

# Course: Project Management and Research Methodologies

## Homework 2: Evaluation of Systematic Literature Reviews

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**Issued:** Wednesday, 23/10/2025

**Due:** Monday, 3/11/2025

### Description

In the relevant folder of eClass, several recently published Systematic Literature Reviews (SLRs) have been uploaded.

### Objective

The objective of the Homework is manifold:

- i. Get an understanding of the proper way in doing a Systematic Literature Review (SLR) in a CS topic.
- ii. Develop your critical ability to evaluate if a SLR is properly done, and if they are not what are the main deficiencies.
- iii. Acquaint yourselves with the requirements of a properly structured and performed SLR

### TO DO

A. Select any four (4) of these SLRs and study them carefully.

**NOTE:** I do not want you to study and focus on the scientific topic that they report on. Rather, I want you to focus on the methodological approach and the way they have performed the work and have structured the report.

B. Write a brief note evaluating the quality of the LR, taking into consideration what we have discussed in class. Specifically, your report (1-2 pages, 1,5 lines spacing) identifying for each systematic review with clarity:

- ✓ **The review protocol** (that specifies the research question being addressed).
- ✓ **The search strategy** that aims to detect as much of the relevant literature as possible.

C. Conclude by commenting on the main differences between LRs and SLRs, based on the observations from the ones that you have studied.

D. Also, select one of the SLRs and try to reproduce the search that it describes. Comment on the results you have obtained.

E. Prepare a short PowerPoint presentation and be prepared to present and discuss the key aspects of your Homework.

## Formatting

The usual styling and formatting guidelines for your written work apply for this Homework as well.

Specifically, your report should not exceed 4 pages of *12-point type Times New Roman or Calibri font or Arial 11-point type and 1,5 line spacing* with the following *page margins: Top and Bottom = 2,5 cm, Left and right = 2,5 cm.*

You should upload **one pdf file** and one **PowerPoint presentation** (a few slides that include the key elements of your work) before the next Lecture, so that you may present your findings during the lecture next week.