Introduction

Welcome to the ArchaeoGLOBE Project.

You have been invited to join this project because you are an archaeologist with expertise in the field of land use.

By sharing your regional archaeological knowledge through this questionnaire, you will be contributing to the first global inventory of archaeological knowledge of past land use over the past 10,000 years.

What follows is a series of questions concerning land use at 10 distinct points in time within selected regions of your choice.

You are encouraged to repeat the questionnaire for as many regions as you feel qualified. Your name will not be connected with the data you share.

Instructions on becoming a co-author of the resulting paper, or to opt-out are presented at the end of the questionnaire.

For a more detailed description of the project please review our <Google Doc>.

View the global map of regions in Google Maps: <Global Regions Map>.

If you are unable to access Google Maps view the regions here: <North America Regions>, <South America Regions>, <Europe Regions>, <Africa Regions>, <Asia Regions>, <Southeast Asia/Autralia Regions>.

Thank you for joining us, and please <contact us> with questions and recommendations of other archaeologists we should invite to join us.

Enjoy!
The ArchaeoGLOBE core team,
Lucas Stephens, University of Pennsylvania
Dorian Fuller, University College London
Torben Rick, Smithsonian National Museum of Natural History
Nicole Boivin, Max Planck Institute for the Science of Human History
Erle Ellis, University of Maryland Baltimore County

Are you an archaeologist?

- ○ Yes
- ○ No

Thank you for your interest, but this project has been designed to collect the knowledge of archaeologists, and only archaeologists. We apologize for any inconvenience.

Please enter your name:

Please enter your affiliation:

Please enter your email address:

What is your highest level of education?

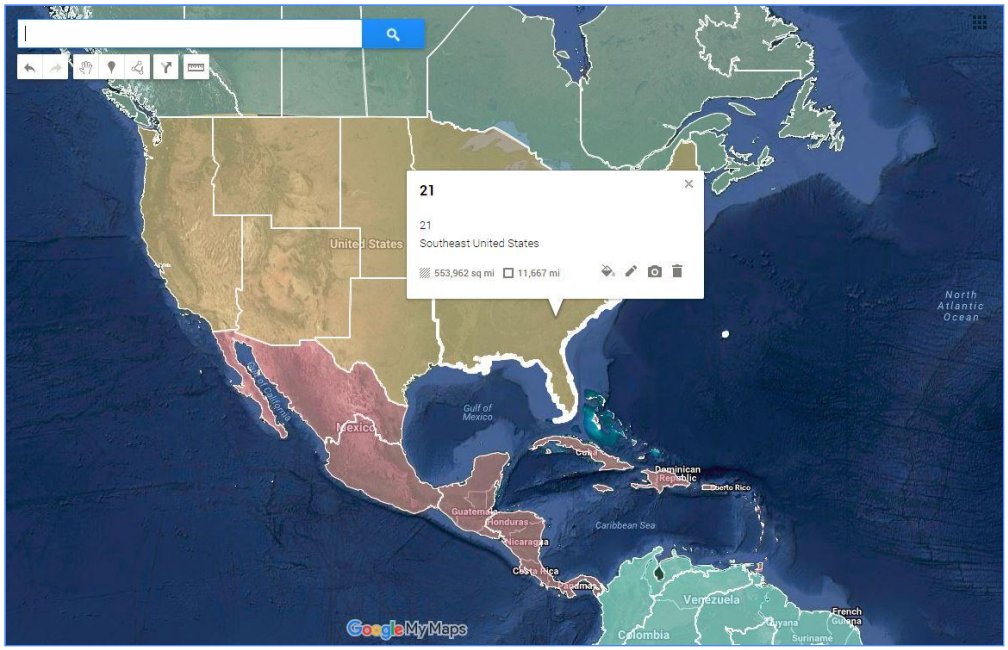
- ○ Bachelor's
- ○ Master's
- ○ Currently in PhD Program
- ○ Doctorate

Please enter your research specialty (e.g. Landscape Archaeology):

Region

Please select a region for which to assess land use:

Use the <Global Regions Map> and click on a region to see its ID number (as shown in the image below).



If you are unable to access Google Maps, view the regions through these maps: <North America Regions>, <South America Regions>, <Europe Regions>, <Africa Regions>, <Asia Regions>, <Southeast Asia/Autralia Regions>.

Then select the region's ID number from the list below:

1
2
3
4
5
6
7
8
9
10

In order to document the geographical and temporal bias in our sample of respondents, we ask that you please record your expertise in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for each timeslice according to the following rubric:

None	Low	High
You are unfamiliar with the archaeology of the region.	You have a general knowledge of the archaeology of the region and are aware of the sources of information concerning past land use, though you do not actively engage with the scholarship of the region.	You have conducted or currently conduct fieldwork in the region and actively engage with the scholarship concerning past land use. You are up to date on the published findings of other archaeological projects in the region.

	None	Low	High
10,000 bp	○	○	○
8,000 bp	○	○	○
6,000 bp	○	○	○
4,000 bp	○	○	○
3,000 bp	○	○	○
2,000 bp	○	○	○
1,000 bp	○	○	○
1500 CE	○	○	○
1750 CE	○	○	○
1850 CE	○	○	○

In order to reveal areas of strength in archaeological research and areas where further research is needed, please rate the quality of archaeological data pertaining to past land use in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for each timeslice according to the following rubric:

Unknown	Moderate	Good
The region is unstudied archaeologically, or you are unaware of any published scholarship pertaining to past land use.	A few areas may be well studied, but large areas of spatial uncertainty remain. Detailed analyses of floral and faunal remains have	Many areas have been surveyed, producing a good understanding of where sites are located. Many sites have been well-studied with modern methods, yielding secure dates and analysis of

	been limited to several sites.	floral and faunal remains. There is broad consensus about such topics as mode of subsistence and the use of specific domesticates.

	Unknown	Moderate	Good
10,000 bp	○	○	○
8,000 bp	○	○	○
6,000 bp	○	○	○
4,000 bp	○	○	○
3,000 bp	○	○	○
2,000 bp	○	○	○
1,000 bp	○	○	○
1500 CE	○	○	○
1750 CE	○	○	○
1850 CE	○	○	○

Please estimate the number of published archaeological excavations in **region ${q://QID2/ChoiceGroup/SelectedChoices}**:

None	1-49	50-249	250-499	500-999	> 1000
○	○	○	○	○	○

The next questions will ask you to rate the levels of 4 land use types in the selected region at each timeslice. Please rate the level of presence of each land use type according to the following rubric:

None	Minimal	Common	Widespread
No evidence that any land in the region was used for	The selected land use type was present, but not significant, less than 1% of land in the region was used for	Between 1% and 20% of land in the region was used for the selected land use type.	Greater than 20% of land in the region was used for the selected land use type.

the selected land use type.	the selected land use type.		

Please completely answer every question. You are an expert, and we are seeking your expert opinion. We understand that the expertise of most archaeologists is more geographically and temporally limited than our regions and time slices replicate. We ask you to generalize to the best of your ability, the results will be presented as estimates, including their uncertainty.

Land use category descriptions:

Foraging/Hunting/Gathering/Fishing - Subsistence based on hunting wild animals, gathering wild plants, and fishing, without deliberately modifying the reproduction of plants and animals that people exploit.

Extensive Agriculture/Farming - Swidden/shifting cultivation and other forms of non-continuous cultivation.

Intensive Agriculture/Farming - All other forms of continuous cultivation, including: irrigated and nonirrigated annual cropping, tropical agroforestry, flooded field farming, and industrial monocrop/plantation agriculture.

Pastoralism - The exploitation of pasturelands for animal husbandry - including the breeding, care, and use of domesticated herd animals (sheep, goats, camels, cattle, horses, llamas, reindeer, and yaks).

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **10,000 bp (8000 BCE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Extensive agriculture/farming:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)

- ○ widespread (>20%)

Intensive agriculture/farming:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Pastoralism:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **8,000 bp (6000 BCE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Extensive agriculture/farming:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Intensive agriculture/farming:

- ○ none
- ○ minimal (<1%)
- ○ common (1-20%)
- ○ widespread (>20%)

Pastoralism:

- ○ none

- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **6,000 bp (4000 BCE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **4,000 bp (2000 BCE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **3,000 bp (1000 BCE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)

- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **2,000 bp (0 CE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none

- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **1,000 bp (1000 CE) timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **1500 CE timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **1750 CE timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)

- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please rate the levels of land use present in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for the **1850 CE timeslice** (mark all that apply):

Foraging/hunting/gathering/fishing:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Extensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Intensive agriculture/farming:

- none
- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Pastoralism:

- none

- minimal (<1%)
- common (1-20%)
- widespread (>20%)

Please indicate the presence or absence of high density urban center(s) in **region ${q://QID2/ChoiceGroup/SelectedChoices}** for each timeslice:

	Absent	Present
10,000 bp		
8,000 bp		
6,000 bp		
4,000 bp		
3,000 bp		
2,000 bp		
1,000 bp		
1500 CE		
1750 CE		
1850 CE		

Comments:

Are you willing to be contacted about further participation in the project?

- ○ Yes
- ○ No

Please select your preferred level of attribution for your participation:

- ○ I would like to be a co-author on the resulting Paper.
  You must complete at least 4 regions to qualify for co-authorship, and by becoming a co-author you pledge to complete as many regions as you feel qualified. Please see our <Google Doc> for more information.
- ○ I would not like to be a co-author, but I give permission for my name and affiliation to be published in a list of contributors.
  Names will not connected to data.
- ○ I would like to remain anonymous.
  Data contributed by anonymous sources will not be included in the analysis.

Please enter your mailing address:

Street	
City	
State	
Country	

Please enter your ORCID (Open Researcher and Contributor ID):

Thank you for completing the survey. Would you like to select another region to assess?

- ○ yes
- ○ no

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