

# Survey123 for ArcGIS – smarter forms, smarter fieldworks

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# Survey123 for ArcGIS – smarter forms, smarter field work

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Survey123 for ArcGIS is a simple and intuitive form-centric data gathering solution that enables you to perform quick – and smarter – field surveys by simply following these three easy steps:

## 1. Ask questions

Develop your survey using a spreadsheet. Use Survey123 Connect to upload the survey you have created to ArcGIS Online/Portal for ArcGIS.

## 2. Get the answers

Equip your survey team with Survey123 for ArcGIS mobile application to find the primary information on the field.

## 3. Make the best decision

Analyse the survey result with ArcGIS to support your decision-making.

## Features



### Mobile application

Available for smartphones, tablets and desktop. It is light, intuitive and can also be used offline.



### Smart surveys

Design surveys that speed the data collection process through predefined questions that use logic and provide easy-to-fill answers, embedded audio and images, and offer multiple languages. Survey123 for ArcGIS supports the [XLSForm](#) specification.



### Security

[Learn more about security in ArcGIS](#). We take it seriously, so you can focus on your own tasks. Alternatively, you can host Survey123 for ArcGIS on your own IT Infrastructure, with ArcGIS for Server, and take full control of it.

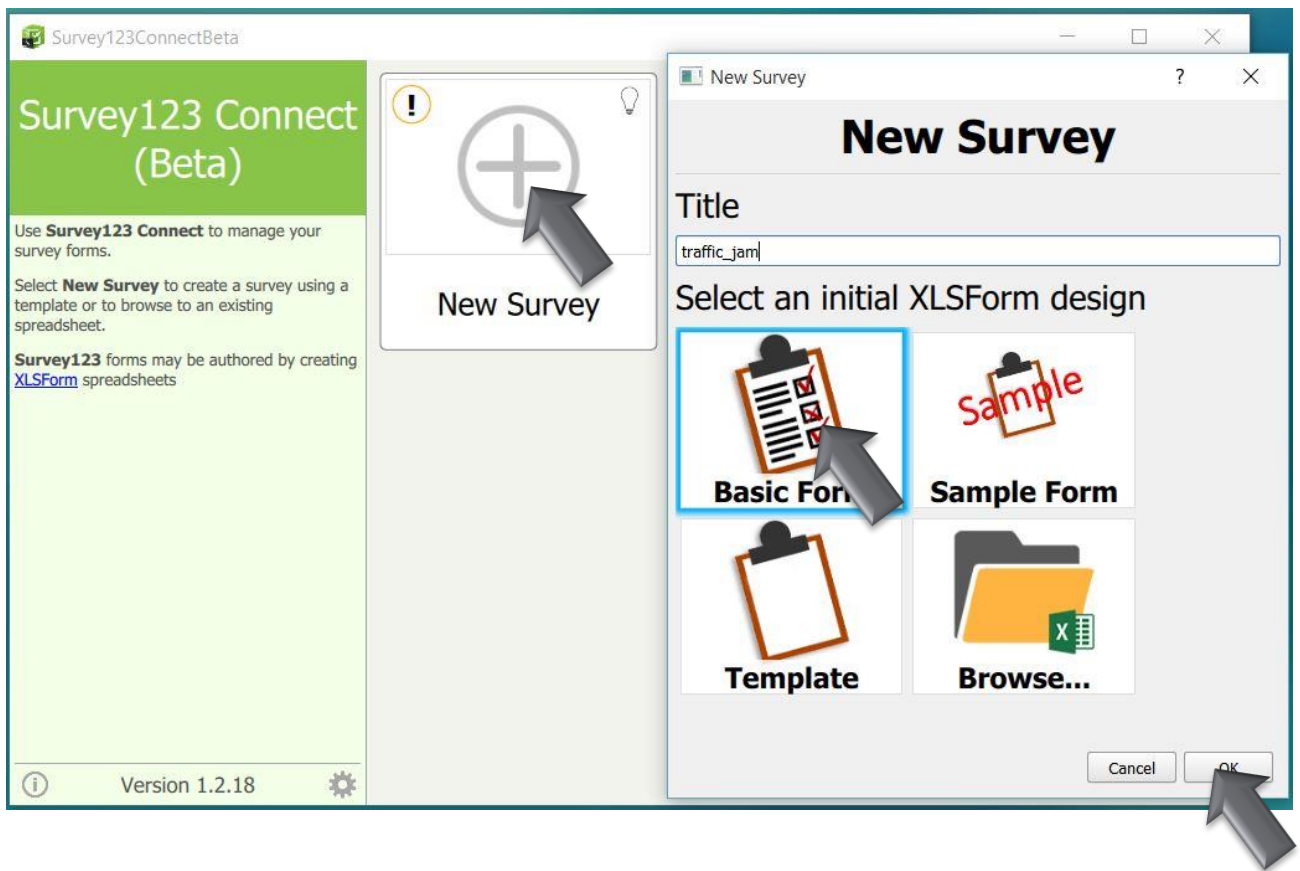


### Build into ArcGIS

Combine the power of smart forms and geography. Data captured in Survey123 for ArcGIS is immediately available to the ArcGIS platform. Use maps to visualise, analyse and share your field work

## Do a survey with Survey123 Connect: case study – traffic jam

1. Open Survey123 Connect (Beta).
2. Click 'new survey'.
3. Insert your survey title on title field (e.g. traffic\_jam).
4. Next choose 'basic form'.
5. Click 'OK'.
6. Microsoft Excel will open automatically because you will need an Excel document to create the survey form.



- Next, you need to include questions related to the survey you want to accomplish. The picture below shows a list of sample questions that might be useful when conducting a survey about traffic jams.

	A	B	C	D
1	type	name	label	hint
2	select_one gender	gender	Gender	
3	text	name	Name	
4	select_one vehicle	vehicle	Vehicle Category	
5	integer	speed	Speed (Km/H)	
6	date	date	Date	
7	time	time	Time	
8	text	comment	Your Comment	
9	geopoint	location	Location	Turn on your GPS!
10	image	photo	Photo	
11				
12				
13				


- At the first and third rows, the syntax used is 'select\_one gender' and 'select\_one vehicle'. 'Gender' and 'vehicle' on the syntax is the list found under the tab, 'choices'. Shown below is a list of gender and vehicles that have been entered into the spreadsheet found under the choices tab.

	A	B	C	D	E
1	list_name	name	label	image	
2					
3	gender	male	Male		
4	gender	female	Female		
5					
6	vehicle	motorcycle	Motorcycle		
7	vehicle	car	Car		
8	vehicle	others	Others		
9					
10					
11					
12					

- Once you are confident with the survey form that you have created, proceed to 'save' the Excel document (Ctrl + S).


10. The picture below is a result of preview form survey created in an Excel document. This display will also appear on your mobile devices.



11. Next, you have to sign in order to publish the survey form. You need publisher credentials. You can publish Survey123 for ArcGIS using ArcGIS Online or Portal for ArcGIS. Click on the sign in  button on the left.

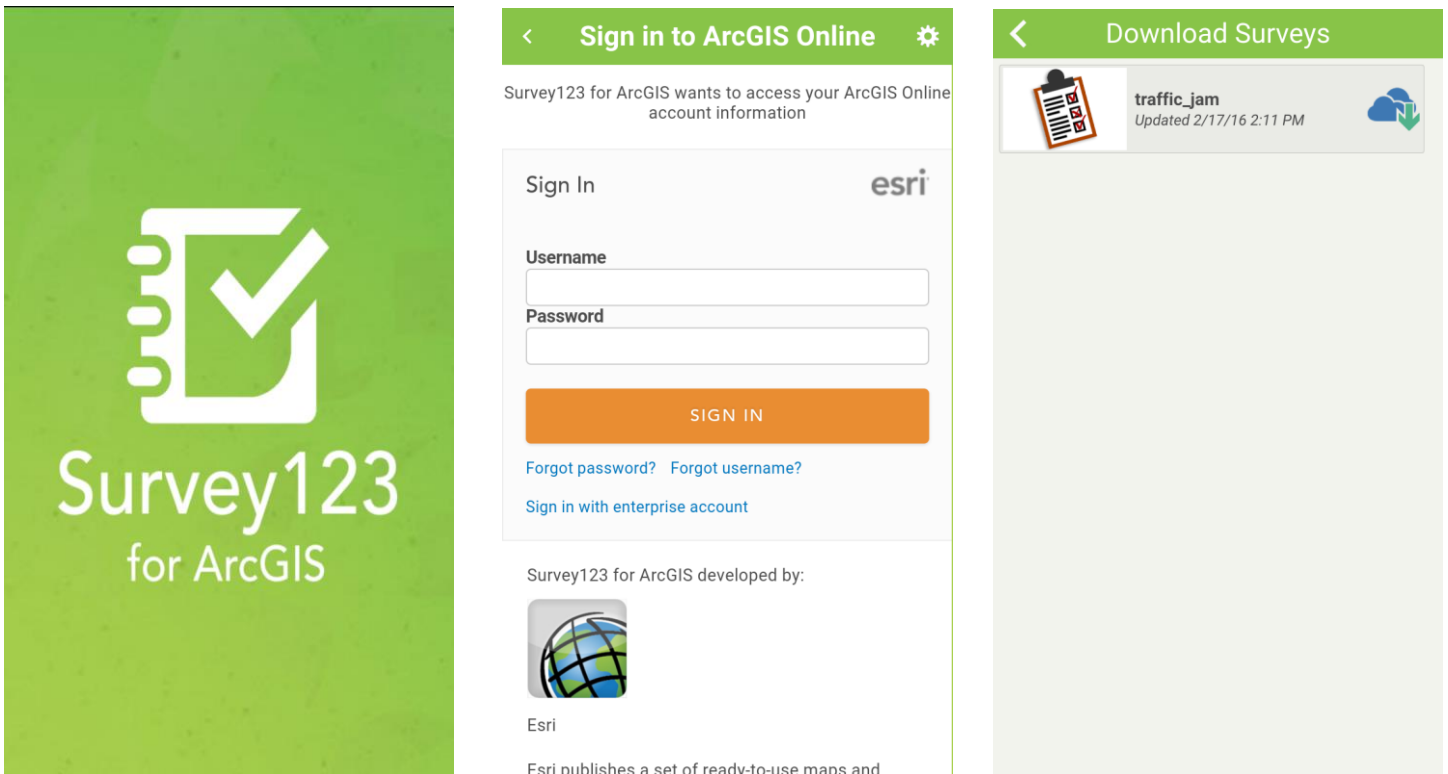
12. If you want to publish it to Portal for ArcGIS, you must click the ‘option’ button, click your Portal for ArcGIS URL, and click ‘add portal’.



13. After signing in, click the ‘publish’  button to upload the survey form. Your published survey form will then become a feature service, which allows you or other people to edit the attributes or the geometry inside the service.

14. Feel free to create a web map by clicking on ‘create a web map’ using the feature service that is published.

15. The next step is to download the Survey123 for ArcGIS, via either the Google Play store, Apple App Store or Windows Store on your mobile device, then sign in using your ArcGIS Online credentials or Portal for ArcGIS.




16. Download the survey form created.

17. Now you can go to the survey location and start your survey task.

18. Activate GPS on your device to ensure a more accurate survey location point.

19. You can change the base map according to your need.

20. Once you've completed the survey form, click the 'submit'  button.

21. Click 'send now'.

22. You can check the survey result via the web map created.

23. You can also view the survey summary submitted on the sent menu.

**Traffic Jam Survey**

Gender  
 Male  
 Female

Name

Vehicle Category  
 Motorcycle  
 Car  
 Others

Speed (Km/H)

Date

Time

**Traffic Jam Survey**

Date

Time

Your Comment

Location  
*Turn on your GPS!*

Lat 6°17'S Lon 106°49'E ± 47.874 m

Photo

**Map Types**


- World Street Map
- World Imagery
- World Topography
- USA Topo Maps
- Light Gray Canvas
- OpenStreetMap
- OpenStreetMap Humanitarian

**Traffic Jam Survey**

Date

Time

Your Comment




**Survey Completed**

Your device is **online**

Would you like to send the survey now?

Photo


**traffic\_jam**



**Collect**  
 Start collecting data

**Sent**  
 Review sent survey data

**Sent traffic\_jam**

 **Mashadi**  
 2/17/16 2:19 PM