

# Advanced Research Methods and Skills – 2

## Introduction

Edzer J. Pebesma

`edzer.pebesma@uni-muenster.de`  
Institute for Geoinformatics (**ifgi**)  
University of Münster

April 21, 2010



# Reviewing

Role: equal or supervisor/student?

- ▶ co-authoring a paper, or research proposal
- ▶ anonymous peer reviewing, authors also anonymous?
- ▶ supervisor-student
- ▶ ...
- ▶ try to formulate your doubts as questions.

# Literature review

## Sources:

- ▶ paper libraries (books, journals, proceedings, theses)
- ▶ digital libraries
- ▶ on-line books, journals or proceedings (peer reviewed?)
- ▶ other online sources (peer reviewed?)

## Reference list and in-line referencing:

- ▶ look up how this is done usually!
- ▶ Journals and proceedings will prescribe a style
- ▶ choose a style, and stick to it.

Paper: Author(s), year, title, journal, volume (issue), pages (no URL)

Book: Author(s), year, title, publisher, country (no URL)

Online: Author(s) (?), year (?), title, URL, accessing date.

Different list: Websites.

## How to find relevant literature?

There are no principles here, there is only success (or the lack of):

- ▶ Start with exhaustive search in the last x years of the relevant journals and conferences.
- ▶ Search on keywords and titles; quick-scan abstracts
- ▶ Where? Libraries, internet, Scholar.google.com
- ▶ From relevant references, look up relevant literature they refer to (this only looks back in time, min. 2 years)
- ▶ Use scopus or ISI to find out which papers referred to this article! (the information whether a paper is much referred to is also relevant)
- ▶ other online sources (peer reviewed?)