Corpus and software resources *available at Lancaster*

Andrew Hardie & Paul Rayson

UCREL CRS Introductory Talk
Michaelmas term, week 1

Today's outline

- A brief introduction to:
  - corpus resources
  - UCREL research centre
- Two software demonstrations:
  - CQPweb
  - Wmatrix

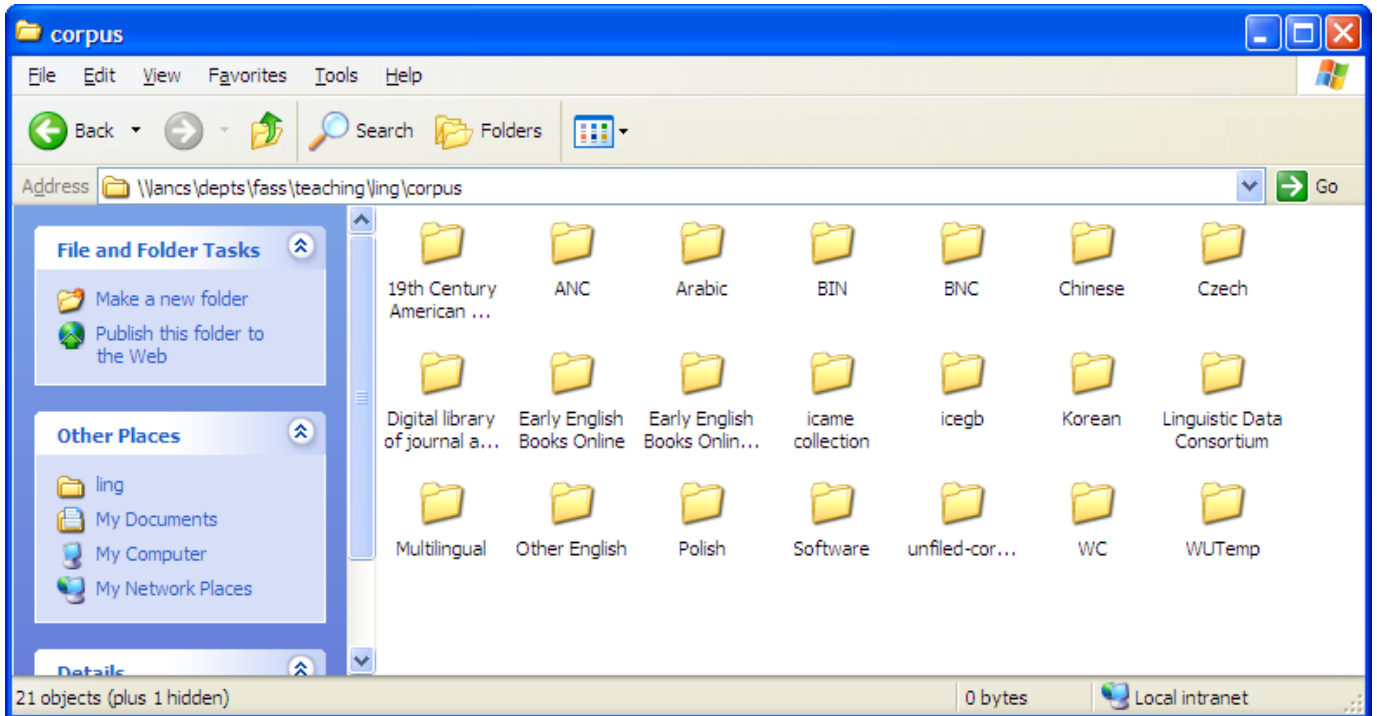
Corpus resources

\\lancs\depts\fass\teaching\ling\corpus

smb://username@depts.lancs.ac.uk/fass-teaching/ling/corpus

- Mapped as network drive in Linguistics labs

http://corpora.lancs.ac.uk/shareview



Corpus resources (2)

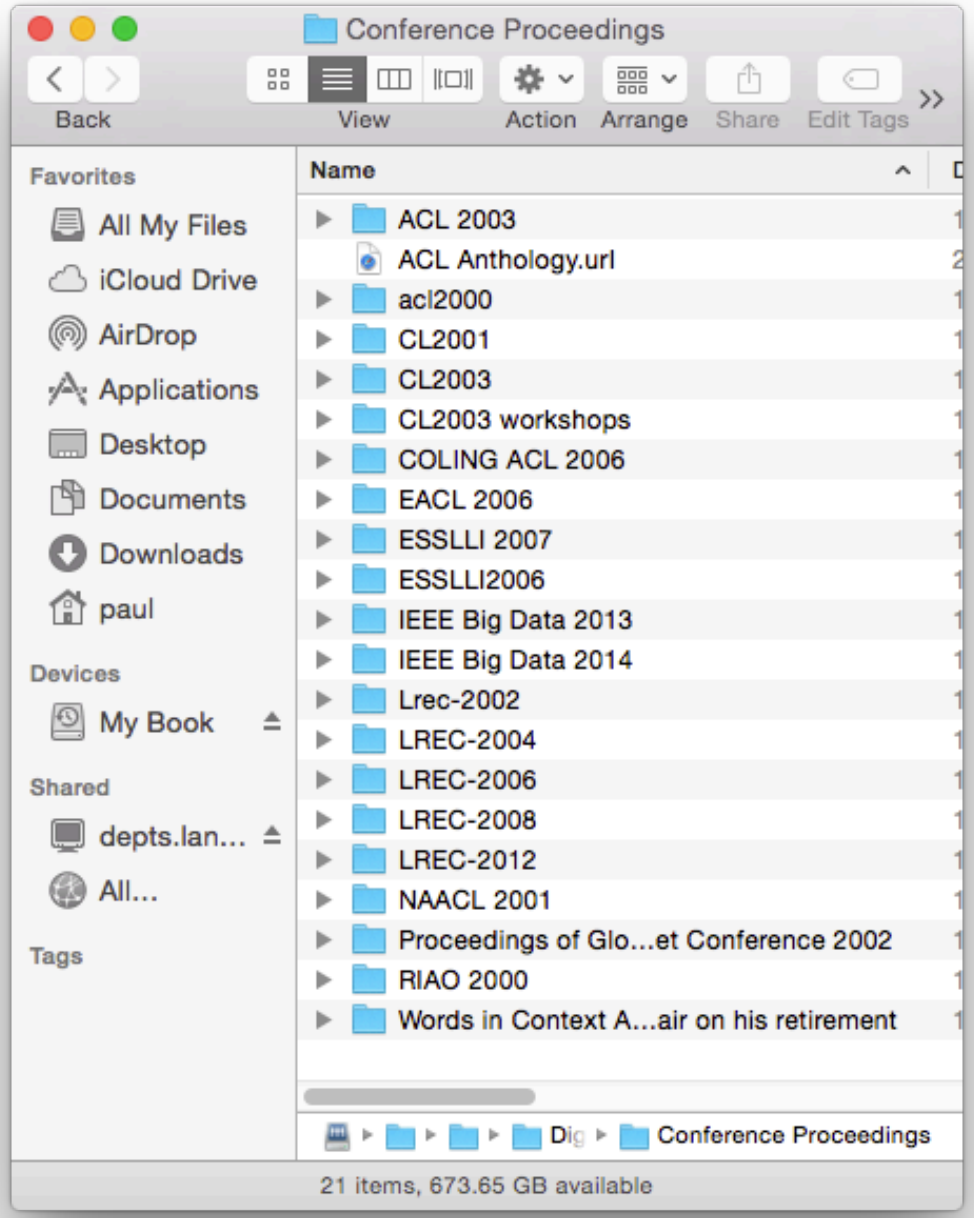
- Linguistic Data Consortium
  - http://www.ldc.upenn.edu/
  - Membership years: 2003, 2004, 2007, 2008
- ICAME collection (2nd edition)
  - http://icame.uib.no/cd/
- Bank of English (contact Paul Thompson)
  - http://www.cqpweb.bham.ac.uk/
- Archer corpus (contact Paul Rayson)
  - multi-genre corpus of British and American English covering the period 1650-1999
  - also on CQPweb

Corpus resources (3)

- Early English Books Online (EEBO-TCP)
  - 1.2 billion words 1473-1700
- UK Hansard
  - 2 billion words, 7 million speeches, 1803-2003
- ~15K Annual Financial Reports, press releases & media articles, conference calls
- Text reuse corpora
  - English-Urdu news, Urdu PA & newspapers
- Twitter dataset(s)
  - See FireAnt software

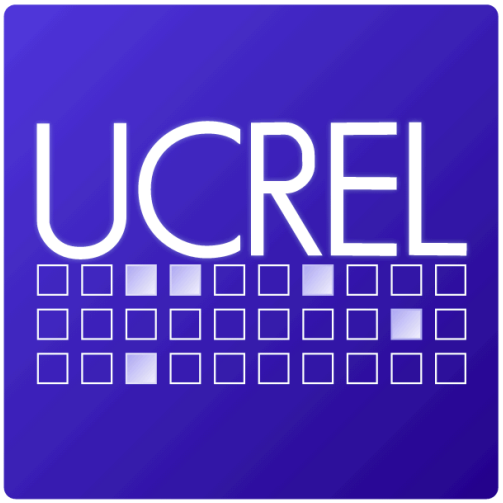
Digital library

- Conference proceedings
- Corpora Journal



University Centre for Computer Corpus Research on Language

- http://ucrel.lancs.ac.uk/
  - Members
  - Projects
  - Bookshelf
  - Publications list
  - Corpora
- Mailing list
  - http://ulthar.comp.lancs.ac.uk/cgi-bin/mailman/listinfo/ucrel
  - (also: link from UCREL homepage)



Software (1)

- http://ucrel.lancs.ac.uk/tools.html
- BNCweb (web based software tied to BNC)
- CQPweb (web based software – multiple corpora)
- BNC Web Index
- LL calculator (Log likelihood)
- Wmatrix (web based corpus analysis and comparison)
- http://corpora.lancs.ac.uk
  - Significance test system
  - Clustertool
  - DICER variant analysis
  - #LancsBox (incl. *GraphColl*)
  - TreeTagger
  - New General Service List

Software (2)

- CLAWS part of speech tagger (English)
- USAS semantic tagger
  - Originally English only
  - Now beta versions for Chinese, Dutch, Italian, Portuguese, Spanish ...
  - Coming soon: Swedish and Welsh
- Historical Thesaurus Semantic Tagger
  - http://phlox.lancs.ac.uk/ucrel/semtagger/english
- CFIE Wmatrix-import tool
  - PDF to text and structure extraction
  - Metrics, readability and word list counting
  - http://ucrel.lancs.ac.uk/cfie/
- VARD (Variant spelling detector)
  - EmodE historical corpora
  - SMS, Twitter & other online social media
  - http://ucrel.lancs.ac.uk/vard/about/

Software (3)

- LWAC (Longitudinal Web As Corpus)
- Geoparser and SHPPS
- Measuring Text Reuse
- Collocation Network Explorer (CONE)
- GraphColl
- Fast and memory efficient n-gram tool (Lgram)
- Netapps (\\lancs\depts\fass\teaching\ling\netapps)
  - AntConc (Free Concordancer by Laurence Anthony)
  - ICECUP (For ICE corpora)
  - WordSmith (Mike Scott)

Linux Virtual Servers

- stig.lancs.ac.uk
  - Hosts Wmatrix (and the UCREL website)
  - (managed by Paul)
- leech.lancs.ac.uk
  - http://bncweb.lancs.ac.uk
  - http://cqpweb.lancs.ac.uk
  - http://corpora.lancs.ac.uk
  - (managed by Andrew)
- Perl, PHP, MySQL; CWB/CQP; UCREL tools
- Research cluster for Hadoop and VMs
  - (managed by Paul, Steve, Alistair, Andrew and Matt)
- GitLab (internal/private projects): https://delta.lancs.ac.uk/
- GitHub (external/public projects): https://github.com/UCREL