



## RT Technical Support Webinar 1. ArcGIS Online and Story Maps

This webinar is aimed at rivers trusts and CaBA partnerships who may be thinking about implementing ArcGIS Online for sharing catchment plans and story maps with stakeholders. We will structure the demo around some key questions, but please feel free to contact us if you have specific questions [michelle@theriverstrust.org](mailto:michelle@theriverstrust.org) [lucy@theriverstrust.org](mailto:lucy@theriverstrust.org)

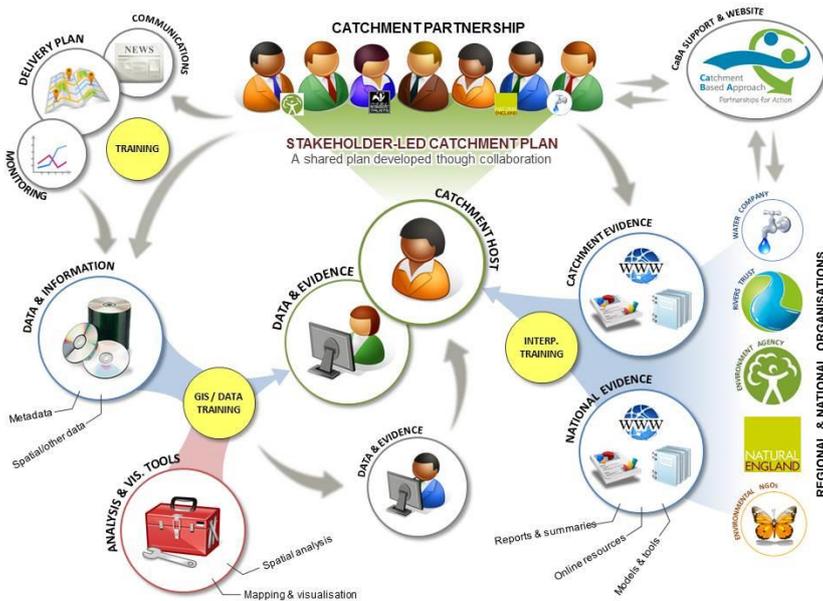
1. What is ArcGIS Online and why are rivers trusts and CaBA partnerships using it?
2. How can I get it, what does it cost and what skills do I need?
3. What resources are available to help me get the most out of the technology?
4. What would be our next steps?

We intend to follow this introductory webinar up with some more technical sessions to help you set up your account and begin publishing online maps and story maps. A recording of the webinar and the accompanying slides are now available at [bit.ly/CaBAtraining](http://bit.ly/CaBAtraining)

### 1. What is ArcGIS Online and why are rivers trusts and CaBA partnerships using it?

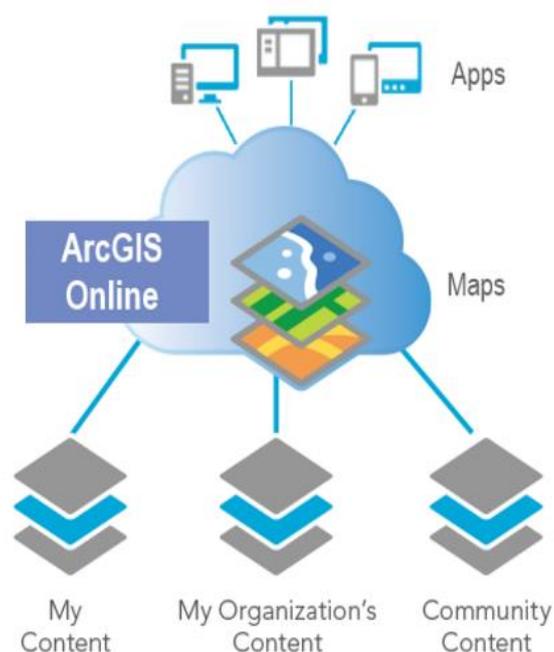
[ArcGIS Online](#) is an online, collaborative web mapping platform that allows you to use, create, and share data, maps and apps. You can publish your own spatial data and combine this with data which others have published to make visually striking maps. You can then publish this using one of a number of 'story map' templates. These templates make it very quick and easy to publish narrative, images, maps and web content in to an interactive web application. Learn more about Story Maps [HERE](#).

### Collaboration through evidence sharing



Data and evidence underpins collaborative catchment management. It helps partners communicate, agree priorities, target action and monitor outcomes. Sharing this evidence base between partners and stakeholders helps build confidence in the catchment plan.

Sharing maps and data online used to be difficult and expensive, but a combination of Open Defra data and ArcGIS Online being offered free to charities with an ArcGIS Desktop license has opened up many more possibilities for online mapping and data sharing.



### 3. Apps

These are the end user interface and contain buttons and widgets to allow the user to control and interactively explore the map content. They can contain additional information such as text, images, logos, videos etc. Apps can also be nested within other apps to increase the functionality available. To view an example app for the Dove Catchment Portal click [HERE](#) (in this example each tab in the overall Map Series App contains a Map Journal App).

### 2. Maps

Datasets and layers are overlain together on top of a basemap in an ArcGIS Online Map. This is where the symbology and appearance of the map is controlled. To view an example map showing issues in the Dove Catchment which is then incorporated into the app above click [HERE](#).

### 1. Datasets and Layers

These are hosted in various places, many are national CaBA layers, which are hosted by The Rivers Trust, some are government datasets published by Defra and its agencies, and others are local layers published by your own organisation and hosted on your own ArcGIS Online account. To view the national CaBA datasets hosted by The Rivers Trust click [HERE](#).

Rivers trusts and CaBA partnerships use ArcGIS Online story maps for many purposes, including to:

- publish their catchment plans
- share information about planned projects and gather project ideas from partners
- communicate to their stakeholders and local communities about their priorities
- engage a broad audience in water management issues
- join up datasets and help locate information
- coordinate activity across river basin districts
- make decision support tools and model outputs more accessible
- crowdsource information from the public
- undertake surveys by trained staff
- educate and engage schools in ecology and geography of their local river catchments

There are many examples of **story maps and apps** on The Rivers Trust's mapping portal: <http://theriverstrust.maps.arcgis.com>

## 2. How can I get ArcGIS Online, what does it cost and what skills do I need?

Anyone can view maps and apps which are published in ArcGIS Online, but if you want to create and publish your own maps then you will need an AGOL organisational subscription. For charities this is available free of charge if you have an ArcGIS Desktop non-profit license. The AGD non-profit license costs £102+VAT per year and you need to register with ESRI to apply for this. Some organisations already have GIS software such as MapInfo or QGIS, but it may still be worth buying one AGD license so that you can avail of AGOL for easy publishing of web maps.

- For more information on the ESRI non-profit scheme including how to apply click [HERE](#).
- If you already have a non-profit license our post on the [CaBA Forum](#) for more information on how to activate your AGOL Organisational subscription.

In order to get the most out of AGOL you will need a GIS specialist who can help to publish your own data and combine existing data in to engaging maps and apps.

The Rivers Trust have a growing team of AGOL specialists among the rivers trust network who can work with you to either develop story maps for and/ or train your own staff to do this. Generally if you need RT help to produce the story maps then we need to find a way to cover the staff time – if we are just acting as a helpdesk and you have GIS staff who can do most of the work then we can probably cover this from the national CaBA funding pot, but if you want us to do a lot of the production work then we would need to find a project or fund to cover our time.

Now that we have many of the datasets published and templates for the content, the typical time to publish a catchment story map would be 5-10 days, depending on the complexity of the content and the skill level of the staff undertaking the work.

## 3. What resources are available to help me get the most out of the technology?

Data – there is a national online CaBA data package which The Rivers Trust have published, **and which you can ‘plug in’ to your own catchment story map. There are around 40 datasets** available including catchment boundaries, WFD status, rivers, discharge consents, pollution incidents and source apportionment, ecological, water quality and habitat surveys, river obstacles, flood risk, geology, soils, riparian shade model and more. Many of these are attributed with CaBA catchment partnership details, so you can filter to your own catchment, **and the symbology, labelling and ‘popup’ information has already been configured, saving you** lots of time.

<http://theriverstrust.maps.arcgis.com/apps/PublicGallery/index.html?appid=a747787473e048e5ae2949d55767fdaa>

Templates – **as well as the ‘off the shelf’** [ArcGIS Online story map templates](#), The Rivers Trust has amassed a growing selection of CaBA examples, which can be copied and adapted to suit local needs. All of the graphics, text and narrative, as well as the layout and functionality are available to re-use, with some technical support from The Rivers Trust team to access and make the most of this content. <http://theriverstrust.maps.arcgis.com>

Training Resources – we are developing a series of online training videos to help CaBA partnerships get the most out of ArcGIS Online. <https://vimeo.com/user65910163>

ESRI have also produced a number of free training resources, including [Getting Started with ArcGIS Online](#) and [Getting Started with Story Maps](#). Search the [ESRI training portal](#) for more advanced training, and you can also find out more via the ESRI [Help Pages](#).

CaBA Discussion Forum – post technical queries in the data & evidence forum of the CaBA Website: <http://www.catchmentbasedapproach.org/discussions/categories/4-data-and-evidence>

4. What would be our next steps?

Take a look at the example story maps on The Rivers Trust's mapping portal <http://theriverstrust.maps.arcgis.com> and consider if any of these would meet your requirements.

If you would like to develop something similar for your catchment, you will firstly need to enable your [ArcGIS Online entitlement](#) (first sign up for the ESRI non-profit scheme if you don't already have an ArcGIS desktop license). [Contact ESRI UK](#) for more information.

If you would like technical support from The Rivers Trust, [contact us](#) to discuss options. These could include supporting your own staff to develop a story map, or developing something for you. Please note that we are currently very committed, so if the latter then it may take some time to be able to meet your needs.