

# Data Visualisations - Higham Lane School (Mr Eddon)

Data visualisation tools to help support geography teaching in the classroom :) Happy for this to be shared with others - if you want to edit and collaborate on this padlet tweet @HLSGeog

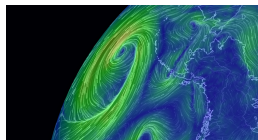
HLS GEOG JUL 03, 2019 08:41AM

## Live global ocean currents, winds & waves

### earth :: a global map of wind, weather, and ocean conditions

See current wind, weather, ocean, and pollution conditions, as forecast by supercomputers, on an interactive animated map. Updated every three hours.

NULLSCHOOL



### Connectivity Atlas

Explore how global infrastructure links us all with the Connectivity Atlas.

DEVELOPMENTSEED

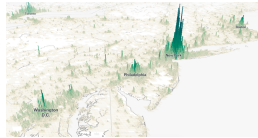


## Population Mountains

### Human Terrain

Visualizing the World's Population, in 3D

THE PUDDING



## Global solar atlas

### Global Solar Atlas

The Global Solar Atlas provides a summary of solar power potential and solar resources globally. It is provided by the World Bank Group as a free service to governments, developers and the general public, and allows users to quickly obtain data and carry out a simple electricity output calculation for any location covered by the solar resource database.

GLOBALSOLARATLAS



## Development Indicators (gapminder)

### Gapminder Tools

Animated global statistics that everyone can understand

GAPMINDER

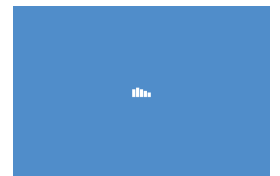


## Environment Agency coastal erosion map

Codes the coastline into; hold the line, no active intervention, advance the line & managed realignment. Links to SMPs and erosion rates.

### ArcGIS Web Application

ARCGIS



## Globalisation

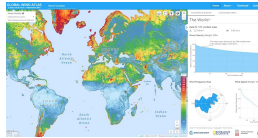
Global energy, transportation & communication links mapped

# Global wind atlas

## Global Wind Atlas

The Global Wind Atlas is a product of the World Bank and the Technical University of Denmark. Its purpose is to provide quick and easy access to wind resource data globally.

GLOBAL WIND ATLAS

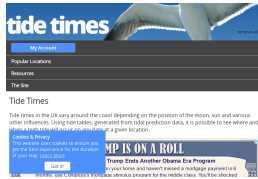


# UK tide times

## Tide Times

This site requires JavaScript. Please enable it or add an exception.  
Popular Locations Resources The Site 256-Bit SSL Secure Browsing  
High Tide within: 1 hour 2 hours 3 hours 4 hours 5 hours 6 hours 7 hours or more (updates every five minutes). ©2009-2019 Dick Dolby, all rights reserved.

TIDETIMES



# Food types mapped globally (using instagram photos)

Culture/identity/globalisation

## The Food Capitals of Instagram

Explore the popularity of some of the world's favourite foods on Instagram. Discover Instagram's capital of curry, which cities are big on burgers, and where pulled pork is most prolific.

CEWE-PHOTO WORLD

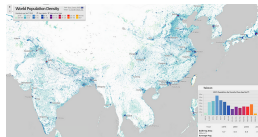


# Population density mapped (interactive & over time)

## Mapping Population Density Across the Globe

Explore the detailed geography of population across the globe with interactive mapping and statistics. Identify global megacity regions and the growth and diversity of urban forms. Data is from the Global Human Settlement Layer by the European Commission JRC.

LUMINOCITY3D

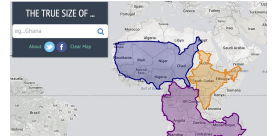


# Dispelling Mercator - map allows you to see the real size of countries

## Compare Countries With This Simple Tool

Drag and drop countries around the map to compare their relative size. Is Greenland really as big as all of Africa? You may be surprised at what you find! A great tool for educators.

THE TRUE SIZE



# World energy mapped

Each country's energy mix mapped. Toggle fossil fuels/renewables/nuclear on/off on the map

## What Powers the World? by Gocompare.com

Flick the switches and see how much of the world would go dark without fossil fuels, who relies the most on nuclear power and where renewables keep the lights on.

GOCOMPARE



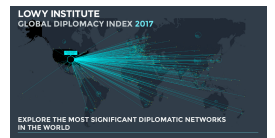
# Global Diplomacy Index

Softpower

## Global Diplomacy Index

Explore the most significant #diplomatic networks in the world via @LowyInstitute map <http://globaldiplomacyindex.lowyinstitute.org/>

[HTTP://GLOBALDIPLOMACYINDEX.LOWYINSTITUTE.ORG](http://globaldiplomacyindex.lowyinstitute.org)



# Quality of Life

(dollar street)

Photos of families from around the world (detailed photos of their lives)

Dollar Street - photos as data to kill country stereotypes

Imagine the world as a street. Everyone lives on Dollar Street. The poorest to the left and the richest on the right. Every else live somewhere in between. Where would you live? Visit Dollar Street and see homes from hundreds of homes from all over the World.

GAPMINDER



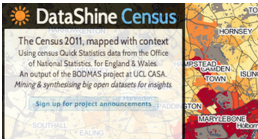
DataShine

2011 UK Census mapped

DataShine: Census

The 2011 Census, mapped with context for England/Wales.

DATASHINE: CENSUS



Refugees mapped

The Refugee Project

The Refugee Project by Hyperakt and Ekene Ijeoma, visualizes UNHCR refugee data and UN population data to tell the stories of refugee movements from 1975 to 2016.

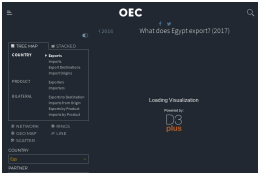
THEREFUGEEPROJECT

Trade

Products exported by Egypt (2017)

What does Egypt export? (2017) Data visualization of economic trade.

THE OBSERVATORY OF ECONOMIC COMPLEXITY



World

World maps where places are re-sized depending on the subject of the map

Worldmapper | rediscover the world as you've never seen it before

Mapping our place in the world: The atlas for the 21st century. Worldmapper is a collection of world maps where countries are resized according to a broad range of global issues. Our cartograms are unique visualisations that show the world as you've never seen it before. Explore them all!

WORLDMAPPER



Life expectancy

Population.io

The World Population Project

POPULATION

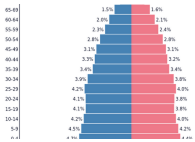


Population Pyramids

Population Pyramids of the World from 1950 to 2100

Population Pyramids: WORLD - 2017

POPULATIONPYRAMID.NET



World migration 2010-2015 mapped

All the World's Immigration Visualized in 1 Map

Facebook Twitter Google+ LinkedIn64.3KsharesThis map shows the estimated net immigration (inflows minus outflows) by origin and destination country between 2010 and 2015. Blue circles = positive net migration (more inflows). Red circles = negative net migration (more outflows). Each yellow dot represents 1,000 people.

METROCOSM



Population data

(UNFPA - mapped data on fertility/family planning/maternal mortality etc)

World Population Dashboard

Home Data World Population Dashboard The World Population Dashboard showcases global population data, including fertility rate, gender parity in school enrolment, information on sexual and reproductive health, and much more. Together, these data shine a light on the health and rights of people around the world, especially women and young people.

UNFPA



Gay Happiness Index

Gay Happiness Index

There are 7 billion people on the planet and assuming that 5% of them are LGBTs, then there are about 350 million of us in the world. Most of the available data refers to LGBT people in an abstract legal way and not on the level of the happiness of individuals.

ROMEO



Global emissions mapped over time

Global Historical Emissions Map

AURELIENSAUSSAY



India's electrical grid mapped over 20 years

Good for showing a. India emerging and b. rural/periphery of India still lagging behind vs urban core

India Lights

India as seen from space at night.

INDIA LIGHTS



Earthquakes & volcanic eruptions mapped over time

Smithsonian

Mouse over feature button for legend, click to show / hide: Click events on the map for more information.

AXISMAPS



Migration

Global international migration flows | Wittgenstein Centre

Global Migration Data Sheet 2013: Unique estimates of migration flows between the top 50 sending and receiving countries.

BUND

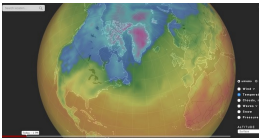


Weather

Windy as forecasted

Weather radar, wind and waves forecast for kilters, surfers, paragliders, pilots, sailors and anyone else. Worldwide animated weather map, with easy to use layers and precise spot forecast. METAR, TAF and NOTAMs for any airport in the World. SYNOP codes from weather stations and buoys.

WINDY.COM/



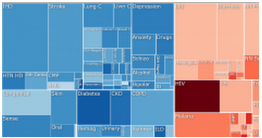
Health data

(use for development indicators)

GBD Compare | IHME Viz Hub

Analyze updated data about the world's health levels and trends from 1990 to 2016 in this interactive tool using estimates from the Global Burden of Disease (GBD) study. Use treemaps, maps, arrow diagrams, and other charts to compare causes and risks within a country (now at the US state-level), compare countries with regions or the world, and explore patterns and trends by country, age, and gender.

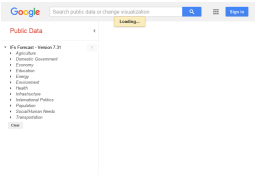
HEALTHDATA





IFs Forecast - Version 7.31 - Google Public Data Explorer

GOOGLE




Trade

Data

Explore interactive resource trade data from Chatham House

RESOURCETRADE.EARTH




Live flight tracker

Live Flight Tracker - Real-Time Flight Tracker Map | Flightradar24

The world's most popular flight tracker. Track planes in real-time on our flight tracker map and get up-to-date flight status & airport information.

FLIGHTRADAR24




Live global hazards map

RSOE EDIS - - Event reports (Earthquakes, events, tropical storms, tsunamies and others)

Welcome to the RSOE Emergency and Disaster Information Service (EDIS) website. The page shows the disaster and emergency events that occurred on Earth in near real time.

RSOE EDIS



Live vessel tracker

Free AIS Ship Tracking of Marine Traffic - VesselFinder

VesselFinder is a FREE AIS vessel tracking web site. VesselFinder displays real time ship positions and marine traffic detected by global AIS network.

VESSELFINDER

