# SEARCHING GOOGLE AND OTHER SEARCH ENGINES



Julia Barrett

Julia.barrett@ucd.ie

UCD James Joyce Library

March 2014

An Leabharlann UCD

### Outline

- - Google Cheat Sheet
    - http://www.ucd.ie/t 4cms/Guide21.pdf
- Different types of search engines: articles/papers; books; images; statistics; datasets; by discipline, etc.

- Effective Googling Portal/Gateway sites; custom search engines
  - Using Google to locate "type"-based resources (e.g. a directory, bibliography, database, open access repository)
  - Evaluating websites

### Try It Out -1!

• Search for:

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# Try It Out -2!

• Search for:

# A recent OECD report on the Irish economy

Limit to oecd.org

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# Different types of search engines

- General scholarly
  - Google Scholar
  - Microsoft Academic Search
- By type
  - Open access, repositories
  - Theses
  - Books
  - Images
  - Statistics
  - Datasets
  - Discipline-specific



# Google Scholar <a href="http://scholar.google.com">http://scholar.google.com</a>

- All disciplines (including humanities); variety of formats e.g. articles, papers, books, open access materials, IRs
- Good for locating material that may fall between disciplines (e.g. How people remember music/melodies)
- Good for identifying which subject-specific databases to use – use as a back door

- Can limit by author, publication etc. (use Advanced Search option)
- Can link to library holdings
- Cited by feature; can save to Endnote, etc.
- No listing of what is included; not clear how often it is updated
- Too many irrelevant items may be retrieved – cannot fine-tune search as with a database search

# What disciplinary-specific resources should I check?



### music remember OR recognition people



http://commons.wikimedia.org/wiki/File:Debussy String quartet.png



#### Music recognition.

D Deutsch - Psychological Review, 1969 - psycnet.apa.org

... Music RECOGNITION ... This process of ab- straction is so fundamental that it is easier for us to remember a tune than it is to ... Tune recognition is more complicated than simultaneous interval abstraction because it involves recognition of the time order in which the two components ...

Cited by 151 Related articles All 5 versions Import into EndNote More •

#### Modularity of music processing

I Peretz, M Coltheart - Nature neuroscience, 2003 - nature.com

... no specific module for recognizing music, but just a general auditory recognition module; when that is damaged, amateur abilities such as music recognition suffer more than expert abilities such as speech recognition. This account predicts that one will not find people in whom ... Cited by 403 Related articles All 16 versions Import into EndNote More •

#### [воок] Therapeutic uses of music with older adults

AA Clair, J Memmott - 2008 - ERIC

... This important book shows both informal and formal caregivers how to use **music** to enhance the quality of life of older adults--including **people** with physical impairments and **people** with dementia. Written by two of the nation's ...

Cited by 123 Related articles All 2 versions Import into EndNote More •

#### Personality and music: Can traits explain how people use music in everyday life?

T Chamorro-Premuzic... - British Journal of ..., 2007 - Wiley Online Library

... No wonder, then, that intellectually engaged individuals reported higher music recognition and preference ratings ... This use of music seems to characterize open individuals, too, no doubt because of ... Likewise, people with higher IQs seem to use music in a more rational/cognitive ... Cited by 94 Related articles All 11 versions Import into EndNote More •

#### The Shazam music recognition service

A Wang - Communications of the ACM, 2006 - dl.acm.org

Page 1. **People** are routinely exposed to **music** in everyday environments— car, home, restaurant, movie theater, shopping mall—but are frus- trated by not being able to learn more about what they hear. ... THE SHAZAM **MUSIC RECOGNITION** SERVICE ... Cited by 98 Related articles All 4 versions Import into EndNote More ▼



- Psychological Review
- Nature
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- British Journal of Psychology
- Communications of the ACM

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AJ McMichael, RE **Woodruff**, <u>S Hales</u> - The **Lancet**, 2006 - Elsevier

There is near unanimous scientific consensus that greenhouse gas emissions generated by human activity will change Earth's climate. The recent (globally averaged) warming by 0.5°.

C is partly attributable to such anthropogenic emissions. Climate change will affect human

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AJ McMichael, RE Woodruff - 2005 - Springer

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AJ McMichael, RE Woodruff, S Hales - The Lancet, 2006 - Elsevier

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APA McMichael, A. J., Woodruff, R. E., & Hales, S. (2006). Climate change and human health: present and future risks. *The Lancet*, 367(9513), 859-869.

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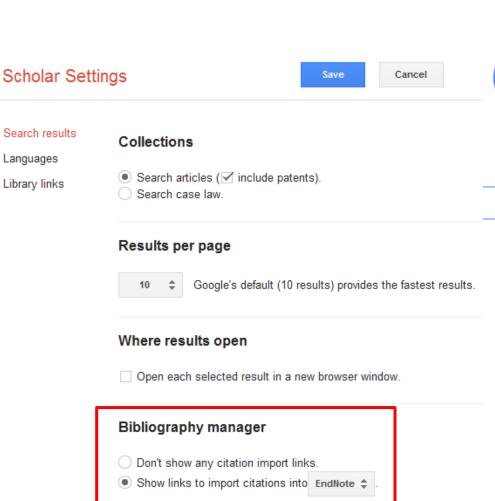
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#### Predicting Ross River virus epidemics from regional weather data

RE Woodruff, CS Guest, MG Garner, N Becker... - ..., 2002 - journals.lww.com

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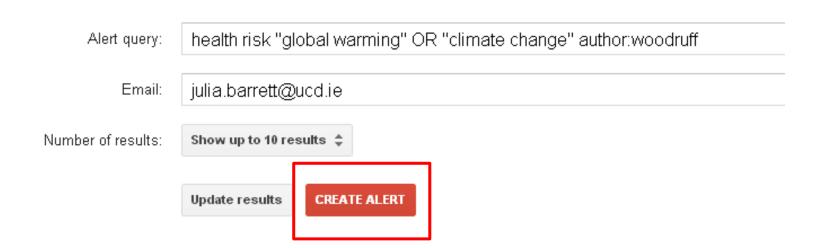
# Climate change and Australian agriculture: a review of the threats facing rural communities and the health policy landscape

..., E Bell, D King, R Woodruff - ... Journal of Public Health, 2011 - aph.sagepub.com ... Erica Bell, BA, PhD2, Debra King, BA (Hons), PhD3, and Rosalie Woodruff, BComm, PhD4 ... Historical prece- dents of global public health gearing into action, and responding to low ... Yet discourse of the sequelae of the high-risk climate change events have been branded as ... Cited by 6 Related articles All 6 versions Cite

#### [PDF] Climate change and infectious diseases

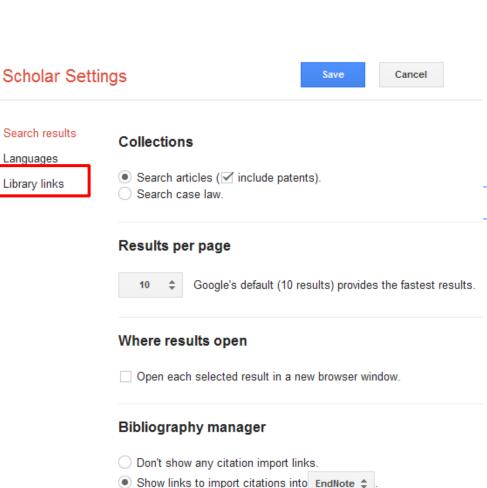
AJ McMichael, R Woodruff - The social ecology of infectious ..., 2008 - urbanag.wdfiles.com ... The range of **risks** to human **health** is extensive – and potentially catastrophic in some circumstances ... The **risk** of infectious disease is affected mostly by climatic influences on the biology and behavior of pathogen, vector ... Figure 14.4 Climate change and **health**: pathways, impacts ... Cited by 9 Related articles All 2 versions Cite More •

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#### Seismic based strengthening of steel and RC telecommunication poles based on fem analysis

E Kalkan, DF Laefer - Engineering structures, 2004 - Elsevier

This study describes a numerical projection of pre-and post-retrofitted conditions of telecommunication poles subjected to seismic hazards. The absence of explicit guidelines for the rehabilitation of existing poles motivated the investigation of the effectiveness of ... Cited by 2 Related articles All 8 versions Import into EndNote More ▼

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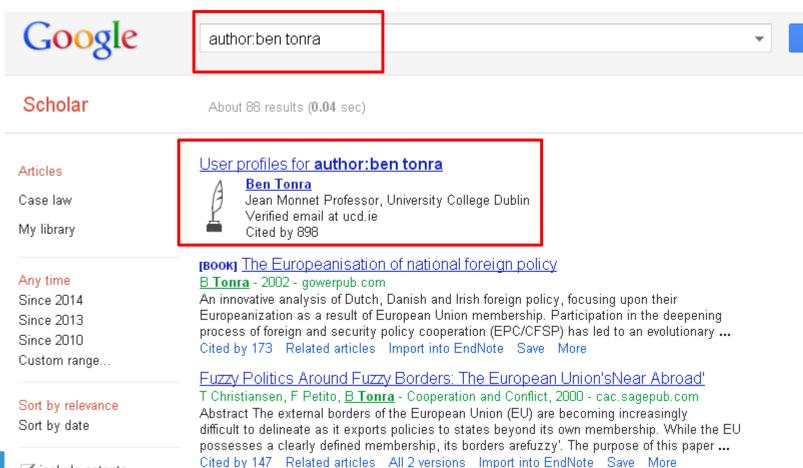
... coupled δ< sup> 13</sup> C-radiocarbon systematics of three Late Glacial/early Holocene speleothems; insights into soil and cave processes at climatic transitions

D Rudzka, F McDermott, LM Baldini... - ... et Cosmochimica Acta, 2011 - Elsevier Abstract The coupled  $\delta$  13 C-radiocarbon systematics of three European stalagmites deposited during the Late Glacial and early Holocene were investigated to understand better how the carbon isotope systematics of speleothems respond to climate transitions. ... Cited by 5 Related articles All 6 versions Cite

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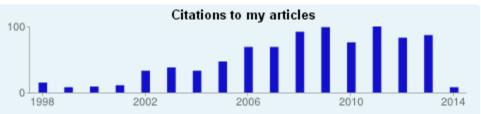
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Rethinking European Union Foreign Policy B Tonra, T Christiansen Manchester University Press	108	2004
Constructing the CFSP: the utility of a cognitive approach B Tonra JCMS: Journal of Common Market Studies 41 (4), 731-756	101	2003



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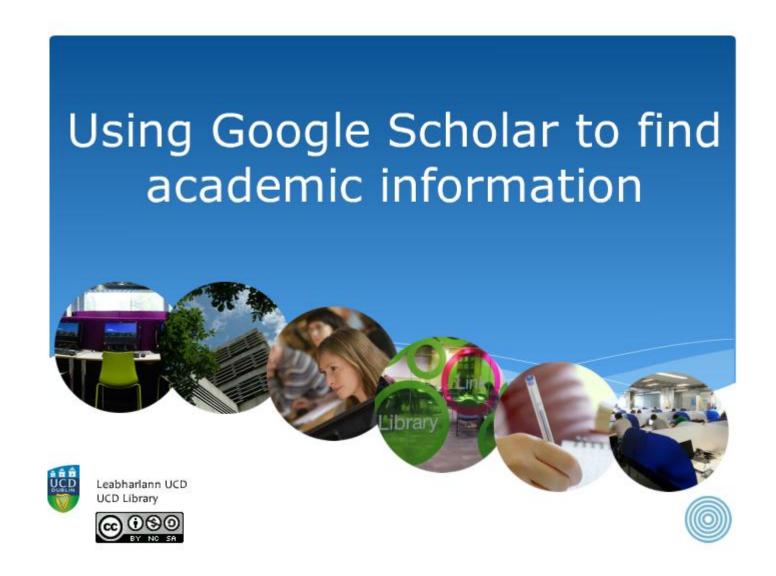
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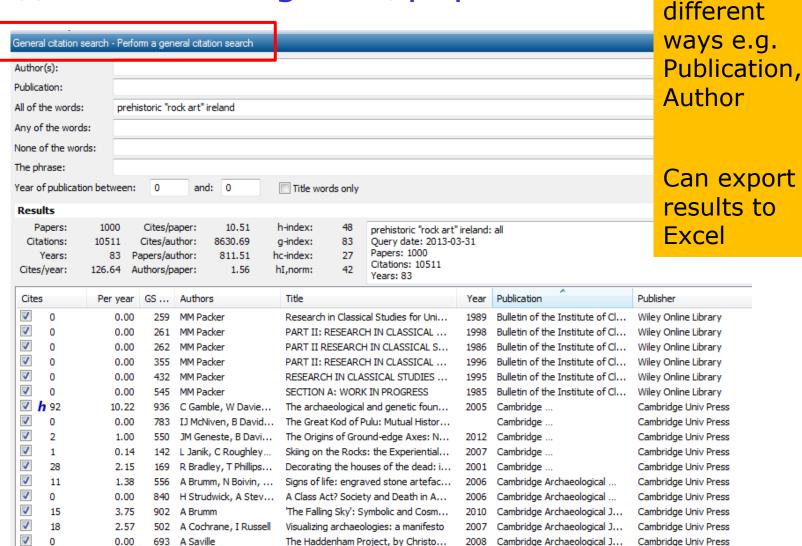
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#### Authors (35)

Joseph R. Kiniry

Daniel M. Zimmerman

David R. Cok

Erik Poll

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#### Publications (39)

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Lilian Burdy, D avid Cokb, Michael D. Ernstd, Joe Kiniry, Rustan Leino

...specify the detailed design of java classes and interfaces by adding annotations to java source files, the aim of ...programming smartcards written in the java card dialect of java ....

Journal: Electronic Notes in Theoretical Computer Science - ENTCS, vol. 80, 2003

#### A Hands-On Look at Java Mobile Agents (Citations: 130)

Joseph Kiniry, Daniel M. Zimmerman

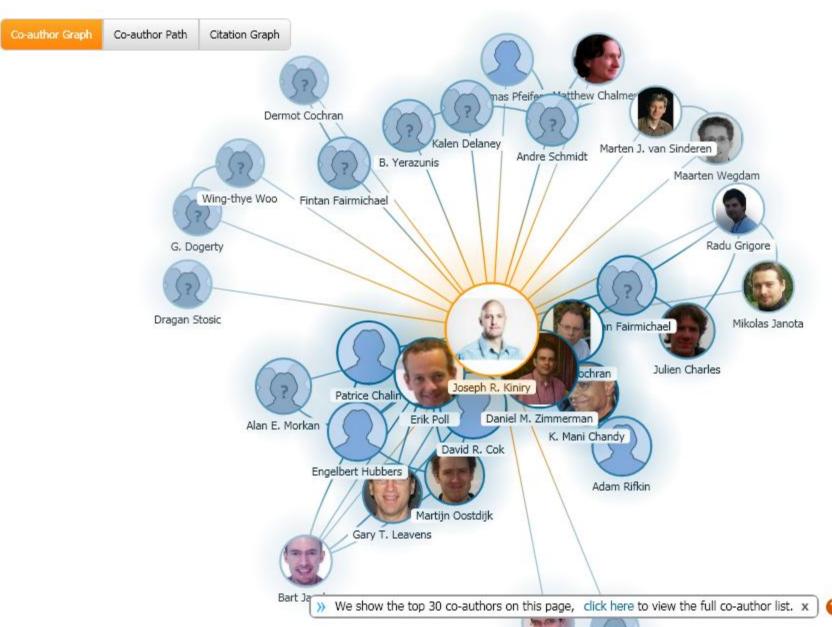
...benefits and drawbacks of current java mobile agent systems? the authors...also discuss new capabilities of java 1.1 that show promise...

Journal: IEEE Internet Computing - INTERNET, vol. 1, no. 4, pp. 21-30, 1997

#### ESC/Java2: Uniting ESC/Java and JML (Citations: 95)

David R. Cok, Joseph R. Kiniry

...abstract: the esc/java tool was a lauded advance in effective static checking of realistic java programs, but has become out-ofdate with respect to java and the java modeling language (jml). theesc/java2...





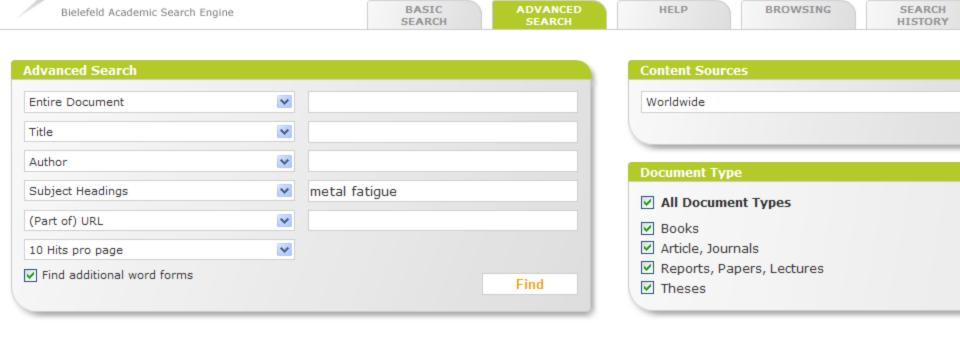
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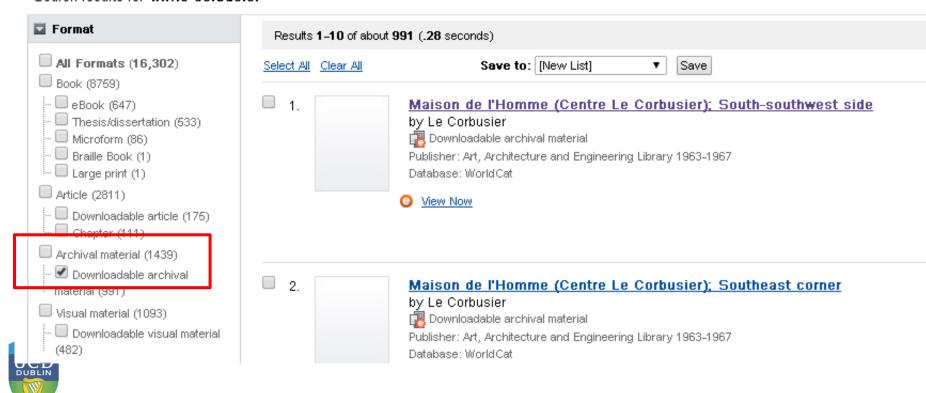
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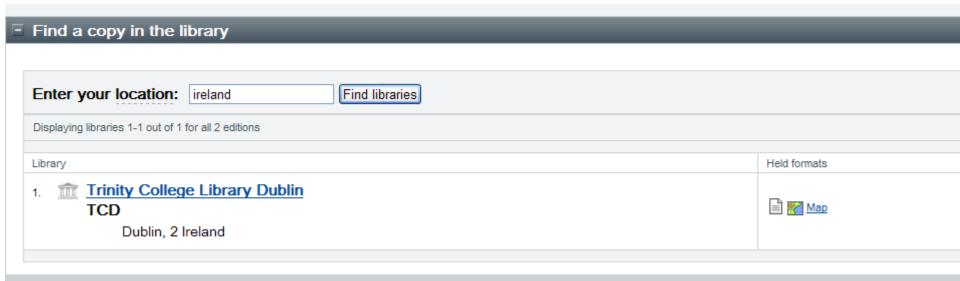
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Le Corbusier von Alfred Roth

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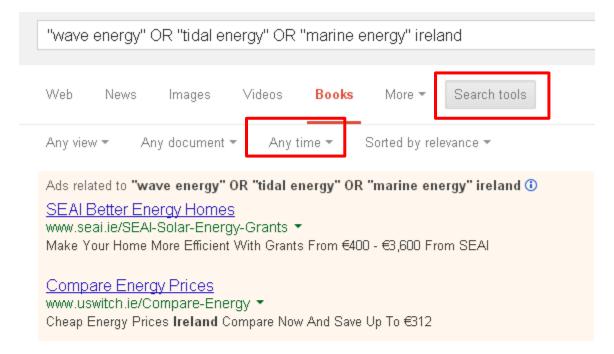
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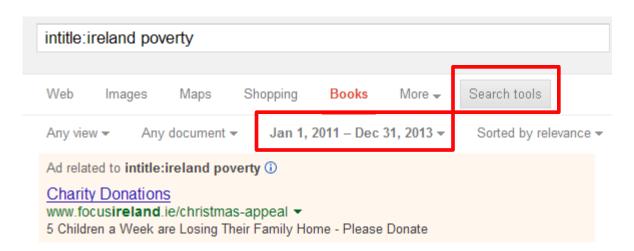
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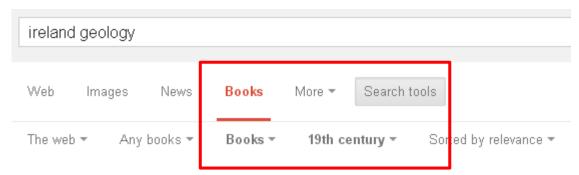
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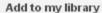
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## CHAPTER I.

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—GEOLOGICAL FORMATIONS OF WICKLOW—ITS MINERAL LODES,
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Best guess for this image: heliconia psittacorum

#### Heliconia psittacorum - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Heliconia\_psittacorum -

Heliconia psittacorum (Parrot's Beak, Parakeet Flower, Parrot's Flower, Parrot's Plantain, False Bird-Of-Paradise) is a perennial herb native to the Caribbean and ...

### Town Mount Tropicals - Heliconia psittacorum

www.towenmounttropicals.com.au/Gallery/heliconia/psittacorum.html ▼ 70+ items - Heliconia psittacorum. 'Bella Donna'. A new compact variety ... Heliconia psittacorum 'Andromeda'. Heliconia psittacorum. 'Andromeda Heliconia psittacorum. 'Bella Donna

### Visually similar images - Report images





## Heliconia psittacorum

Heliconia psittacorum is a perennial herb native to the Caribbean and northern South America. It is often cultivated as a tropical ornamental plant. Wikipedia

Scientific name: Heliconia psittacorum

Rank: Species

Higher classification: Heliconia

Feedback / More info



# Zanran for Data & Statistics www.zanran.com





#### 4. Trends in Irish cancer mortality rates 1950-2002 with predictions to 2015

www.ncri.ie/newsletter/pdf/Feb-2007.pdf

Cancer in the Mid West September 2006 3. Women and cancer in Ireland 1994–2002— a joint report with the Women's Health Council This report describes cancer for cancer mortality up to 2015 for the 14 commonest cancers, giving the expected number ... ireland

2015 (projection) | The National Cancer Registry, Ireland – 24 more results from this site usu



### 5.9.3. Breast cancer mortality, females, 2000-2009 (or nearest year)

www.oecd.org/dataoecd/32/37/49081709.xls

5.9.3. Breast cancer mortality, females, 2000-2009 (or nearest year) ...

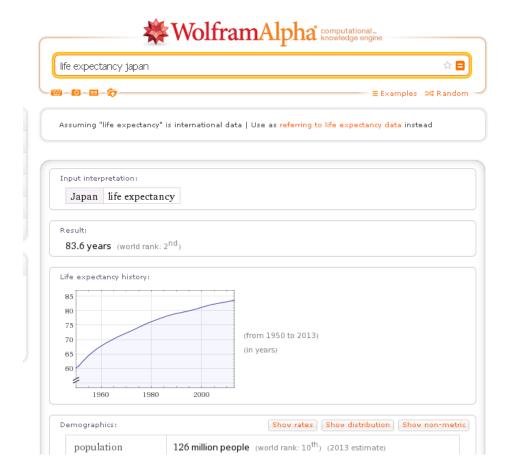
Netherlands, Israel, Hungary, Ireland, Denmark

Sep 2011 | Organisation for Economic Co-operation and Development - 2 more results from this site URL

# Wolfram|Alpha www.wolframalpha.com/

Computational search engine

 On results page check
 Interpretation,
 Sources and
 Definitions





# Databases and datasets e.g. Databib <a href="http://databib.org/">http://databib.org/</a>



Search chemistry	F	Find	ı
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Search results for: chemistry Total number of results: 24

## National Atmospheric Chemistry Database

The purpose of the National Atmospheric Chemistry (NAtChem) database

## Atmospheric Science Data Center (ASDC)

The Atmospheric Science Data Center (ASDC) at NASA Langley Research C

### ChemxSeer

ChemxSeer provides access to data related to the study of chemistry and

### National Atmospheric Deposition Program (NADP)

The NADP monitors precipitation chemistry from numerous sites around th

### Chemical Effects in Biological Systems (CEBS)

The Chemical Effects in Biological Systems (CEBS) database houses data o



# Discipline-Specific Data Portals

- http://libguides.calpoly.edu/content.php?pid=277668&sid=2288020
- http://www.lib.uts.edu.au/research/data-archives
- http://www.researchpipeline.com/mediawiki/index.php?title=Main Page

Climate

#### Your Guide to the World's Free Online Data

- These links pretty much summarize all the data/software/journals/resources.
- · To see only the datasets : Category:Datasets.

· SuperCOSMOS Sky Surveys SSS

· NASA Extragalactic Database NED

ADS Astronomy Query Form
 DUBLIN

#### **Astronomical Datasets** Bioinformatics · US Naval Oceanography Portal ModENCODE · Strasbourg astronomical Data Center MEGA · Bellerophon server · International Virtual Observatory Alliance Wise2 · Software from STScI · LEDA Database for physics of galaxies SPICE · MAST Digitized Sky Survey DSS Rfam · Chandra data archive Ensembl AstroGrid · European Bioinformatics Institute Dynamite · Google's links to astronomical data archives · Centre de Données astronomiques de Strasbourg AceDB · Sanger institute · Hubble Telescope European Homepage · National Astronomy and Ionosphere Center Est db · NASA/IPAC Infrared Science Archive EMBOSS DECIPHER National Virtual Observatory BioPerl XMM-Newton Survey Science Centre · Swift science center · Sanger Institute's ACT DnaSP · Rossi X-ray Timing Explorer · MIT X-Ray Timing Explorer Project · Xia's Software · SkyView Virtual Observatory Biology NRAO VLA Sky Survey · Image Resources at NSSDC · Journal of Insect Science · Lunar and Planetary Science at NSSDC · SCAR-MarBIN data portal · Heliophysics at NSSDC NCBI Bookshelf · Astrophysics at NSSDC ArXiv National Space Science Data Center · Small Bodies Data Archives Life Sciences · PDS Asteroid and Dust Archive

· Sanger institute

SPICE

#### Earth Data · Centre for Ecology and Hydrology India Water Portal · Carbon Sequestration Atlas USGS EarthExplorer · Analytical Graphics GeoBase · National Geophysical Data Center · National Archive of Datasets · Marble global dataset · Goddard Institute for Space Studies (GISS) · Antarctic Map Catalogue · Antarctic Digital Database The Antarctic Master Directory Scientific Committee on Antarctic Research · Global Historical Climatology Network · Satellite Geodesy HSGS Water USGS Geology USGS Historical Elevation Data · USGS Seamless Server US Geological Survey . USGS Center for LIDAR · British Atmospheric Data Centre National Climatic Data Center · National Solar Radiation Data Base · National Renewable Energy Laboratory · Central England temperature

#### Crunchbase Finder! · Statistics New Zealand · Wisconsin Longitudinal Study · PostYour.info . Equity in Athletics Data · Emergency Events Database Data dov · Governance of the California Current Large Marine Ecosystems · Council of European Social Science Data Archives · Organization for Economic Co-operation and Development · United Nations Economic Comission for Europe UNdata Irish Social Science Data Archive Governments · Open Kenya · CIRI Human Rights Data Project · Statistics New Zealand · Australian Government data.gov.au · Sunlight Foundation's Party Time · Centre for Ecology and Hydrology UK Department for International Development · US States Data

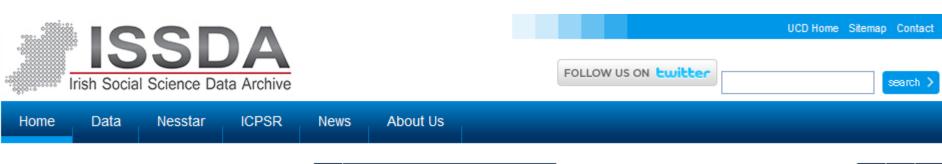
Social Data

· US Census Bureau

UK Data Archive

· Vancouver's Open Data Catalogue

# Irish Social Science Data Archive: ISSDA <a href="www.ucd.ie/issda">www.ucd.ie/issda</a>



### Irish Social Science Data Archive

The Irish Social Science Data Archive (ISSDA) is Ireland's leading centre for quantitative data acquisition, preservation, and dissemination. Based at <u>UCD Library</u>, its mission is to ensure wide access to quantitative datasets in the social sciences, and to advance the promotion of international comparative studies of the Irish economy and Irish society.







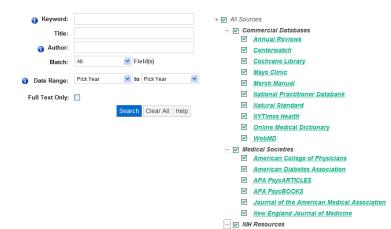
News IQDA Accessing Data



# Discipline-specific search engines / portals

- Deep WebTechnologies
  - Mednar.com
  - Biznar.com
  - Scienceresearch.com

- JURN <u>www.jurn.org</u>
  - Index to 4,500+ free ejournals in the artshumanities.









# Portal/Gateway Sites

- Infomine
  - http://infomine.ucr.e
    du/
    - Scholarly Internet resource collections

 Evaluated subject listings – people not robots

 Get to the deep web through links to e.g. databases (where you need to perform a 2<sup>nd</sup> stage search)

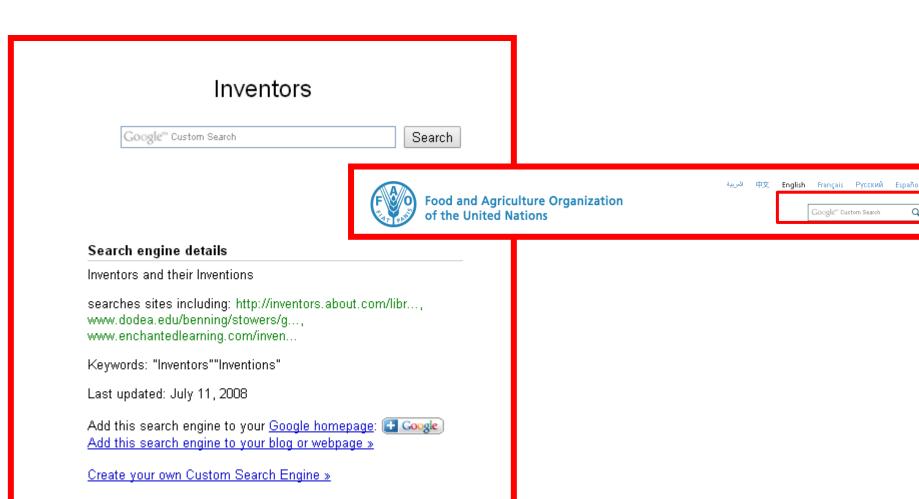


# **Custom Search Engines**

Let users construct their own
 specialised search engines made up
 of an individual's own selected sites.
 Any searches will then return results
 from just those sites.

 Organisations are increasingly using custom search engines to select the websites they'd like to include in their search index.

# Google Custom Search Engines www.google.com/cse/



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# Economics Search Engine

- http://ese.rfe.org/
  - Searches the contents of approx 23,000 economics web sites
  - Put together by an economics lecturer

## Kritikos

- https://kritikos.liv.ac.uk/
  - CSE techniques in conjunction with Learningregistry.org
  - Results presented visually by media type



## Locating Relevant Resources

- Add "type" to Google search
  - "public health" ireland OR irish database OR dataset
  - Archaeology Ireland OR irish database
  - Architecture ireland OR irish database
  - history irish OR ireland archive
  - zoology portal OR directory OR "search engine"
  - Science "search engine"
  - Music "public domain"

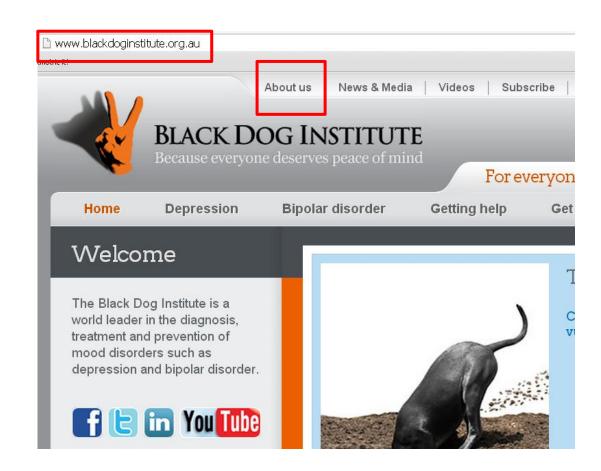


# **Evaluating Websites: WHO?**

 Who is responsible for the site?

Affiliation?

What can be gleaned from the URL?



# **Evaluating Websites: WHAT?**

- What is the purpose of the site?
- What is its bias?
- Does it give alternative views on a IWEA topic?
- Facts or opinions?



Search





**EVENTS** 



## **IWEA ANNUAL CONFERENCE 2014**

Wind Energy

The Irish Wind Energy Association The national association for the wind industry in Ireland

Wind Energy Ocean Health & Learn More

Welcome to the website of the Irish Wind Energy Association

Learn More Information On Past/Future Wind

IWEA is the national association for the wind industry in Ireland. This website is a resource for IWEA members and others interested in the promotion of wind energy in Ireland. IWEA is committed to education and awareness building to promote the use of a sustainable energy system in Ireland and thus contribute to a cleaner environment with the benefits of non fossil fuels



## **Evaluating Websites: WHAT?**

www.martinlutherking.org

tric it! Martin Luther King, Jr. A True Historical Examination Essays, Sermons, Speeches & More That night King retired Who He Fought and Fought For to his room at the Willard Hotel. There Death of the Dream FBI bugs reportedly The Day King Was Shot picked up 14 hours of party chatter, the The King Holiday
Bring the Dream to Life clinking of glasses and the sounds of illicit sex Civil Rights Library
History of People and Events - including King's cries of "I'm f-ing for God" and "I'm not a Negro Jews & Civil Rights tonight!" Who Led The Civil Rights Movement

- What is its content?
- How accurate is it?
- Does the site include references to the information that is used on the site?
- Is it reliable?

## **Evaluating Websites: WHEN?**



## **Computer Science Conference Rankings**

Disclaimer: The rankings below are for the most prestigious category of paper at a given conference (i.e. mainly the refereed full paper track). They are based on general reputation of the conference in the field, the citation of the papers published in the conference, reputation of program committee members and reputation of the review process. It is not based on scientific measurements and thus can be controversial. While debatable, this ranking could change in time. New conferences are typically ranked in the third tier. Top conferences are known for their impact history and their rigorous review process. They should be equivalent, if not superior in impact and prestige, to reputable journals. Workshops and new (or unknown) conferences are not ranked.

## Field Legend

DB: Databases

DM: Data Mining

AI: Artificial Inteligence

NL: Natural Language Processing

ED: Computer Education

IR: Information Retrieval

W3: Web and Information Systems

DP: Distributed and Parallel Computing

Maintained by: Osmar R. Zaïane <zaiane@cs.ualberta.ca>

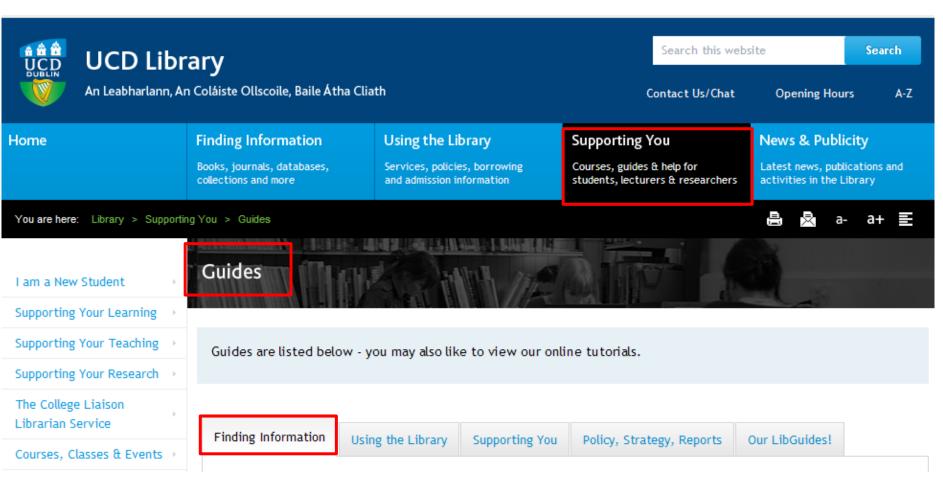
5 PageRank

Last modified: October 12, 2011

URL: https://webdocs.cs.ualberta.ca/~zaiane/htmldocs/ConfRanking.html



## Presentation





## Feedback

# http://goo.gl/4BE YAb

Make sure when you are typing the url in that you capitalise what needs to be capitalised.

