

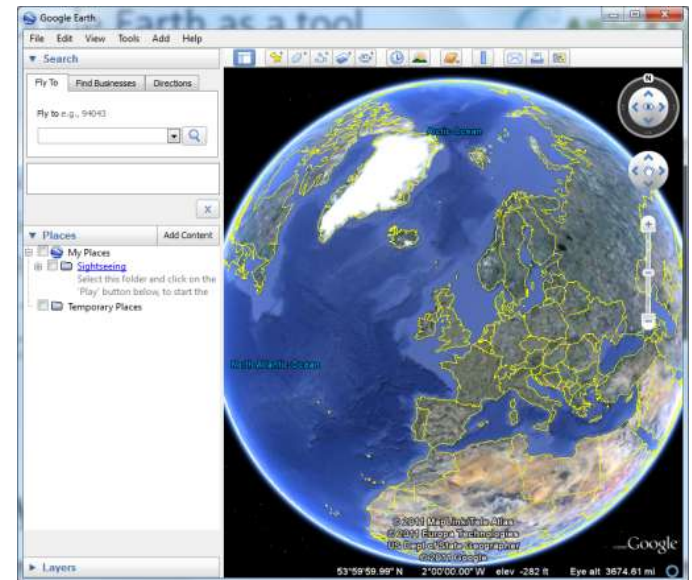
Virtual globe field trips for the classroom

Amii Darnell, Andrew Lovett, Jenni Turner

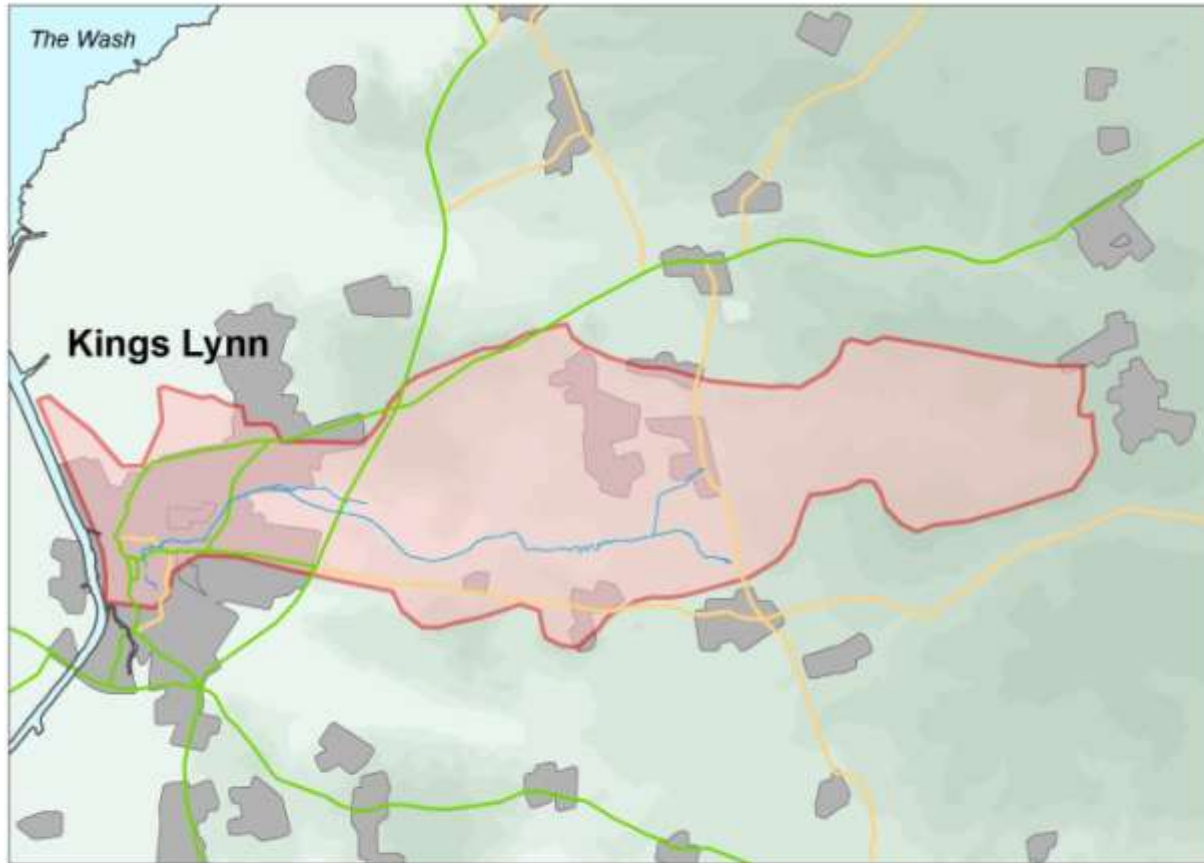


Google Earth as a tool in Higher Education

- Visualisation and exploration
- Research presentation and outreach
- Collaborative research
- Spatial education



Gaywood Valley Project



- River Gaywood
- A Roads
- Gaywood Valley
- B Roads
- Urban Areas

0 1 2 3 4 5 km



Gaywood Valley Project



-  River Gaywood
-  A Roads
-  Gaywood Valley
-  B Roads
-  Urban Areas



The screenshot shows the Geograph website interface. At the top, it says "geograph photograph every grid square!" and "You are not logged in login | register". The search bar contains "bawsey images...". The main heading is "TF6719 : Bawsey Country Park" with a sub-heading "near to Bawsey, Norfolk, Great Britain". A navigation menu on the right includes "NW N NE W Go E SW S SE". The main content area features a large photograph of a sandy beach next to a lake. Below the photo, the caption reads "Bawsey Country Park" and "Expanse of sand on the edge of the lake betraying the origin of the lake's quarrying operation." The left sidebar contains navigation links for Home, View, Search, Maps, Explore, Collections, Interact, Games, Activities, Discussions, Contributors, Submit, Statistics, Leaderboards, General, FAQ, Information, Sitemap, and Contact Us. It also mentions "sponsored by Ordnance Survey" and "This photo is linked from:" with links to "Sand" and "Edges".

Gaywood Valley Project



-  River Gaywood
-  A Roads
-  Gaywood Valley
-  B Roads
-  Urban Areas

Heritage Explorer - Result Detail



ENGLISH HERITAGE
NATIONAL MONUMENTS RECORD

[login](#) [register](#) [sitemap](#)
 Text size: [A](#) [A](#) [A](#)

HERITAGE EXPLORER

IMAGES FOR LEARNING

You are here: [Home](#) >> [Search](#)

Ruins of Church of St. James, Bawsey, Norfolk

[click here](#) to return to the results page
 [Create](#)
 [Add to Student Gallery](#)
 [Add to My Favourites](#)









This 11th century church is thought to have originated as a minster in the Late Saxon period. It was the parish church for the now deserted village of Bawsey but it is not clear if the [medieval](#) village houses were close to the church. The church is thought to have been disused by 1517 when the village of Bawsey had 60 acres of land converted to pasture. It is known to have been in ruins since before 1770. [Read official list description.](#)

Copyright: Graham Brown LRPS. Source English Heritage.NMR

Location: [Norfolk](#) >> [Bawsey](#)

Period: [Anglo Saxon \(410 - 1065\)](#)

Keywords: [church](#), [religion](#), [faith](#), [ruin](#), [Anglo Saxon \(410 - 1065\)](#)

Reference: 221934

Date Taken: 11 October 1999

- [main menu](#)
- [Home](#)
- [Search](#)
- [Images By Theme](#)
- [Teaching Activities](#)
- [Interactive Activities](#)
- [Case Studies](#)
- [How To Guides](#)
- [My Favourites](#)
- [Student Gallery](#)
- [Whiteboard Lessons](#)
- [Worksheets / Notes](#)
- [Web Links](#)
- [Feedback](#)
- [Contact Us](#)
- [Help](#)
- [Sitemap](#)
- [Glossary](#)

our other sites

- [EH Archives](#)
- [EH Prints](#)
- [English Heritage](#)
- [Heritage Gateway](#)
- [Images of England](#)
- [PastScape](#)
- [NMR](#)
- [ViewFinder](#)

Done

Gaywood Valley Project

The image shows a screenshot of a web browser with two windows open. The background window is the Norfolk Wildlife Trust website, displaying the 'Roydon Common' page. The foreground window is the Heritage Explorer website, showing a result detail for 'mes, Bawsey, Norfolk'.

Norfolk Wildlife Trust - Roydon Common

NORFOLK WILDLIFE TRUST

Home About us: **Wildlife in Norfolk** Conservation Things to do Gallery Education Consultancy Support us Buy Online

Wildlife in Norfolk > Nature Reserves > Roydon Common

Roydon Common

Back to map

In this section

- Nature Reserves
- Access by canoe
- Species explorer
- Habitat explorer
- When to see
- Questions and Advice
- Wildlife sites

All reserves

- Alderfen Broad
- Barton Broad
- Beeton Common

Ancient and beautiful, NWT Roydon Common is the largest surviving open heath in west Norfolk – a relic of the ancient grazing areas that once covered much of this part of the county.

Long recognised for its landscape and wildlife importance, it was designated a National Nature Reserve (NNR) in 1995. With sweeping views, primeval bogs, heather-clad heaths and walks along ancient drove-ways, this nature reserve has an atmosphere of real wildness. In summer the heath buzzes with colour and heat, and is wild and windswept in winter.

Part of the Gaywood Valley Living Landscape.

[Click here to download the reserve leaflet for points of interest \(0.5mb\).](#)

Dog policy:
Open Access, but walkers must keep dogs on a short lead March-July to avoid disturbance to ground-nesting birds. Outside this period walkers are requested to keep dogs

mes, Bawsey, Norfolk

Create Add to Student Gallery Add to My Favourites

Source: **Reference:** 221934

Date Taken: 11 October 1999

[065](#)

[ruin, Anglo Saxon \(410 - 1065\)](#)

Tour development

Data

GIS data, images, photos



Processing

GIS, image editor, text editor



KML



Tour(s)



Structure

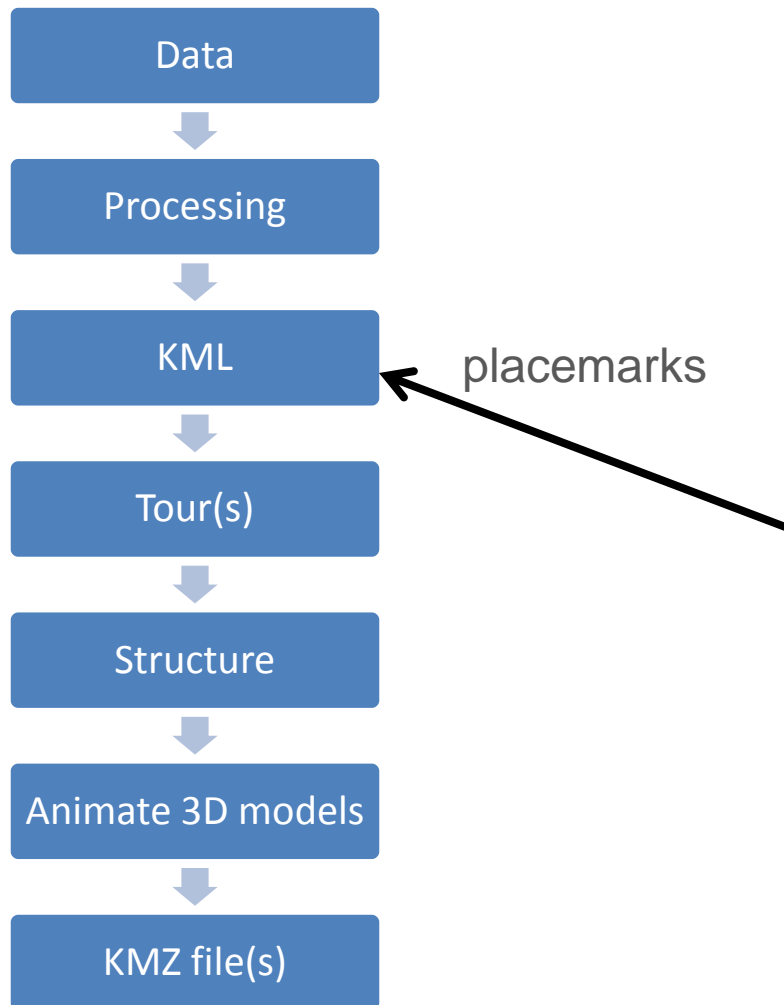


Animate 3D models



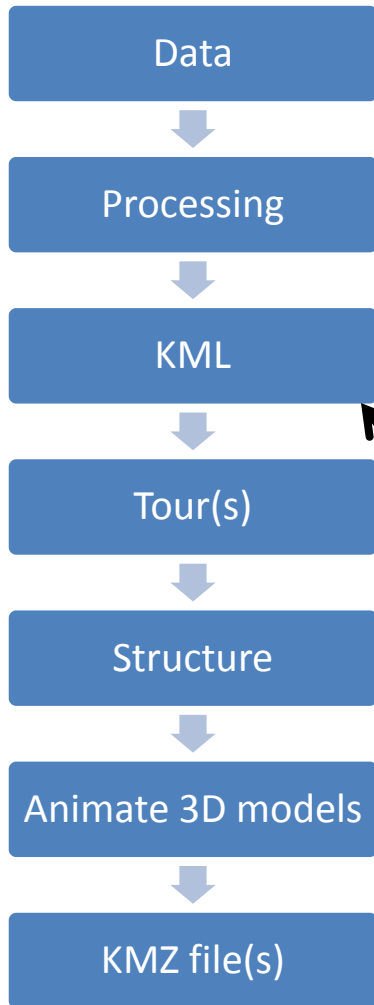
KMZ file(s)

Tour development



The screenshot shows a webpage for "Reffley Wood" on the Woodland Trust website. The page features the Woodland Trust logo in the top right corner. Below the title, there is a "Useful links" section with links to "Woodland Trust" and "Reffley Wood Volunteer Group". A photograph of a paved path through a forest is displayed, with a caption below it: "Photo taken by 'cornishdave' and uploaded to Flickr. © Copyright 'cornishdave' and licensed for reuse under this Creative Commons Licence".

Tour development



screen overlays

GAYWOOD VALLEY

Welcome to the Gaywood Valley Project.

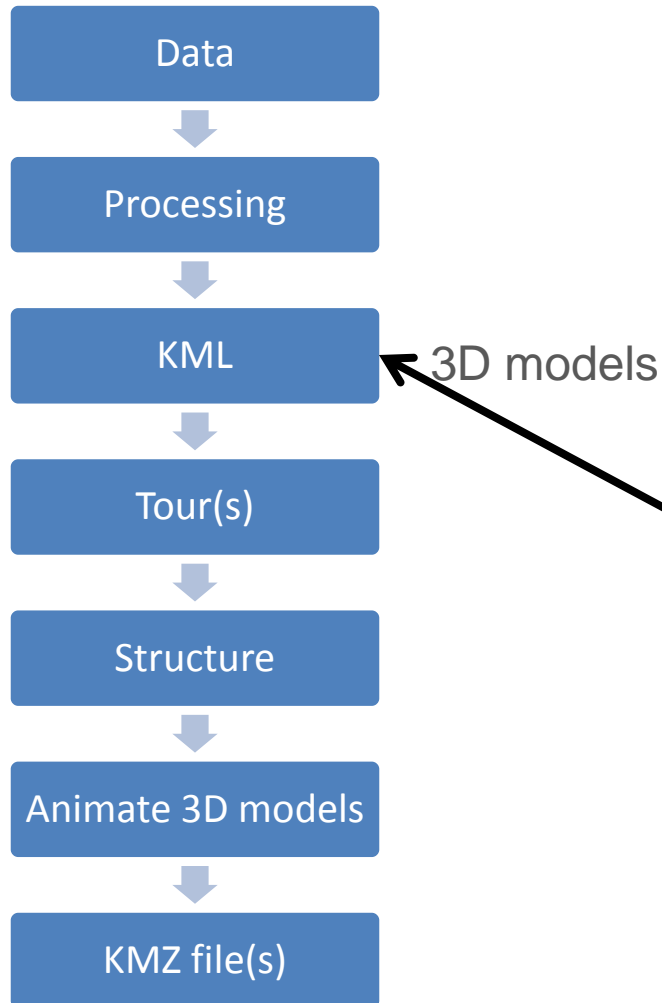
If this is your first visit, please click on the round button next to 'Project overview' on the panel on the left.

Sustainable URBAN FRINGES SURF | NORFOLK WILDLIFE TRUST | Norfolk County Council | The European Union

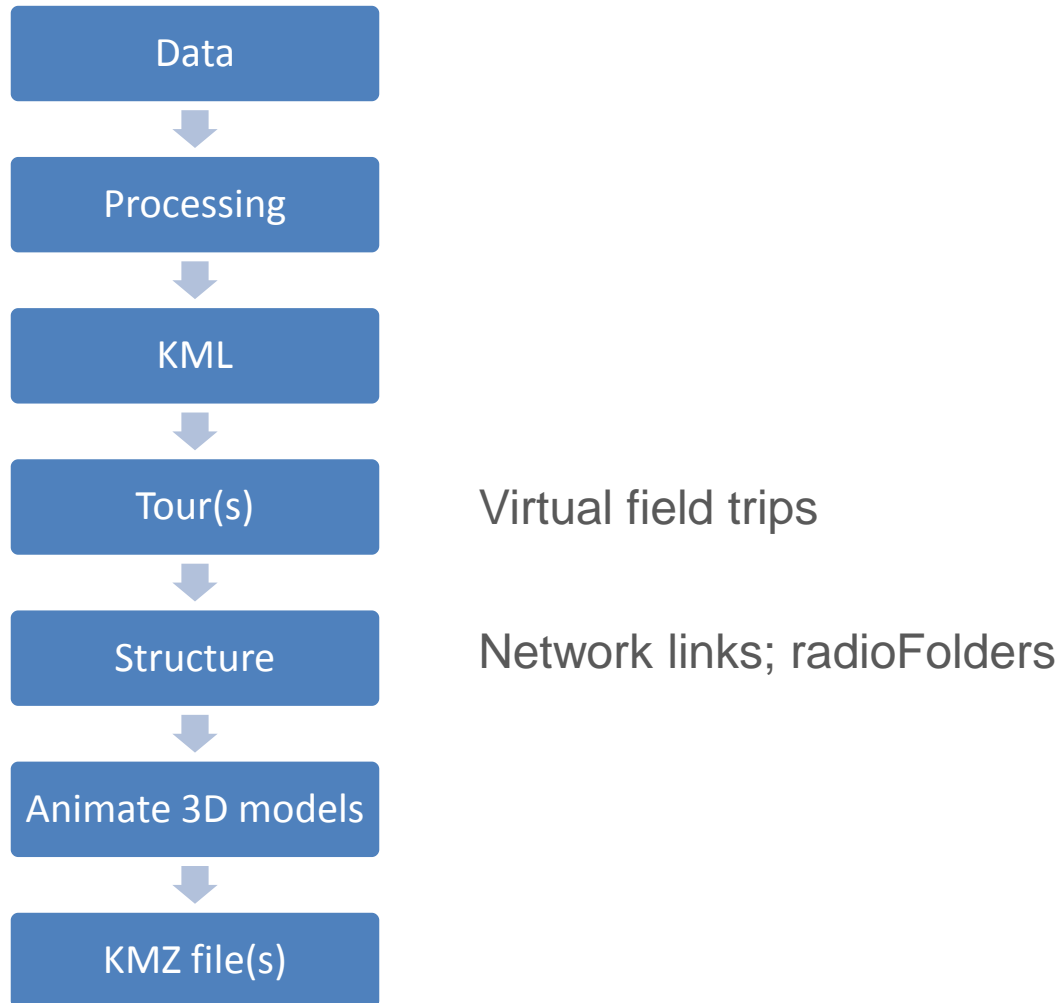
Borough Council of King's Lynn & West Norfolk | The Interreg IVB North Sea Region Programme

Press  below to continue...

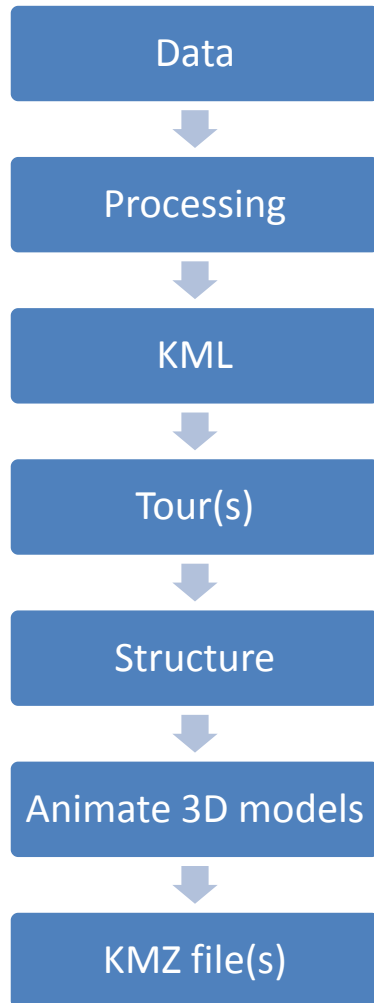
Tour development



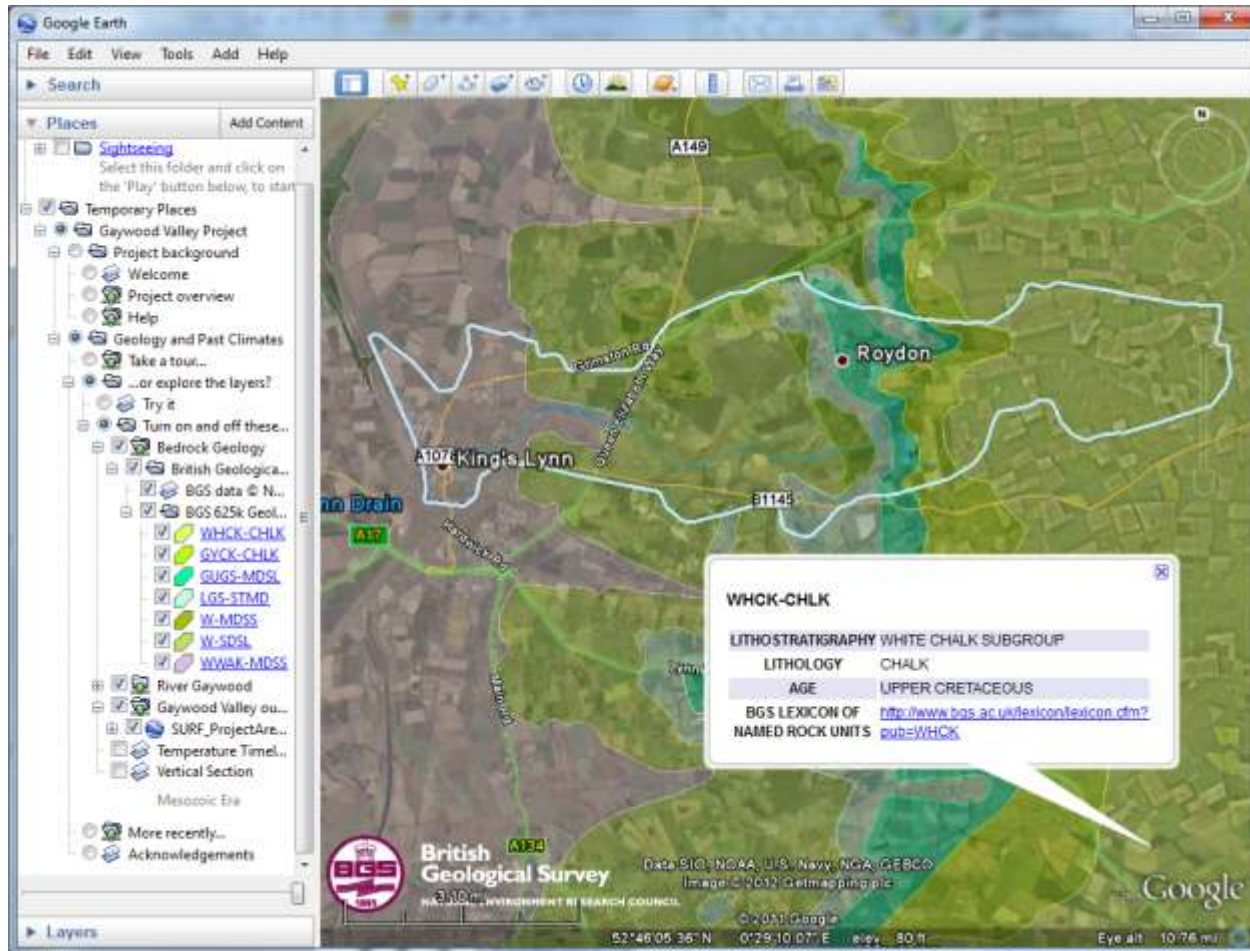
Tour development



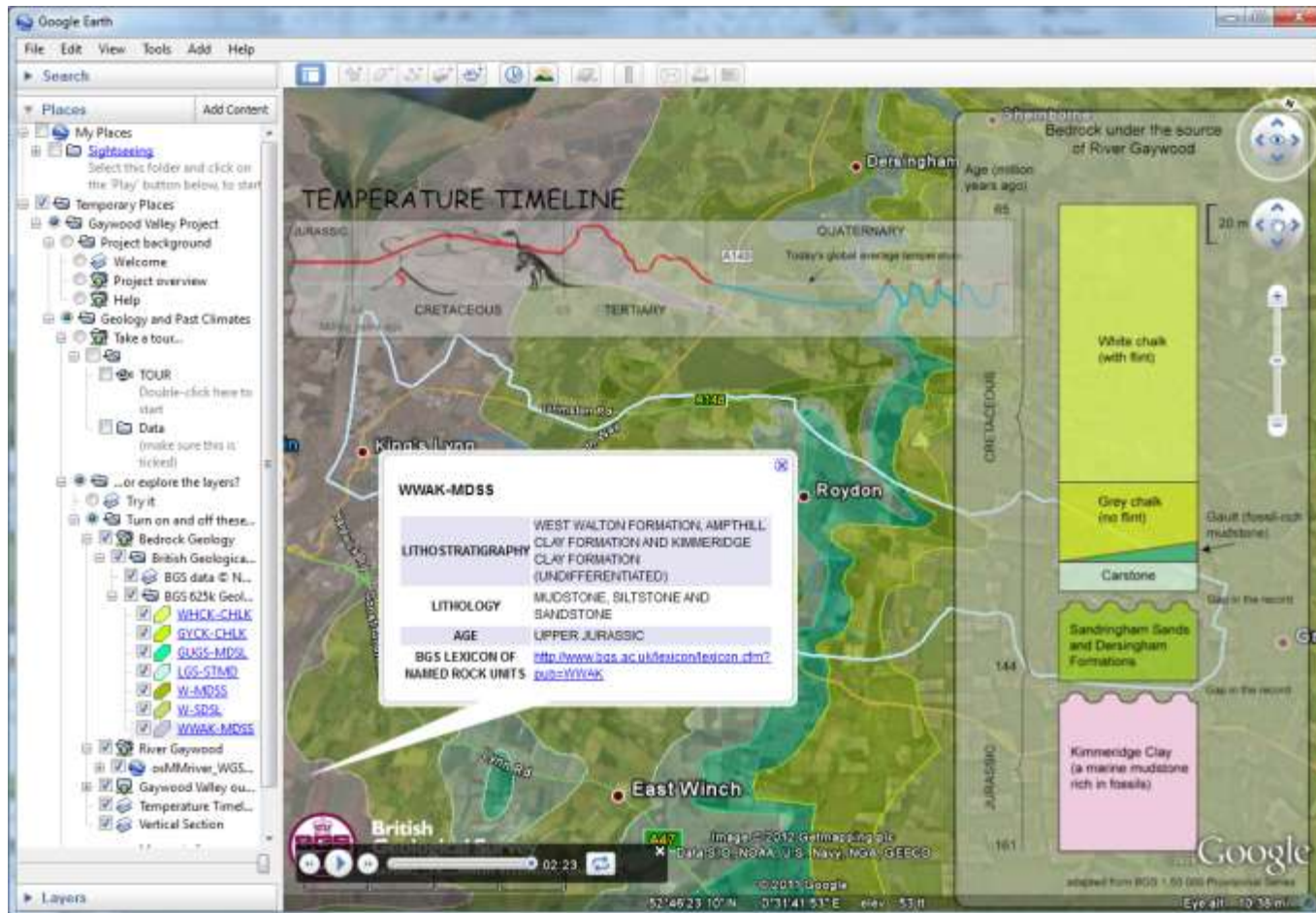
Tour development



BGS solid geology layer

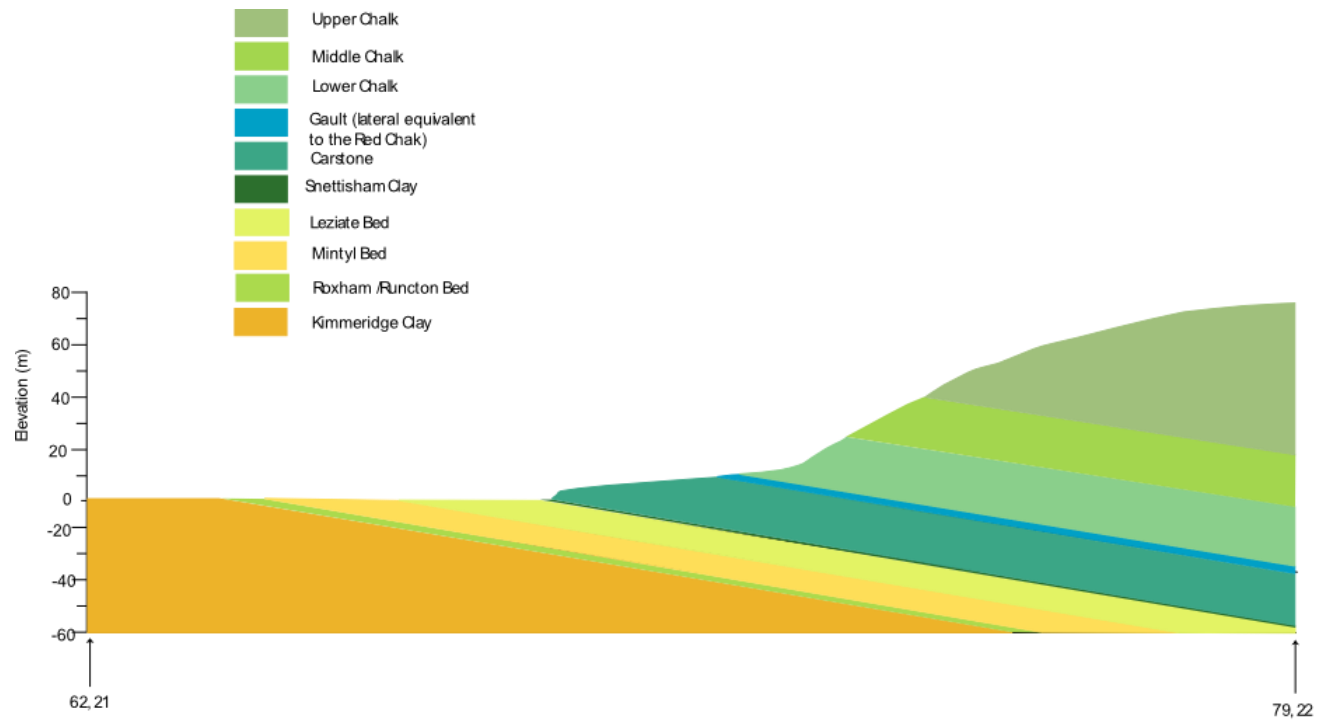


Screen Overlays



3D cross-section

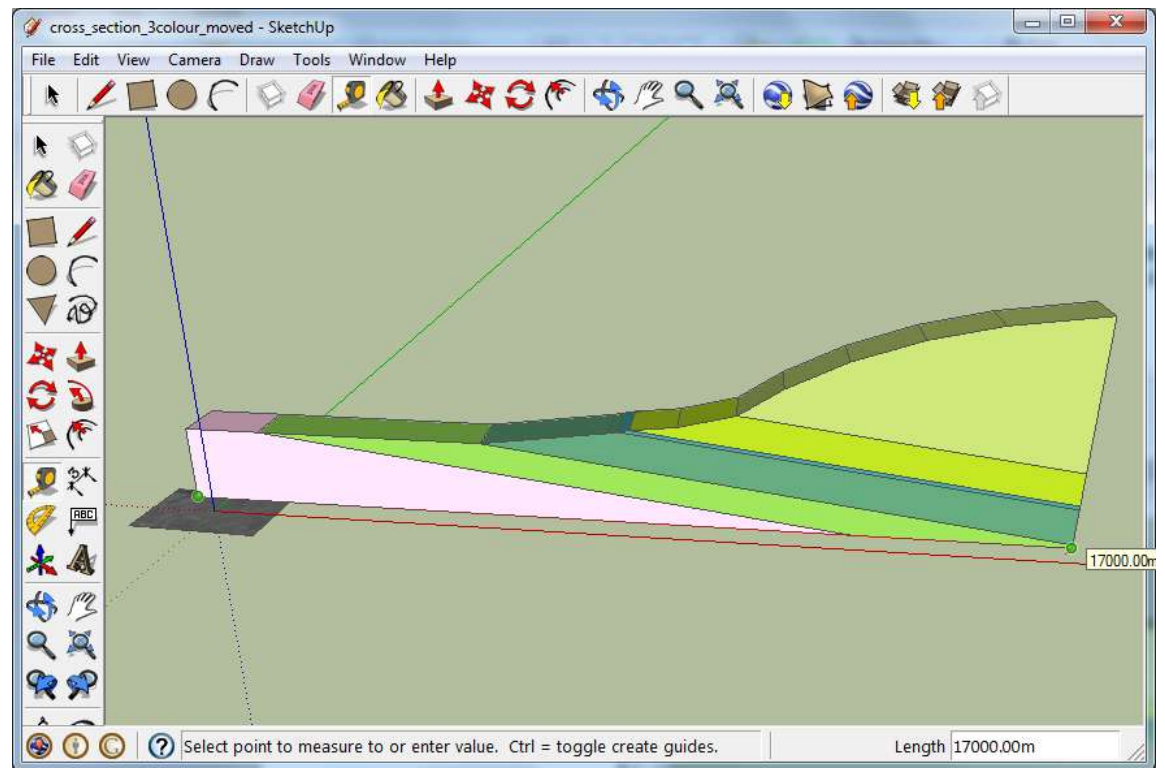
1. Draw 2D cross-section from (regional) solid geology map



From BGS 1: 50000 sheets 145, 156

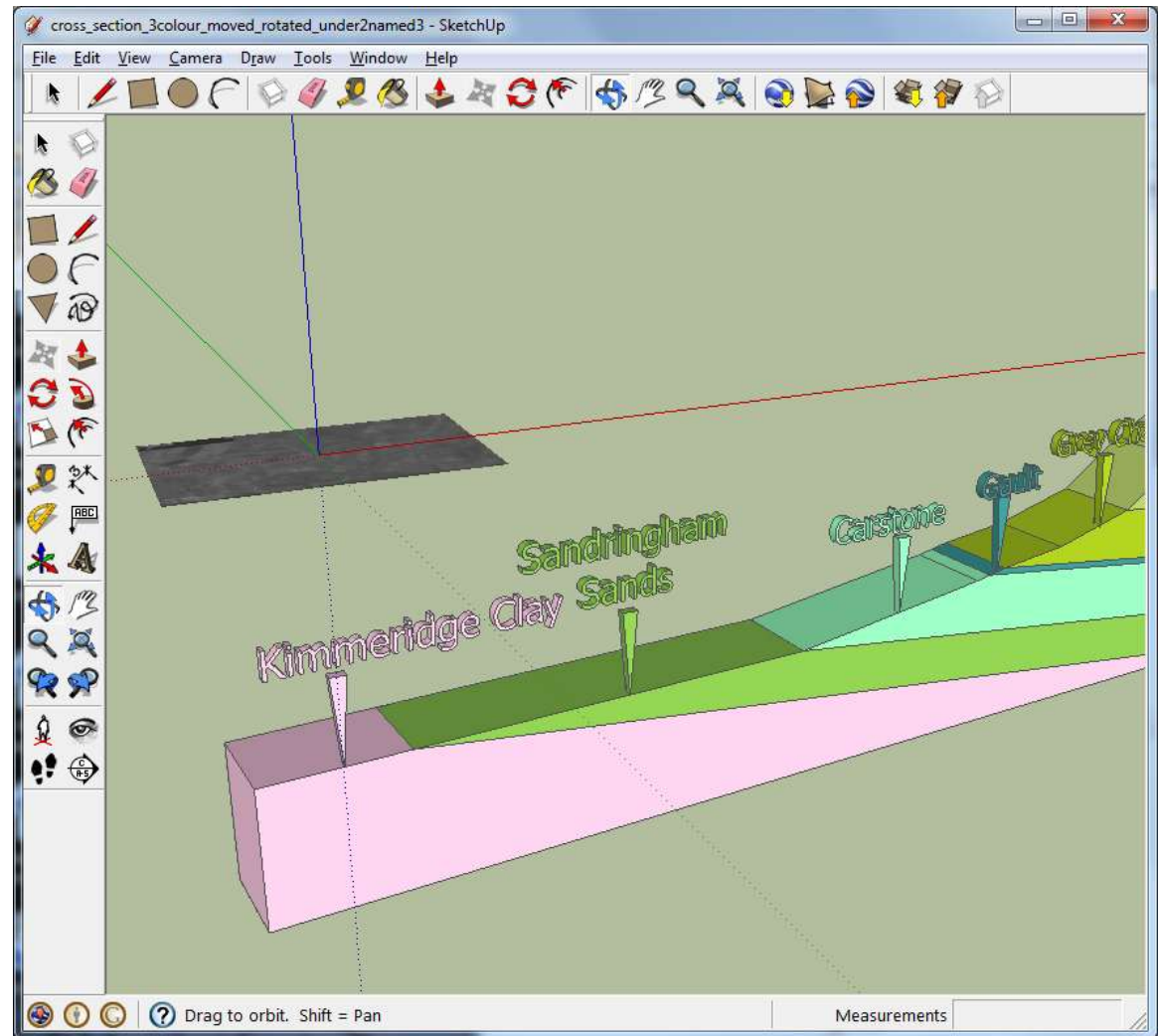
Google SketchUp

2. Get current view into Google SketchUp
3. Draw to scale
4. File> Export>
3D Model

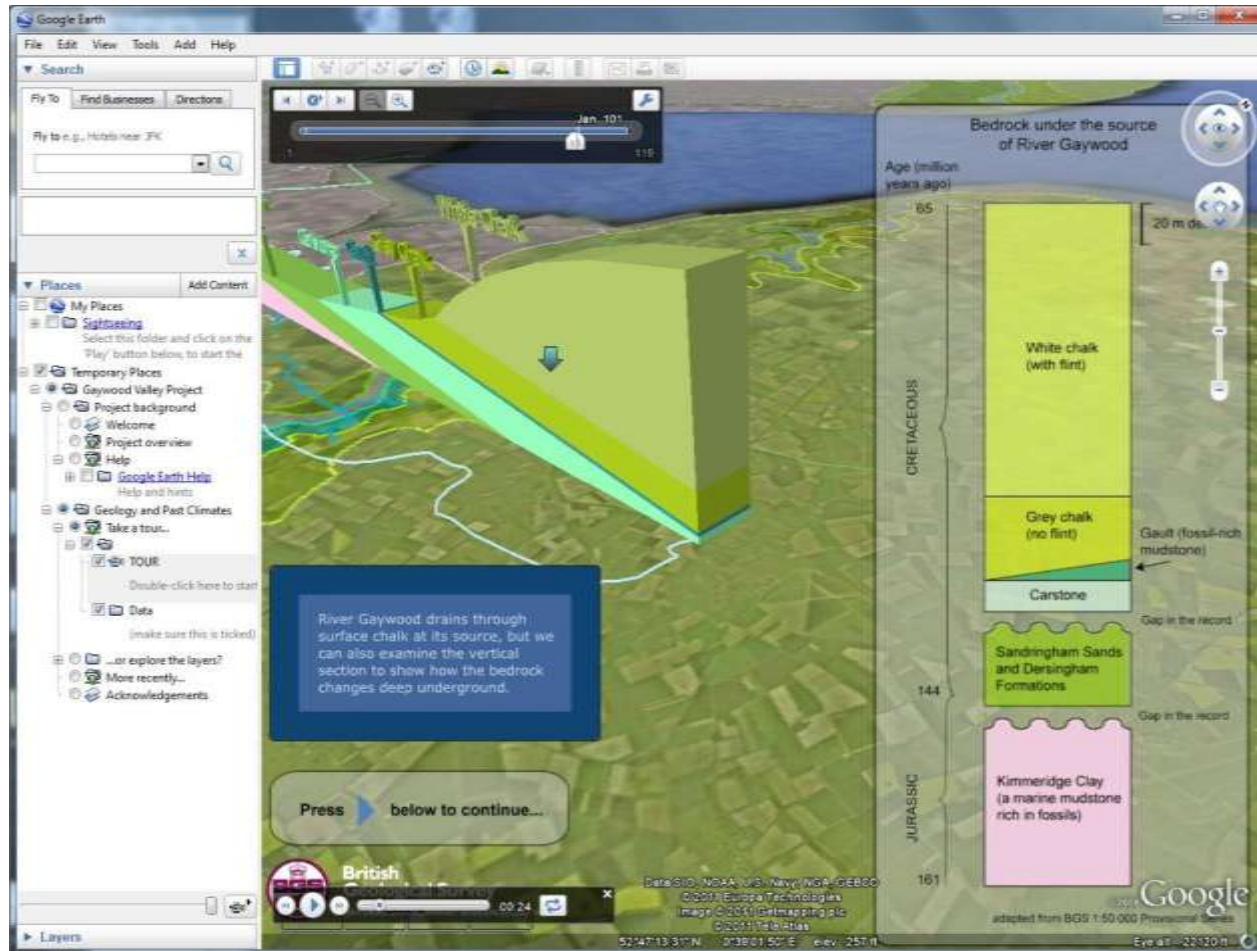


Animating cross-section

5. Give negative altitude
6. File> Export> 3D Model
7. Scripting...



Touring and animation



<live demo>

Conclusions

- Positive feedback
- More outreach
- Set problems/ tasks in tours



Outreach, May 2011

<http://www.uea.ac.uk/env/research/reshigh/gaywood>

Search: “Gaywood Valley Google Earth”

Acknowledgements



Thanks for your interest in the Gaywood Valley Project.
For more information, please contact Gemma Clark,
Gaywood Valley Project Officer at
Norfolk County Council. Or visit the SURF website at
www.sustainablefringes.eu

This tour was developed by Amii Darnell, Andrew Lovett
and Jenni Turner, University of East Anglia, with help from
Tim Holt-Wilson, Norfolk Geodiversity Partnership.



Rivers and flood map are based upon Ordnance Survey data © Crown Copyright/database right 2011.
An Ordnance Survey/EDINA supplied service. Cross-section and stratigraphy based upon
BGS 1:50 000 Provisional Series, with the permission of the British Geological Survey.

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