conflict Event Dataset (SCED) Codebook developed at the University of Maryland's Center for International Development and Conflict Management.<sup>1</sup> Section 1 provides a definition for an "instance of damage." Section 2 discusses the procedure for locating news articles that contain instances of damage. Section 3 provides a description of information that should be obtained and entered for each instance of damage.

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Geospatial Technologies Project American Association for the Advancement of Science

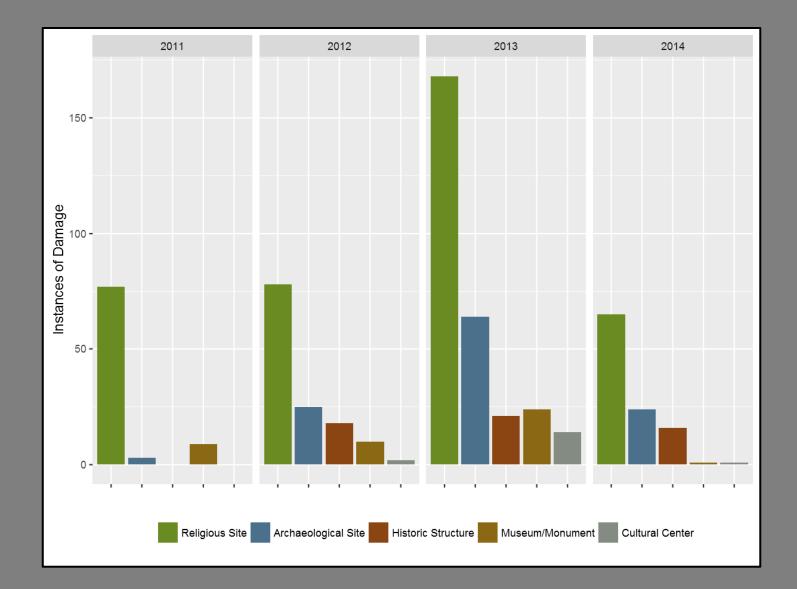
Center for International Development and Conflict Management University of Maryland, College Park

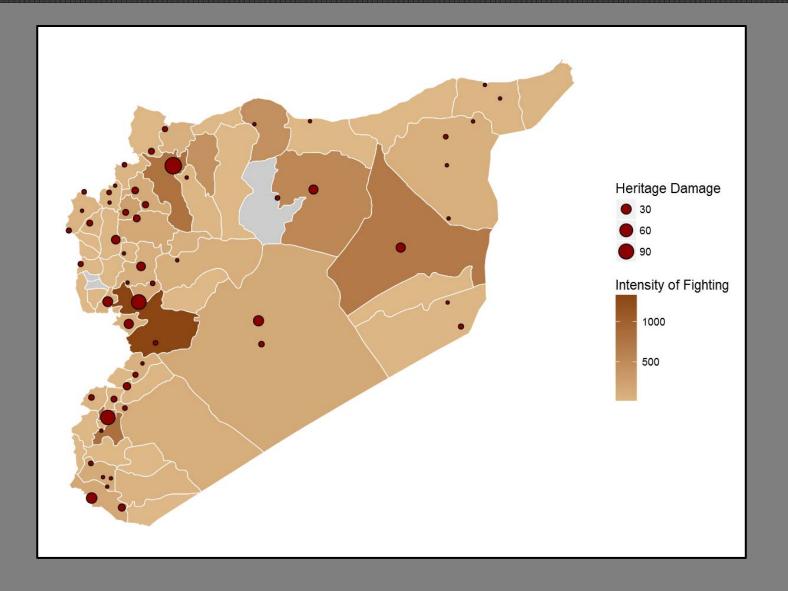


This project has been supported by the National Science Foundation (Award #1439549) and the University of Maryland/Smithsonian Seed Grant Program.

<sup>1</sup> Ralph Sunderberg and Erik Malendar, "Introducing the UCDP Georeforanced Event Dataset," Journal of Peace Reserved 50, no. 4 (2013): 523-532; Ralph Sunderberg, Mathida Lindgran, and Aure Padukacinosity. "UCDP GED Codoback varian I.0:-2011." Department of Pooce and Conflict Research, Uppate University, 2010; and Datris Cil and Jacob Annen, "Syria Carlitis Event Dataset, Codoback Draft 1b," Center for International Development and Carlitis Management, University of Maryland, 2016.

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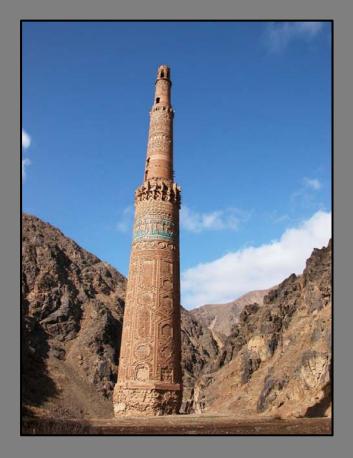




#### **Event-Level, Cultural Destruction: Afghanistan**

#### Preliminary Case Study:

- Afghanistan, 2004-2009
- Jacob Aronson (University of Maryland), Laurie Rush (US Army), Brian I. Daniels (University of Pennsylvania).
- Villages that experienced Coalition-caused damage to religious heritage sites experienced a statistically significant increase of 0.71 insurgent attacks over the subsequent three-month period compared to similar villages that did not suffer such damage.
- Reflects an absolute 33% increase in attacks.



## **Conflict Culture Research Network**

































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#### Using Data to Understand Cultural Destruction

- Little social science literature about cultural cleansing exists and many critical questions—and avenues of research—are, as of yet, unstudied.
- A primary reason for this lack of scholarly attention is the absence of cultural datasets.
- As a field of study, cultural heritage is behind data developments in other fields and the digital humanities.
- There is a great need among the emergency preparedness community for cultural site data.

