THE STATE OF ART REGARDING SCIENTISTS, OUTREACH AND EVOLUTION: A SYSTEMATIC LITERATURE REVIEW DESIGN
Scientists play a crucial role in the outreach activities and in the shape of the science-society relation over time. Nevertheless, there are some barriers that are holding scientists back from participating more actively in outreach initiatives, namely in the Evolution field. Taking this into account, the COST Action “Building on scientific literacy in evolution towards scientifically responsible Europeans – EuroScitizen (CA17127) has dedicated one of its Working Groups to Scientists, which is focused on ensuring efficient researchers’ engagement in outreach and in evolution in particular. In order to achieve this goal, there is an ongoing systematic literature review in progress which aims to identify the ways in which researchers can be involved in outreach and to enable the development of a set of good practices that improve science and evolution literacy. The Review Protocol Design is presented and its role in enhance of the quality, replicability, reliability, and validity of these reviews is stressed.
Scientists are at Outreach's heart, playing a crucial role in the public acceptance of Science.

Scientists’ involvement in outreach seems to be expected by society and it is one of the things most valued by the public.

Scientists’ involvement in outreach activities contribute greatly to shape the science-society relation. Scientists have a main role in the appropriate development of this relationship. Benefits for both scientists and society.
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EUROSCITIZEN

EuroScitizen (CA17127) is an EU funded COST Action, a research network which aims to identify targeted strategies that will raise levels of scientific literacy in Europe using evolution as a model.

www.euroscitizen.eu
## Steps of the Review Protocol

### Planning the Review

1. Formulate the Problem
2. Develop and Validate the Review Protocol

### Conducting the Review

3. Search the Literature
4. Screen for Inclusion
5. Assess Quality
6. Extracting Data
7. Analyzing and Synthesizing Data

### Reporting the Review

8. Report Findings

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**Xiao & Watson, 2019**

**Fornari et al., 2019**
Conducting the Review

05

- **Search the literature/Selection of Documents**
  - Literature sources
  - Keywords
  - Sampling Strategy
  - Additional restrictions

- **Screen for inclusion; Assess quality / evaluation of the quality and relevance of the documents**
  - Criteria for inclusion/exclusion
  - Screening procedure

- **Assess quality / evaluation of the quality and relevance of the documents**
  - Quality assessment procedure

- **Extracting Data/ Data processing**
  - Coding
THE STATE OF ART REGARDING SCIENTISTS, OUTREACH AND EVOLUTION: A SYSTEMATIC LITERATURE REVIEW DESIGN

FURTHER STEPS

06

Moher et al., 2009
07


- J.D. Williams, How to Read and Understand Educational Research. London: Sage, 2020