ArcGIS Online & Data Collection Workshop

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GIS in the Curriculum

- GIS is a key skill for our young geographers:

"interpret a range of sources of geographical information, including maps, diagrams, globes, aerial photographs and Geographical Information Systems (GIS)"

*"use Geographical Information Systems (GIS) to view, **analyse** and interpret places and data"*

Key Stage 3

*"**geo-spatial data** presented in a geographical information system **(GIS)** framework"*

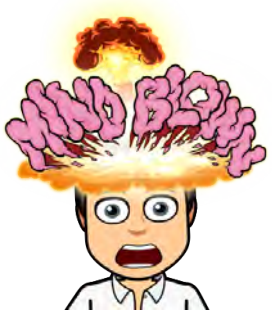
*"**satellite imagery**"*

*"written and **digital** sources"*

AQA 'Skills'

Challenges…

"I don't have the time to develop new skills"

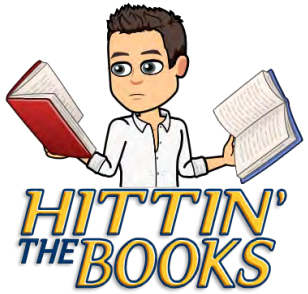


"I don't know enough about GIS to include it"

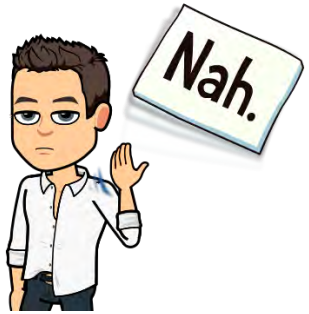
"I can't mark GIS work"

"I don't know who can help"

"I don't want to change"



"I need all the time for content"

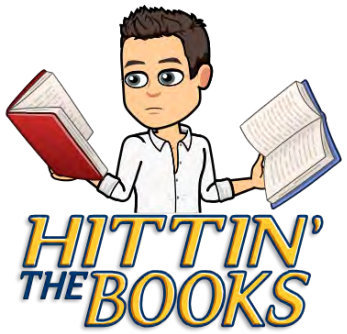


"Its just too complex"

"We have coped without it so far…"

"I'm retiring soon anyway"

GIS Undercover



"I need all the time for content"

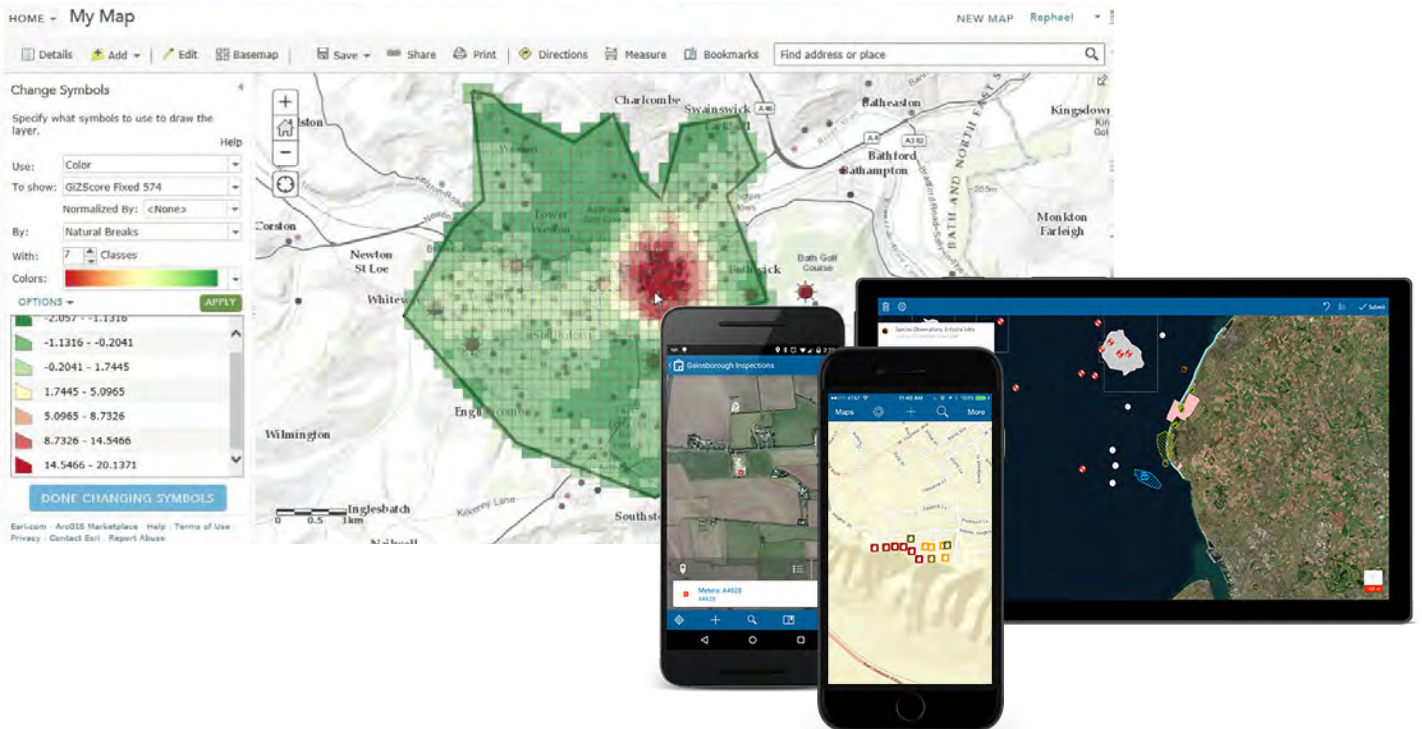
- Don't try and teach GIS – you don't have the time or space in the curriculum
- GIS undercover…. Students can experience content through GIS
- Look for fun applications to enhance your lessons

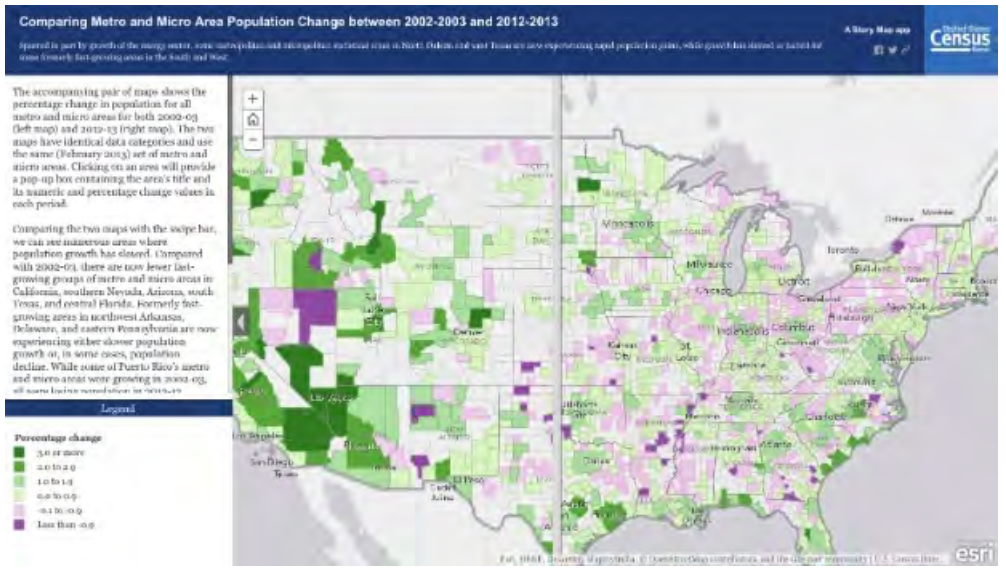
A Brave New World of GIS

ArcGIS Pro

ArcGIS Online – Schools Programme

- ArcGIS Online platform for UK Secondary schools is now FREE!
- Includes Web Maps/Apps, ArcCollector, Story Maps, etc.
- Full support from Esri UK





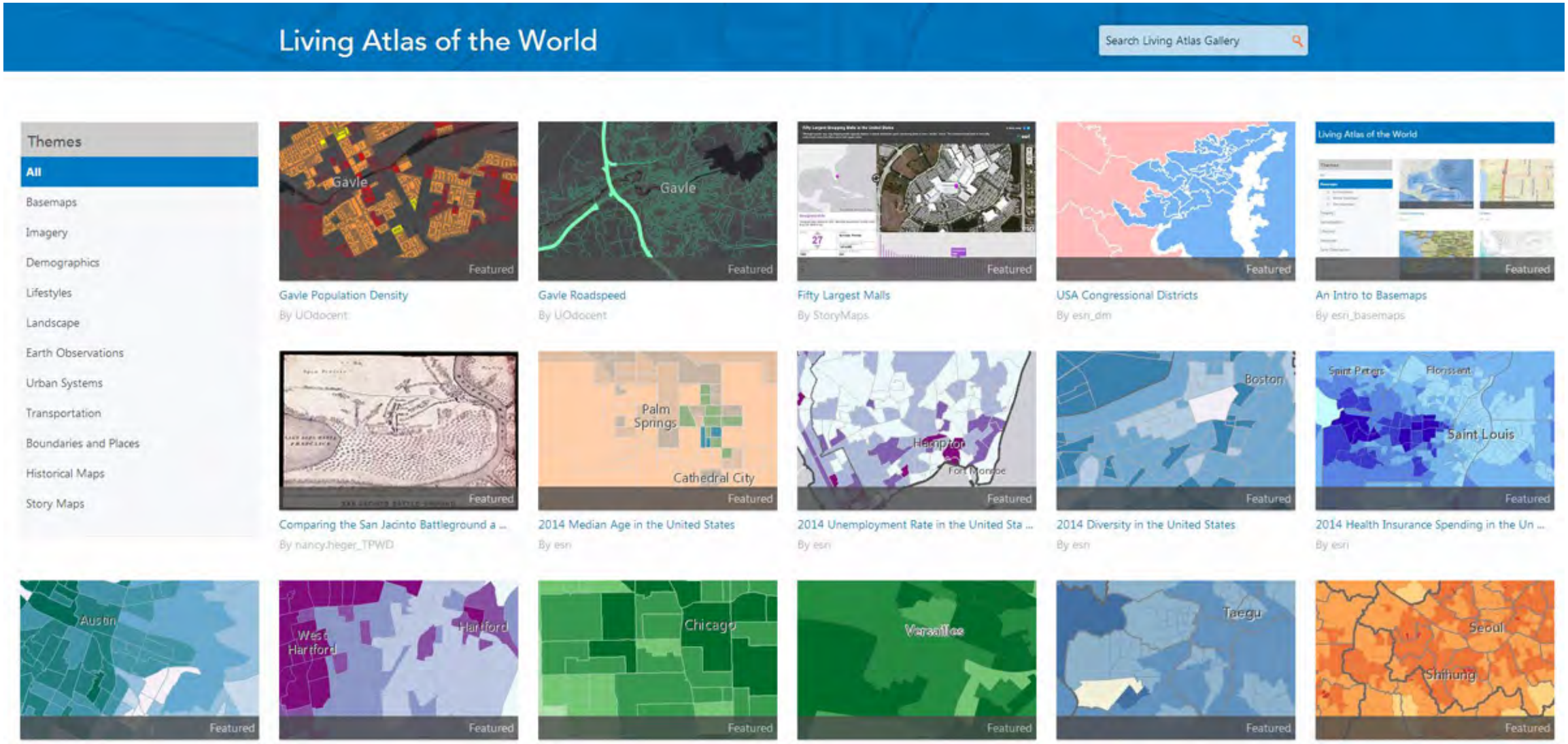
ArcGIS Online – Schools Programme

Almost….

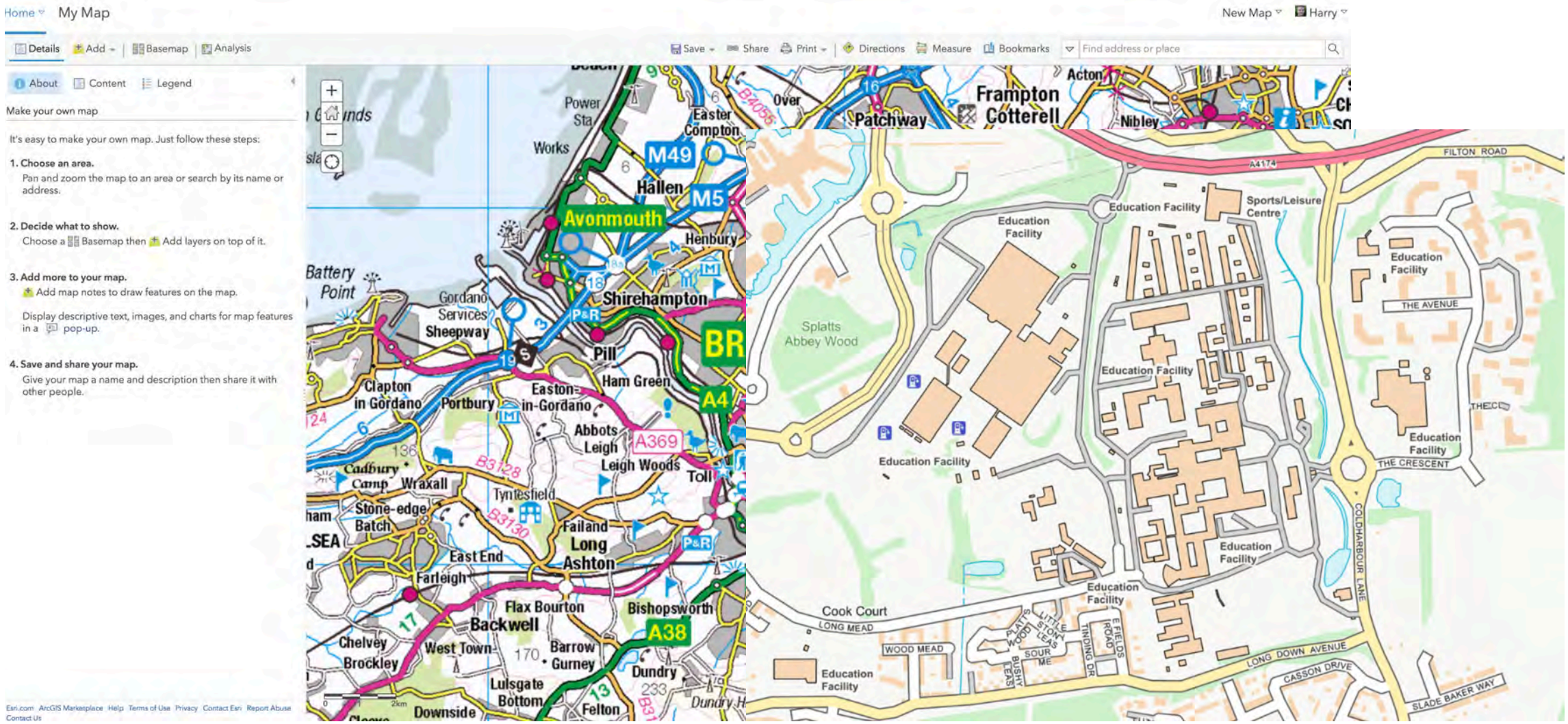
100,000

Individual student and teacher accounts signed up to ArcGIS Online in the UK

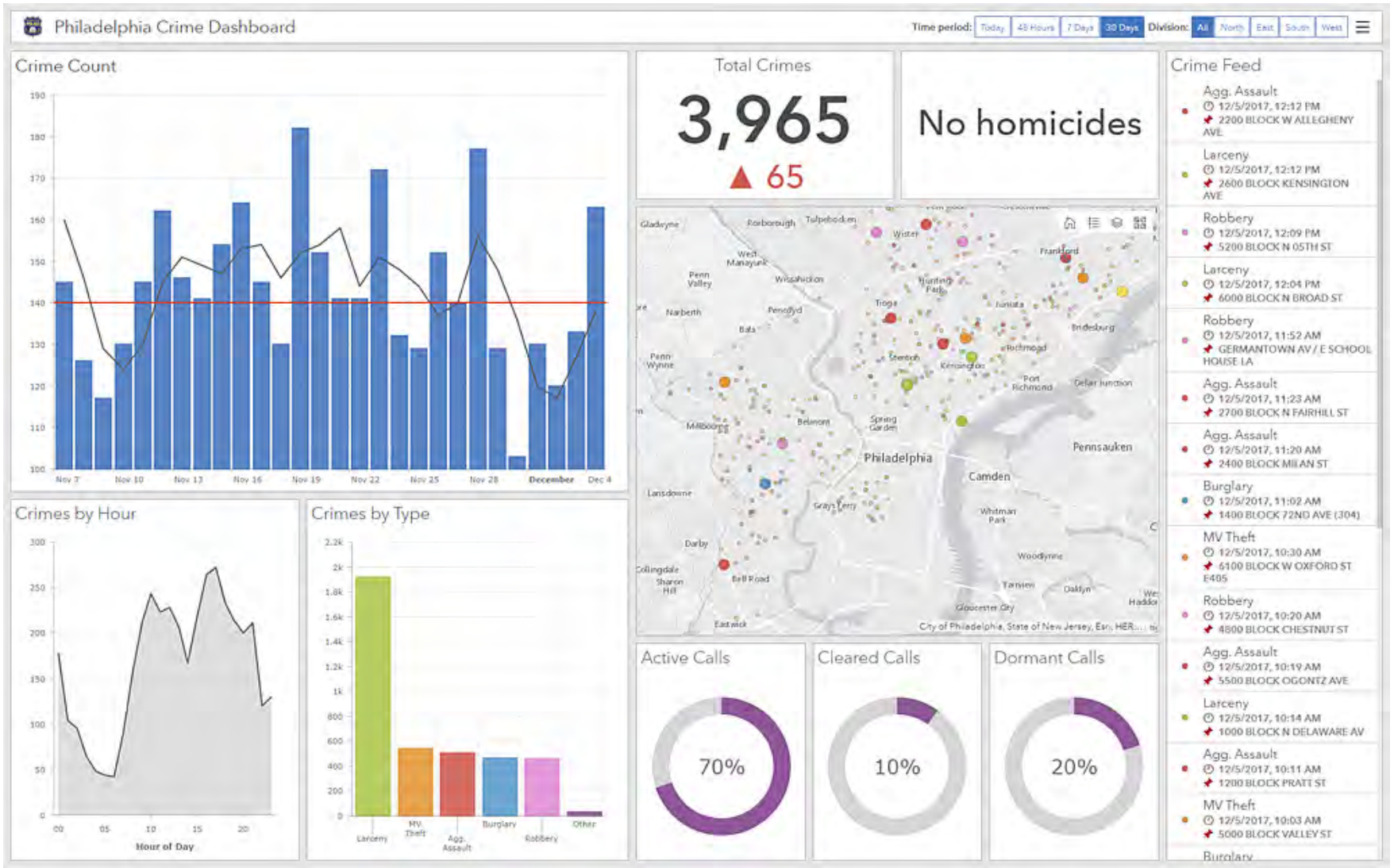
AGOL - The Living Atlas



AGOL – OS Maps

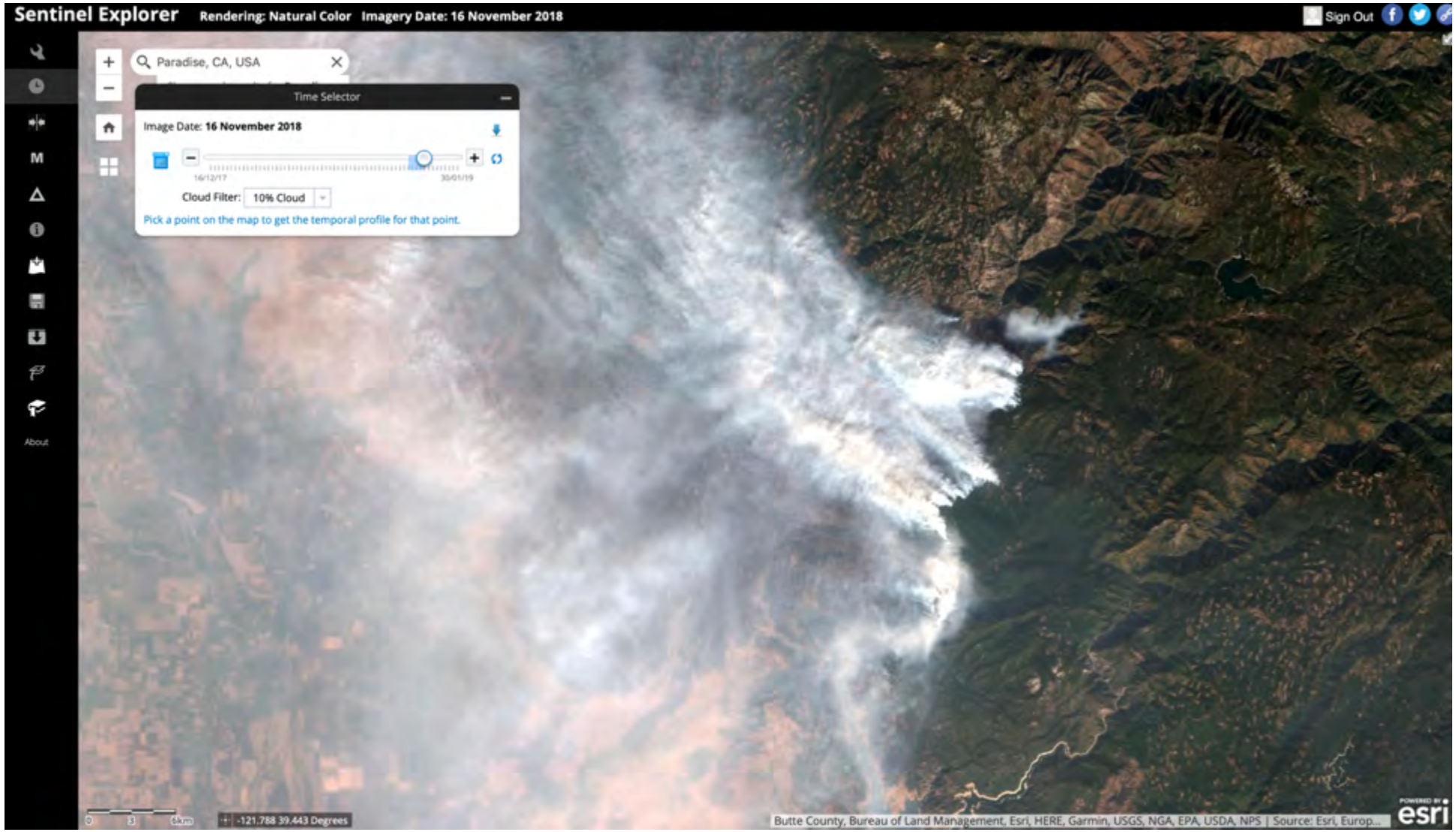

Home
My Map
New Map
Harry
Details
Add
Basemap
Analysis
Save
Share
Print
Directions
Measure
Bookmarks
Find address or place
About
Content
Legend
Make your own map
It's easy to make your own map. Just follow these steps:
1. Choose an area.
Pan and zoom the map to an area or search by its name or address.
2. Decide what to show.
Choose a Basemap then Add layers on top of it.
3. Add more to your map.
Add map notes to draw features on the map.
Display descriptive text, images, and charts for map features in a pop-up.
4. Save and share your map.
Give your map a name and description then share it with other people.
Esri.com ArcGIS Marketplace Help Terms of Use Privacy Contact Esri Report Abuse
Contact Us
Frampton Cotterell
Patchway
Nibley
Acton
Avonmouth
Shirehampton
Pill
Henbury
Hallen
Easter Compton
Power Sta
Works
Battery Point
Gordano Services
Sheepway
Clapton in Gordano
Portbury
Easton-in-Gordano
Ham Green
Abbots Leigh
Leigh Woods
Cadbury Camp
Wraxall
Tyntesfield
Stone-edge Batch
Failand
Long Ashton
East End
Farleigh
Flax Bourton
Backwell
Bishopsworth
Chelvey
Brockley
West Town
Barrow Gurney
Dundry
Lulsgate Bottom
Felton
Downside
M49
M5
A4
A369
A38
BR
P&R
B3128
B3130
B4055
A4174
FILTON ROAD
Education Facility
Sports/Leisure Centre
Splatts Abbey Wood
THE AVENUE
THE CRESCENT
COLDHARBOUR LANE
Cook Court
LONG MEAD
WOOD MEAD
LONG DOWN AVENUE
GASSON DRIVE
SLADE BAKER WAY
TINDING DR
F FIELDS ROAD

AGOL - Dashboards



AGOL – Story Maps

Online Apps



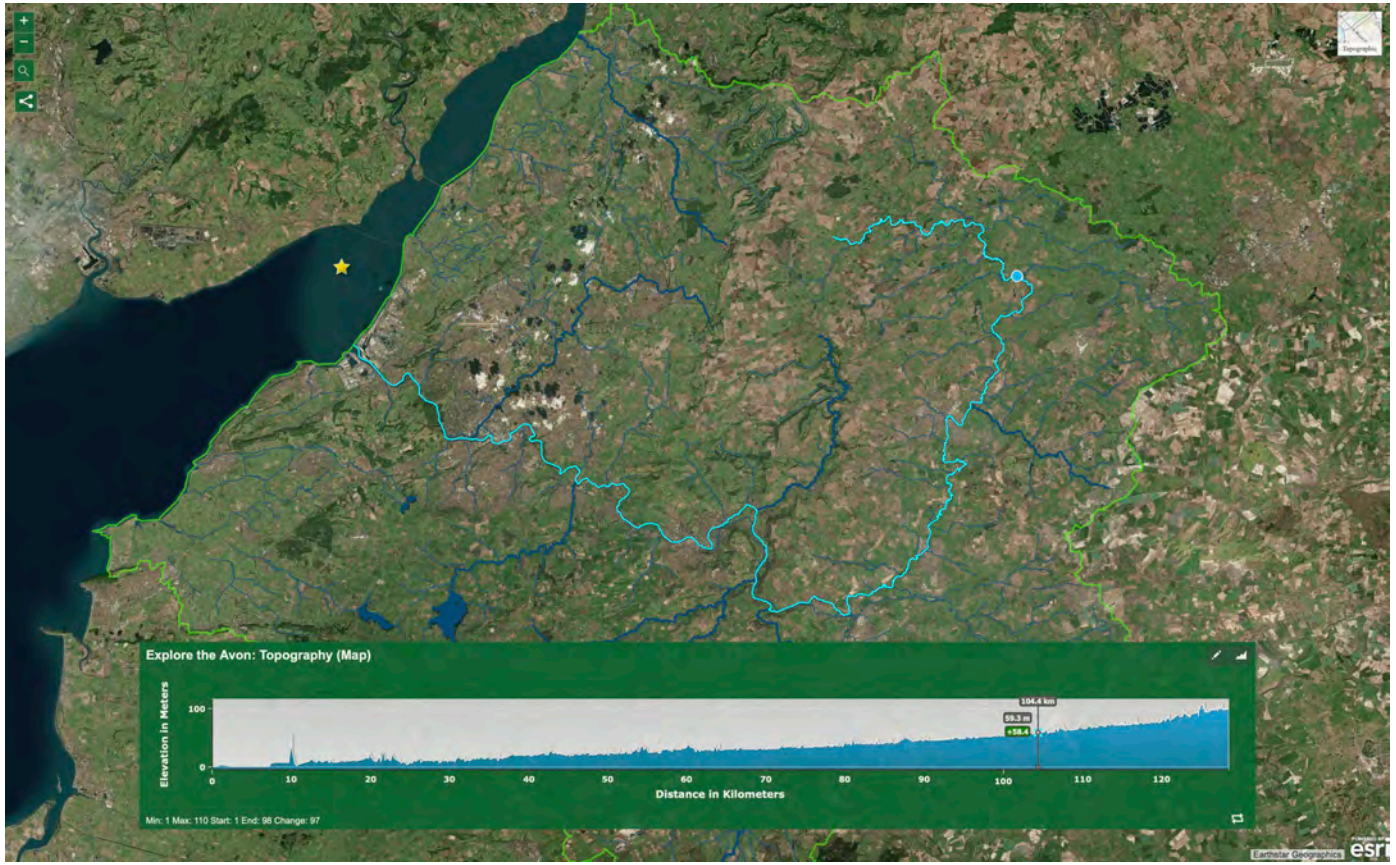
Esri Sentinel-2 Data Explorer

Paradise Fire 2018

Online Apps

The Rivers Trust

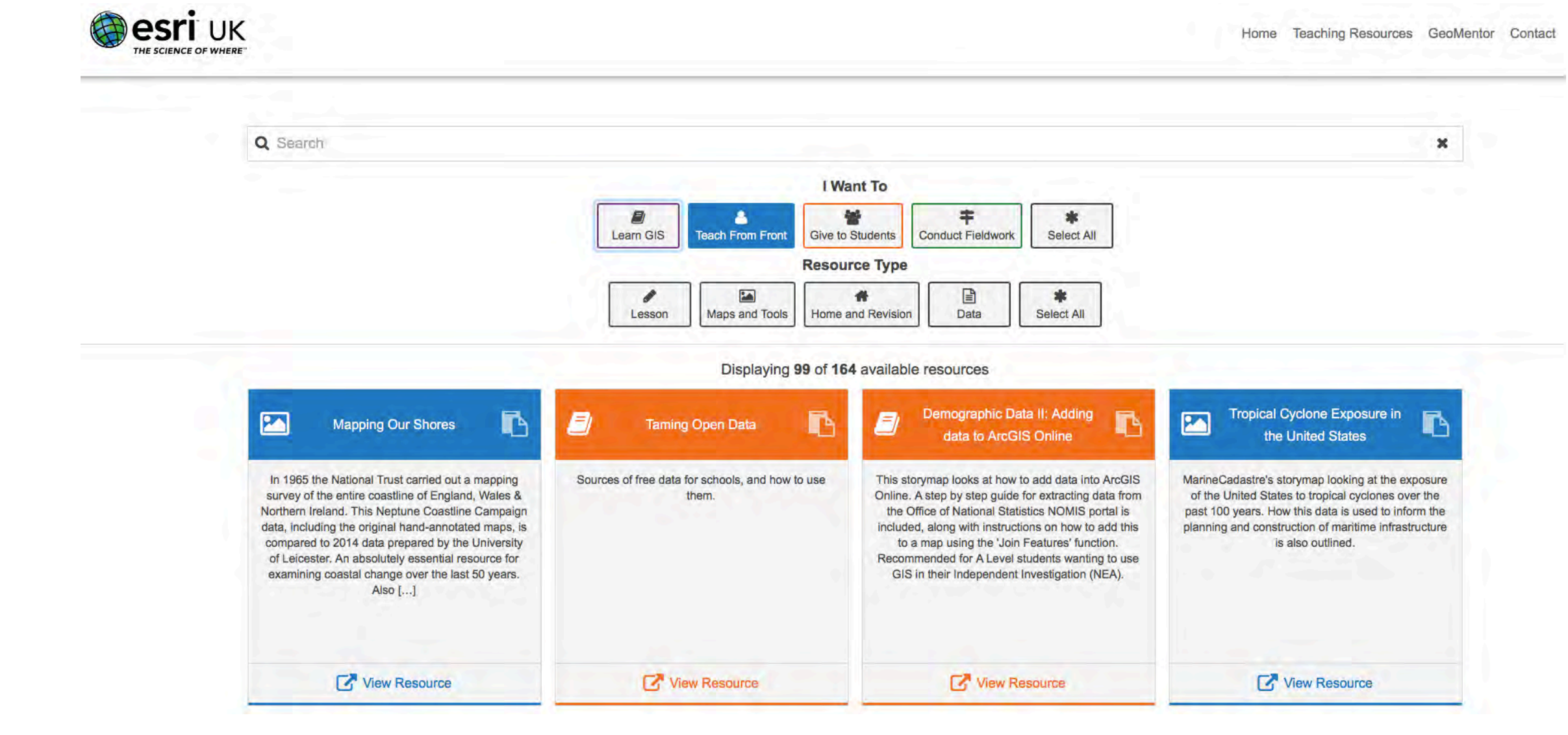
BART
Bristol Avon Rivers Trust



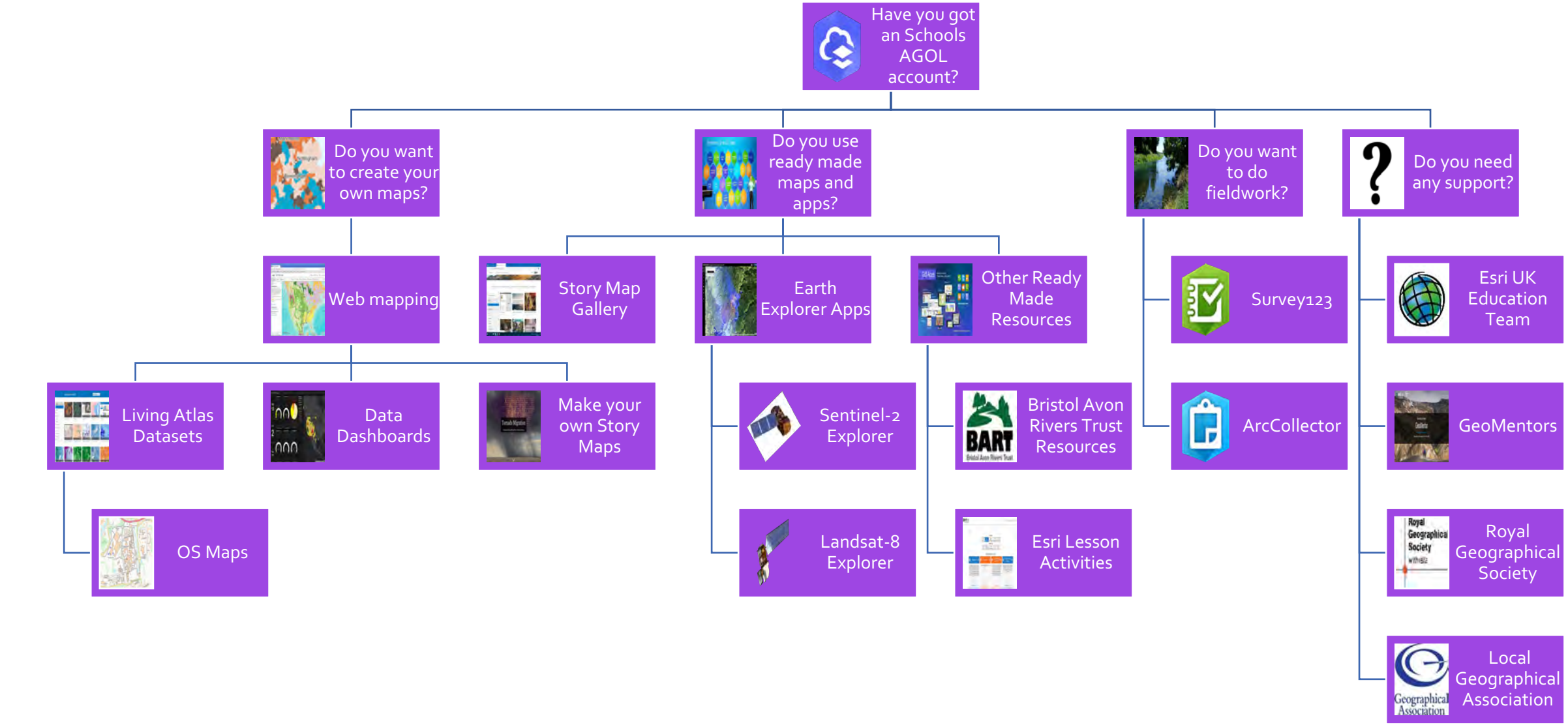
- https://edenriverstrust.org.uk/secondary-schools/

- https://arcg.is/0Hee19

AGOL - Free Lesson Activities

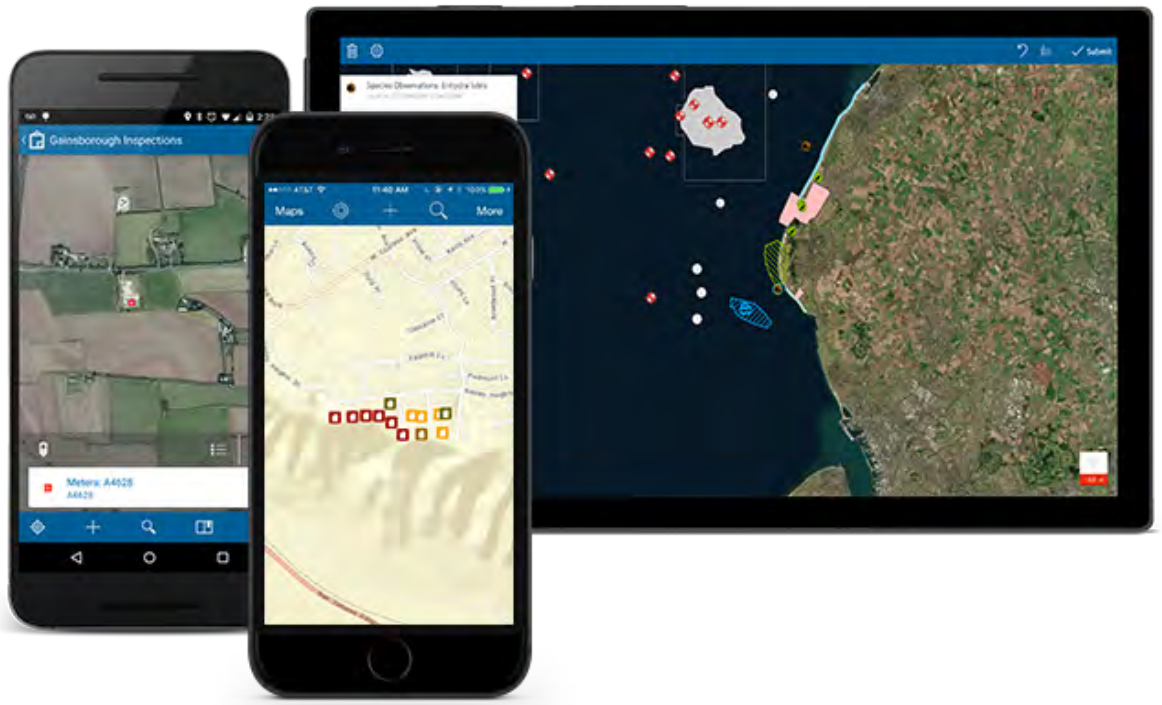


Bringing it Together…



AGOL – Fieldwork Apps

ArcCollector



Survey123

Survey123 Workshop

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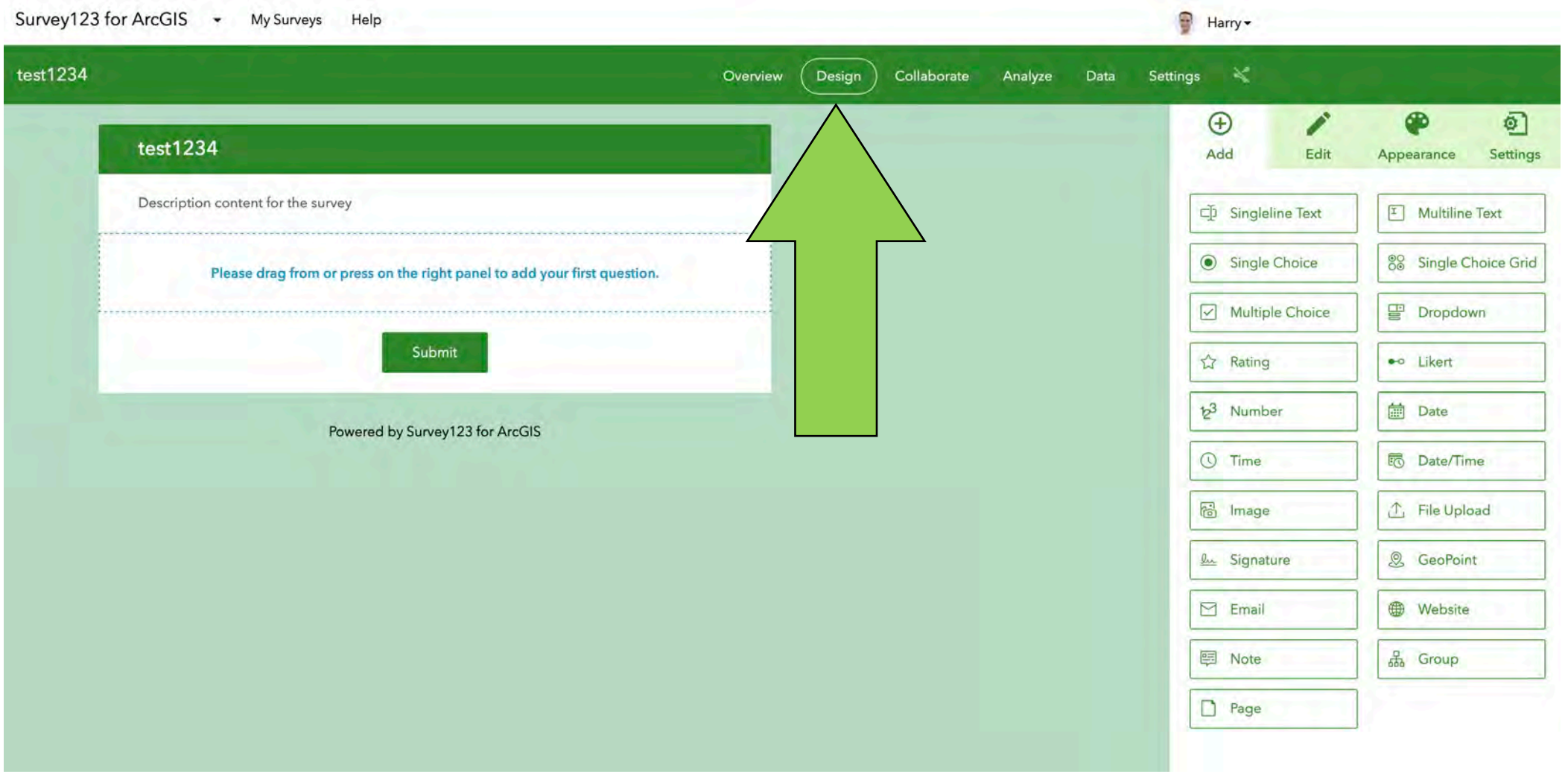
What is Survey123?

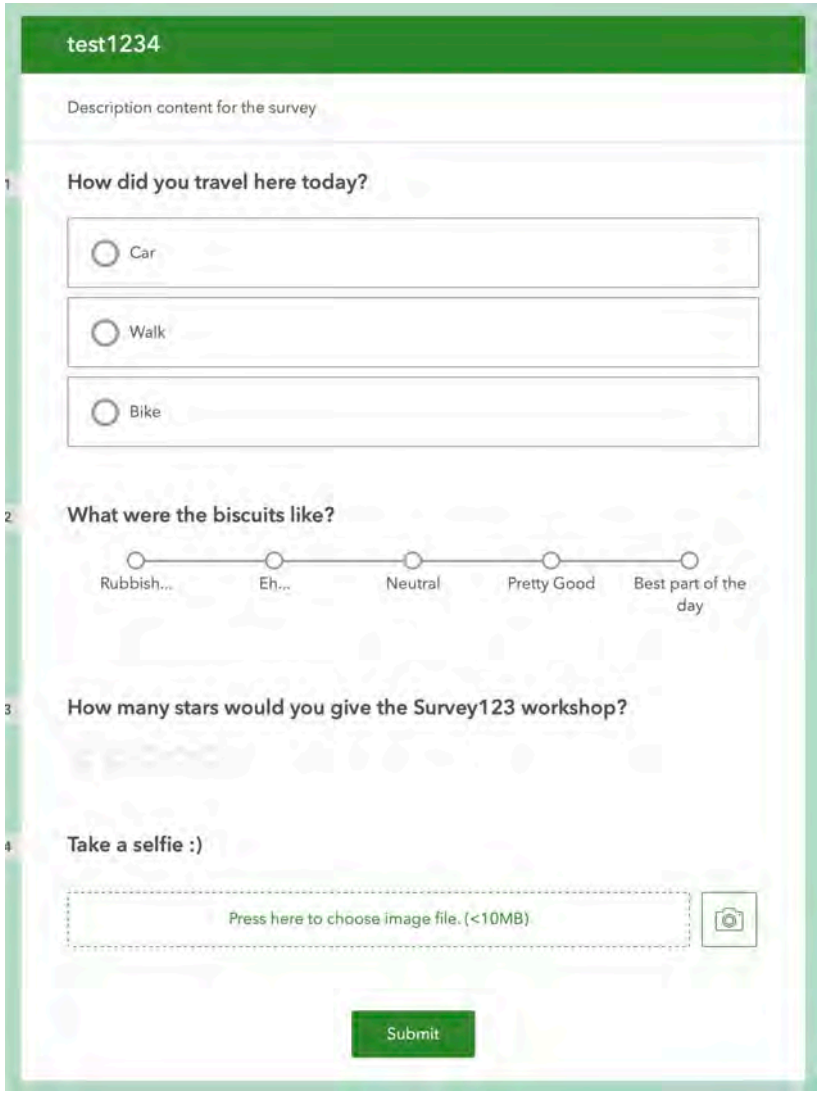
- Survey123 is a powerful data collection app part of the ArcGIS Online suite of products.

- Its not only for "surveys". It can be used for any data collection activity:
  - River measurements
  - Population questionnaires
  - Photo collecting
  - Ecology surveys
  - Traffic counts
  - Etc…

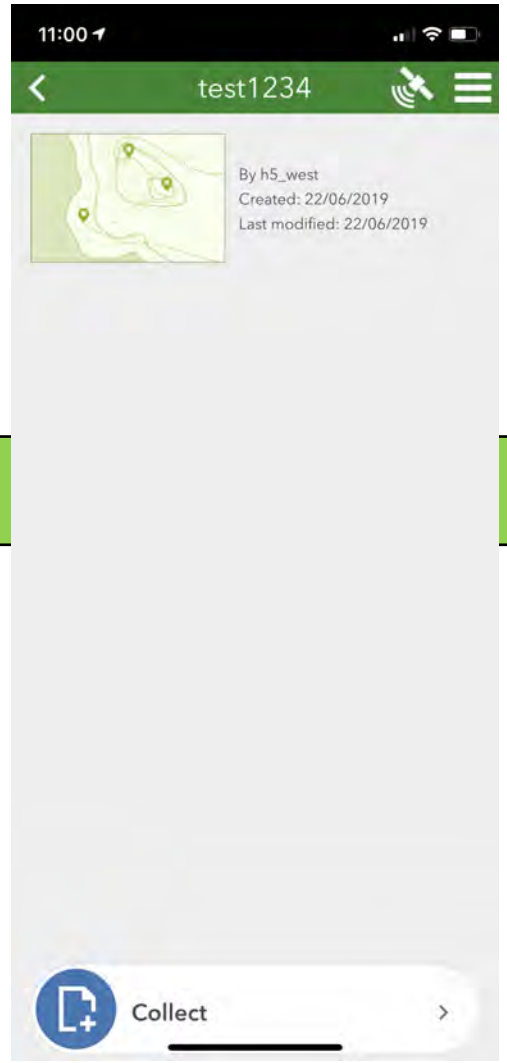
Designing a Survey

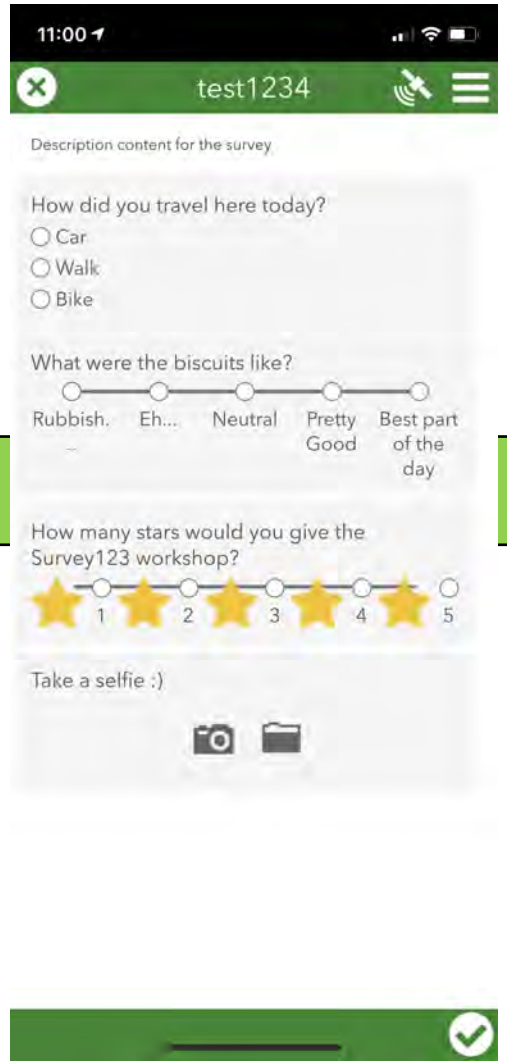


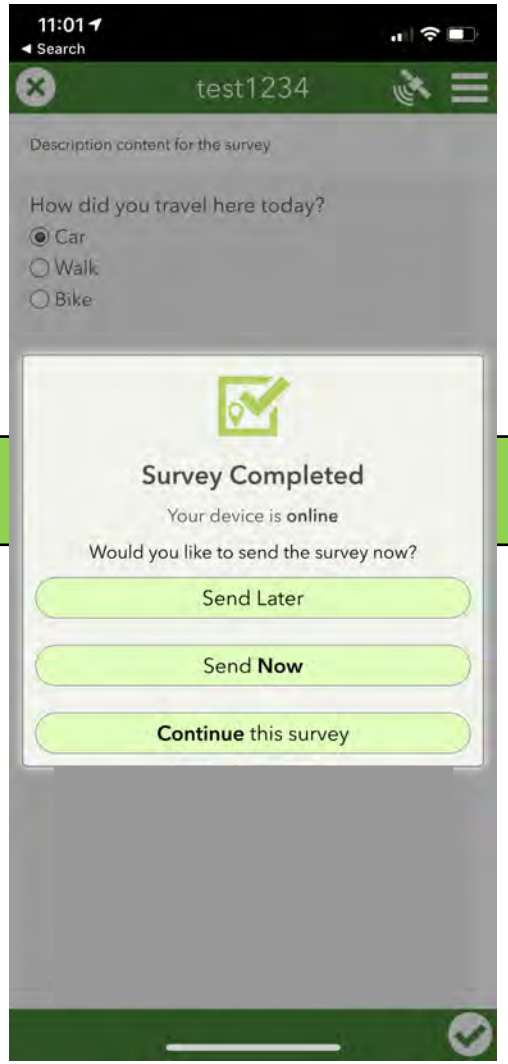
Designing a Survey



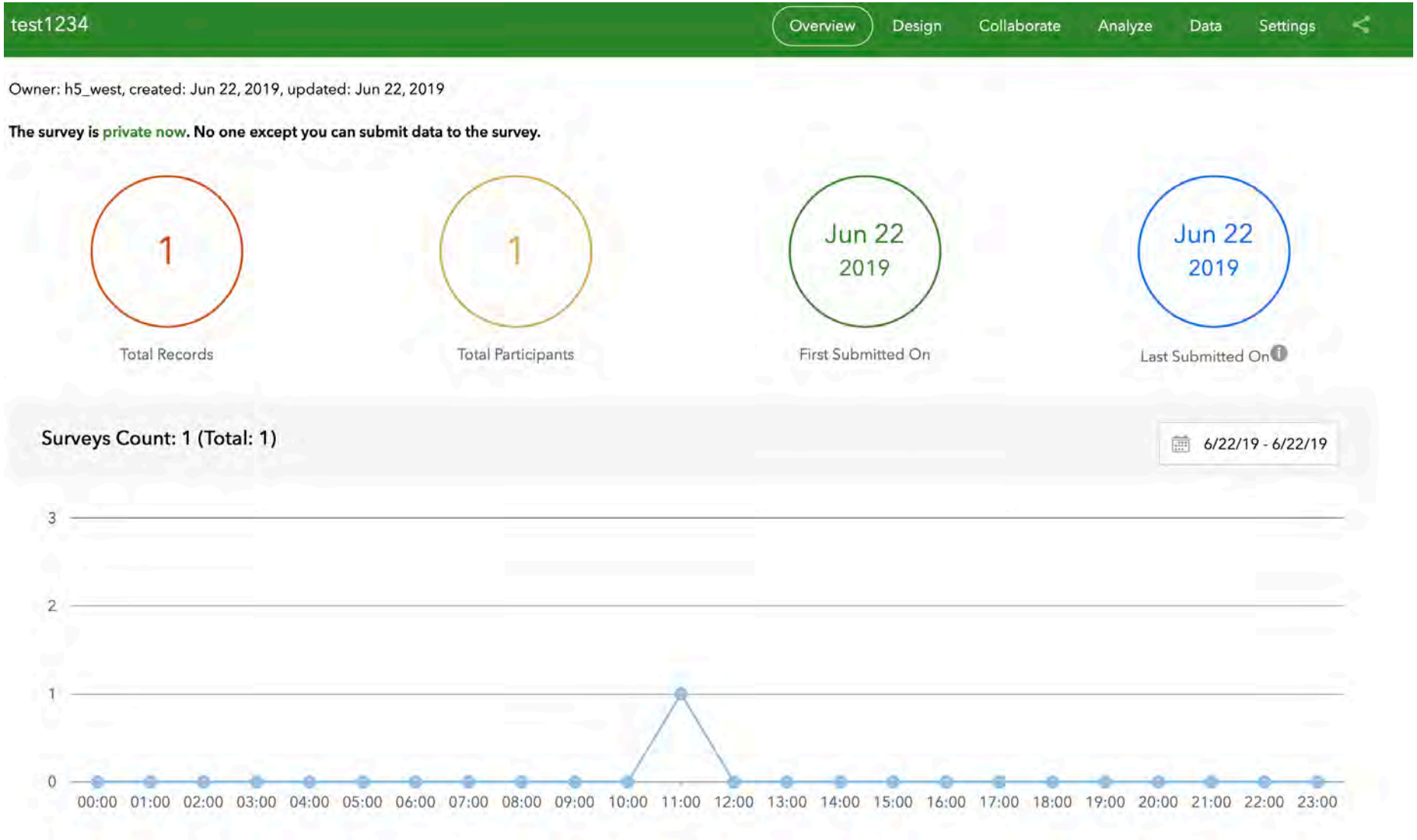
Collecting Data



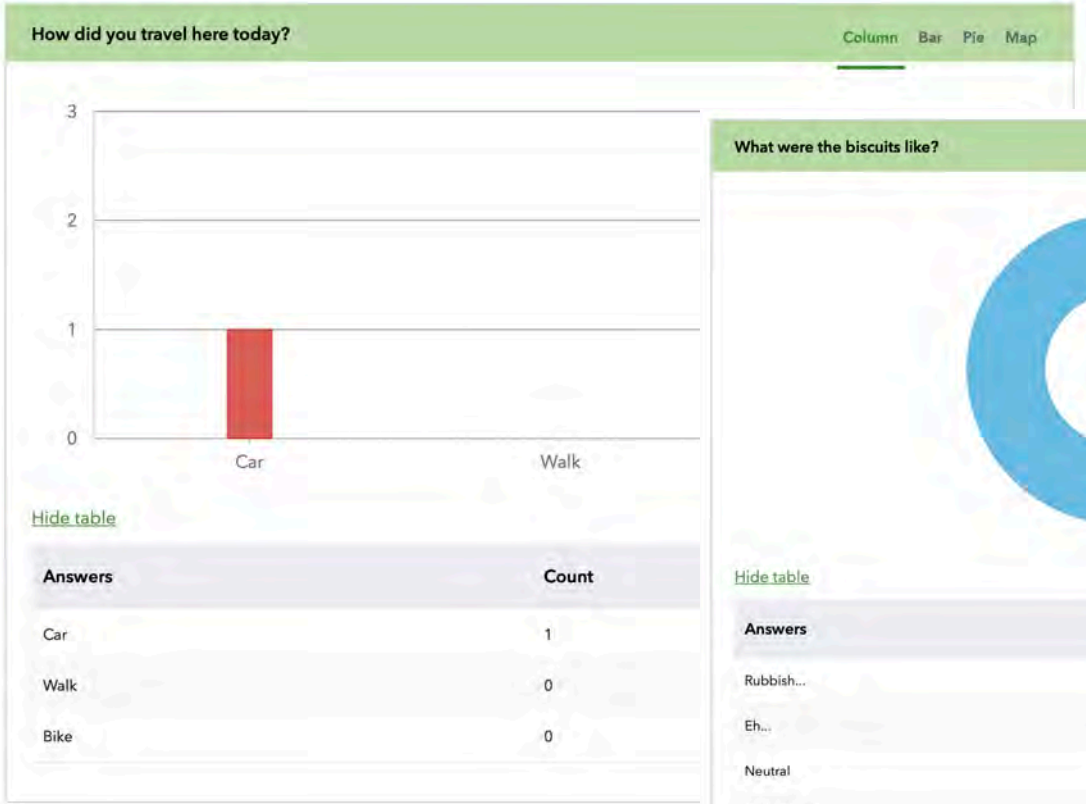


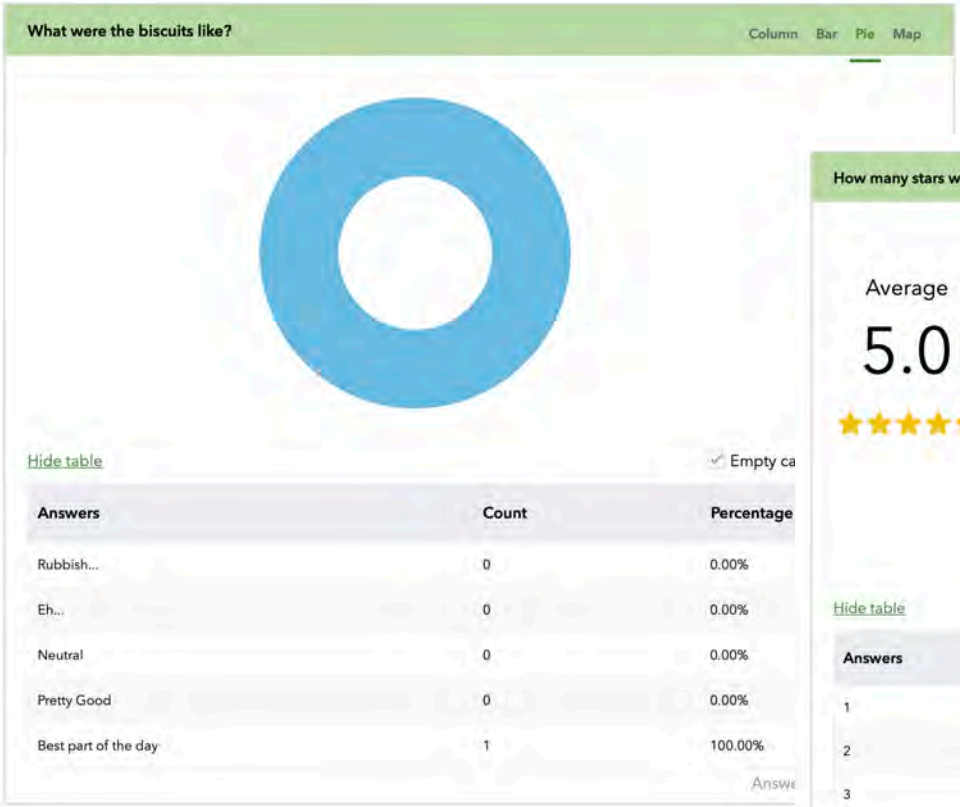


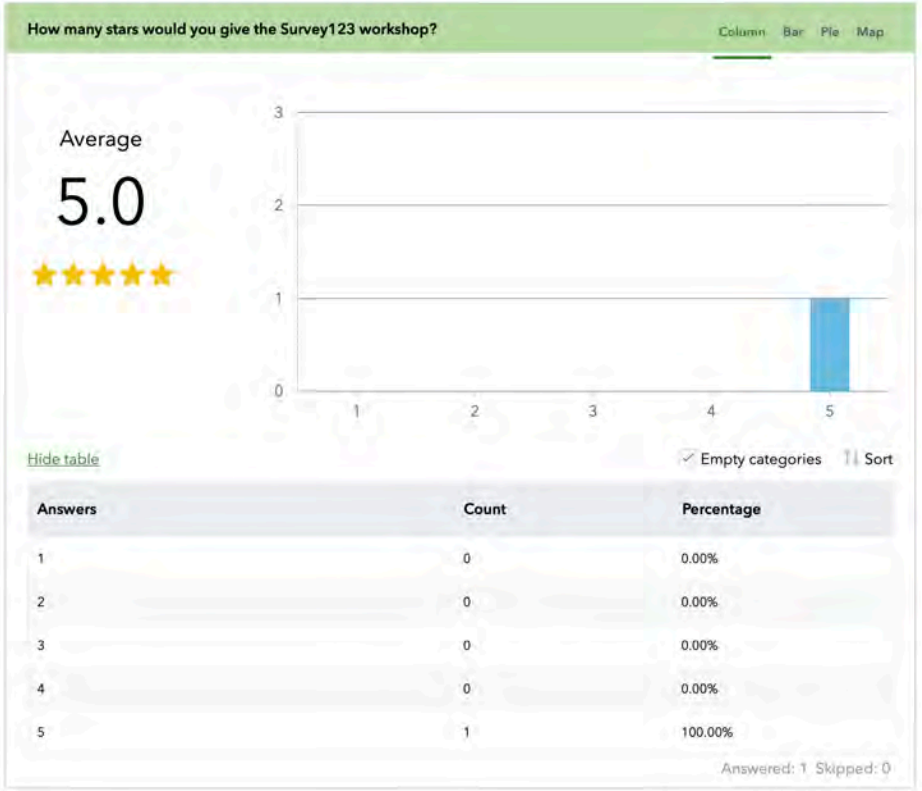
Data Analysis



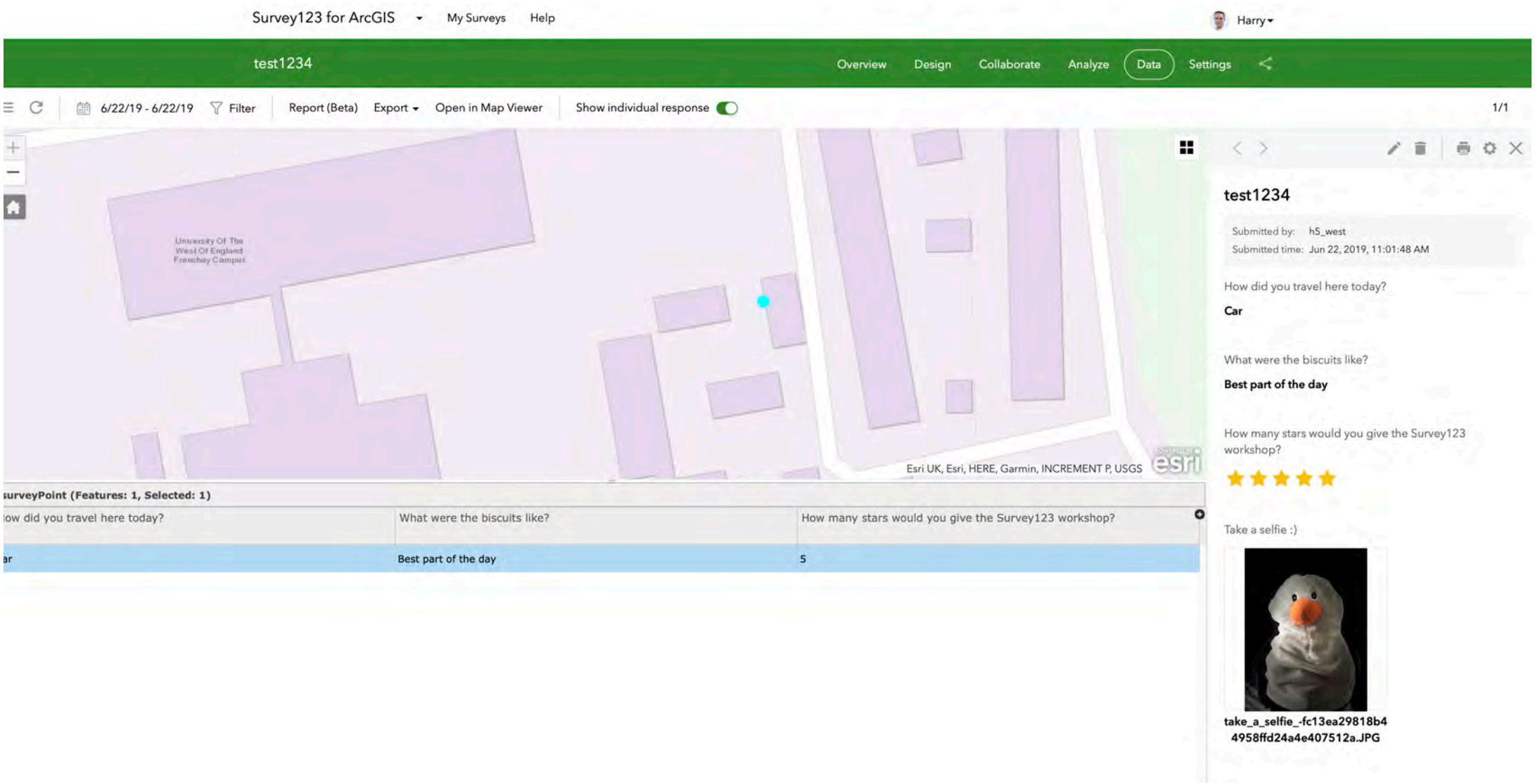
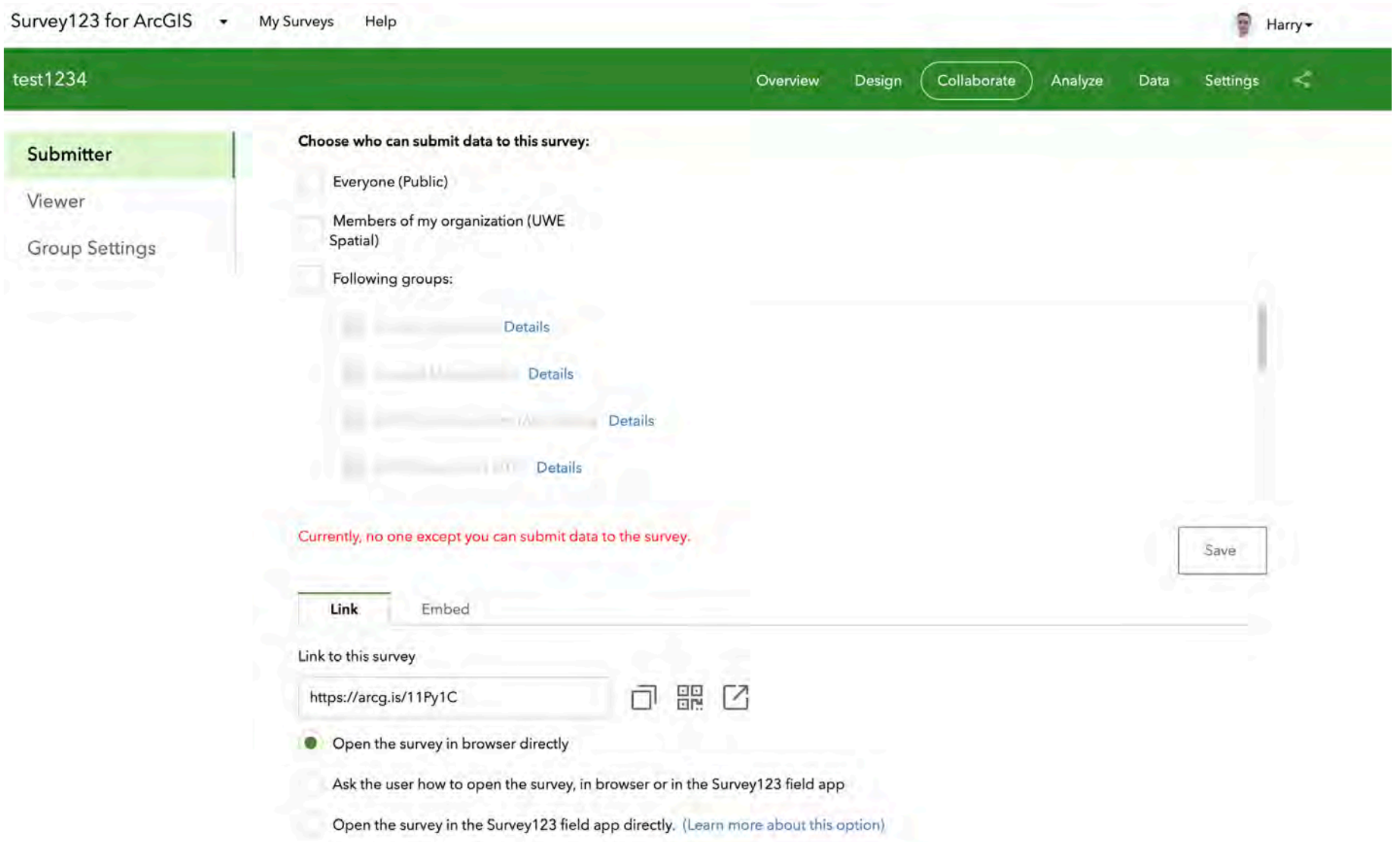
Data Analysis – Chart View







Data Analysis – Map View



Collaborating