

VOSviewer

A Computer Program for Bibliometric Mapping

Nees Jan van Eck and Ludo Waltman

Centre for Science and Technology Studies, Leiden University, The Netherlands

Econometric Institute, Erasmus School of Economics, Erasmus University Rotterdam, The Netherlands

{ecknjpvan,waltmanlr}@cwts.leidenuniv.nl

12th International Conference on Scientometrics and Informetrics

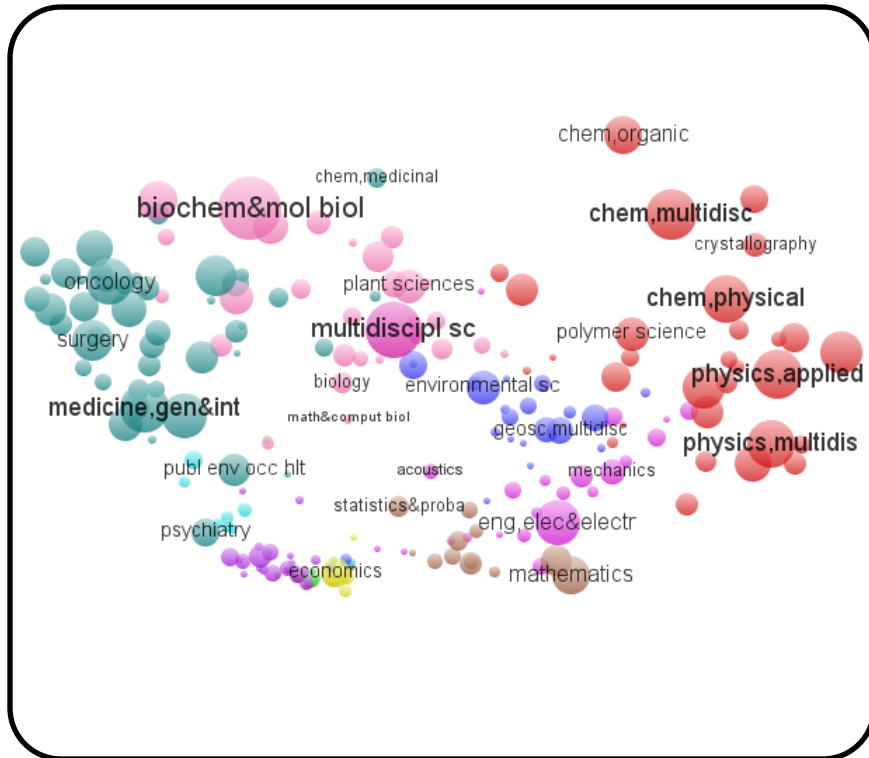
Rio de Janeiro, Brazil, July 14-17, 2009



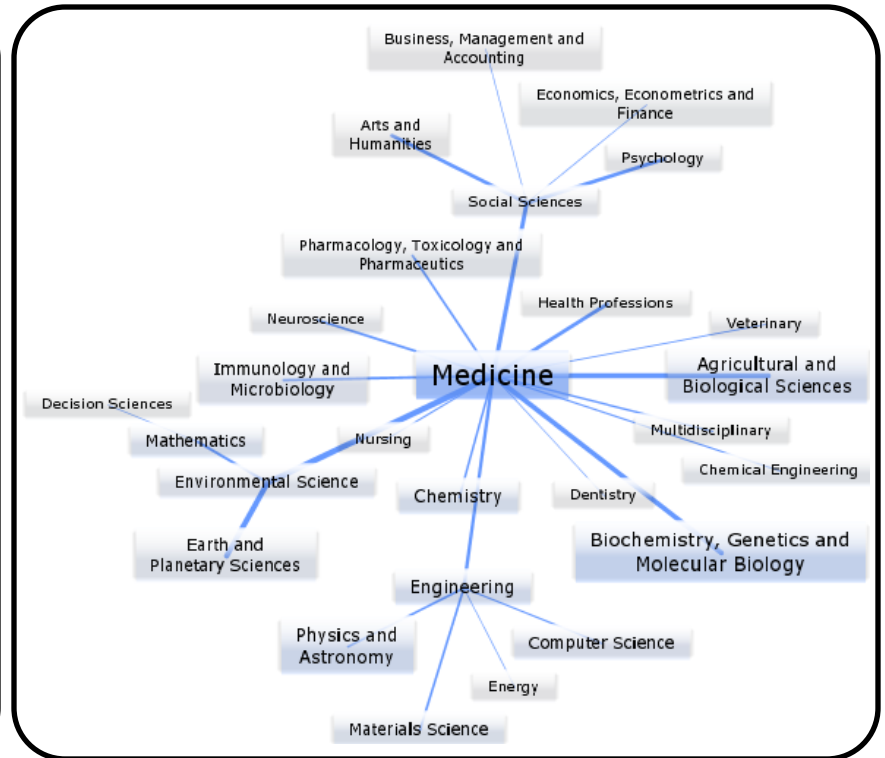
Universiteit Leiden
The Netherlands



Types of bibliometric maps



distance-based map



graph-based map



VOSviewer

1. Tool for constructing bibliometric maps
 - uses VOS mapping technique for constructing distance-based maps based on co-occurrence data
2. Viewer for examining maps in full detail
 - can show a map in various different ways
 - offers functionality such as zooming, scrolling, and searching



VOSviewer demonstrations

- Term (co-word) map
 - Operations Research
 - 831 terms
- Author/institute co-citation map
 - Chemistry
 - 349 top authors
- Journal co-citation map
 - 5000 major journals



VOSviewer website

www.vosviewer.com

- Use this website to:
 - download VOSviewer
 - run VOSviewer directly
 - find more information on the
 - functionality
 - technical implementation
 - view applications to some example data sets

