

## SatellLife: how to enter, resources and support

### How to enter

The competition is split into three age categories:

11 – 16; 16 – 18; 18 – 22.

Entries may be made by a team, or as individuals. Team leaders should be in the appropriate age category and there may be a maximum of one team member up to one year older than the top of the age bracket.

Where the team leader, or any team member, is under 18, the entry must be supported by parents or guardians of all participants aged under 18. All entrants must be based in the UK.

Entries may be in any format, the team should consider the best way of presenting their idea. This could include posters, videos, brochures or more creative mediums but should not exceed 2,000 words, or a five minute presentation, or equivalent.

The competition requires well thought through ideas which have the potential for development, rather than fully formed applications.

Entries should be submitted by email to [applications@ukspaceagency.bis.gsi.gov.uk](mailto:applications@ukspaceagency.bis.gsi.gov.uk) or arrive by post to SatellLife Challenge, Polaris House, North Star Avenue, Swindon, SN2 1SZ by 7 March, 2017.

## Resources and Support

There is plenty of free to access satellite data. There is a helpful website <http://satellites4everyone.co.uk/> which gives the basics about satellites, their potential uses and technology.

Specific data sets are linked below (this list is not exhaustive).

## Earth Observation Data

A vast amount of Earth Observation data is now available online.

- The SeDAS portal gives access to data from the 'Copernicus' satellites – an EU project. This portal is run by the Satellite Applications Catapult in Oxfordshire. Registration is free: <http://sedas.satapps.org/>
- The Data Discovery hub provides many links to data sets, some of which are free, and they are broken down into topic areas (such as climatology or farming): <http://data.satapps.org/>
- European Space Agency data: <https://earth.esa.int/web/guest/home>
- United States Geological Survey data: <https://earthexplorer.usgs.gov/>

## Navigation Data

Raw navigation data is only of use to a limited number of individuals. There are a number of data-sets which use Navigation data which applications can be built from. Some are listed below, but there are many more online.

- Natural England Open Data: [http://www.gis.naturalengland.org.uk/pubs/gis/GIS\\_register.asp](http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp)
- Ordnance Survey Open Data: <https://www.ordnancesurvey.co.uk/opendatadownload/products.html>
- Historical Data Service: <http://hds.essex.ac.uk/history/data/access.asp>
- The location of all post-boxes: <http://dracos.co.uk/made/locating-postboxes/export.php>
- Further information can be found here – a website with links to many data sets: <http://freegisdata.rtwilson.com/>

## General Data

- UK Government Data: <https://data.gov.uk/>
- Police data: <https://data.police.uk/>
- World Bank: <http://worldbank.270a.info/.html>
- NHS: <http://content.digital.nhs.uk/datasets>

Many Councils / Devolved Administrations have open data policies; some are listed below, but search for your area if you are interested.

- London Open Data: <http://data.london.gov.uk/>

- Birmingham: <https://www.birmingham.gov.uk/open-data>
- Aberdeen: [http://www.aberdeencity.gov.uk/open\\_data/open\\_data\\_home.asp](http://www.aberdeencity.gov.uk/open_data/open_data_home.asp)
- Manchester <http://www.opendatamanchester.org.uk/>
- Nottingham: <http://www.opendatanottingham.org.uk/>
- Edinburgh:  
[http://www.edinburgh.gov.uk/info/20032/access\\_to\\_information/1011/open\\_data](http://www.edinburgh.gov.uk/info/20032/access_to_information/1011/open_data)
- Welsh Government: <http://gov.wales/about/foi/open-data/?lang=en>
- Open Data, Northern Ireland: <https://www.opendatani.gov.uk/>