# Search Queries:

**Web of Science Search:**

* Conducted on: 23.03.2018, 11:30
* Search term: TOPIC: ((meta-analys\* OR meta-regression\*) AND ecolog\*)
* Filters: Timespan: All years. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC.
* Results: 1,744 entries

**Google Scholar Search:**

* Conducted on: 23.03.2018, 11:40
* Sear term: (meta-analys\* OR meta-regression\*) AND ecolog\*
* Results: we extracted the first 980 entries

# These searches yielded 2.626 entries that were screened for the following

# Inclusion criteria:

# the research field was ecology (excluding medical, social, financial and ecosystem service studies),

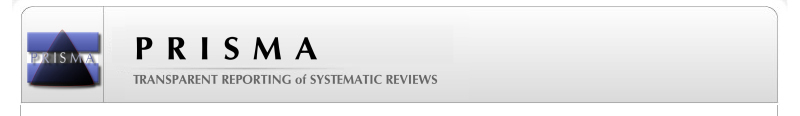
# the authors conducted an original meta-analysis that was based on summary statistics from previous publications (excluding theoretical, methodological, commentary, raw data analysis and update studies),

# quantified effect sizes as either response ratios, mean differences or correlation coefficients and

# could or should have applied a weighting scheme to summarize those effect sizes (excluding, for instance, meta-analyses that summarized responses of different species that cannot be weighted)

# Data extracted

* ID
* Publication Date
* Type of effect sizes
  + response ratios
  + mean differences
  + correlation coefficients
* Did they encounter missing variance or sample size information in primary studies
  + Yes (variance or sample size?)
  + Stated that they included only completely reported studies
  + No
  + NA
* If data is missing, what percentage is missing in?
  + Primary studies
  + Effect sizes
  + NA
* How did they handle missing variance or sample size?
  + Complete-case analysis
  + Imputation
  + Unweighted analysis
  + Multiple imputation of missing values
  + NA

**PRISMA 2009 Flow Diagram**

Additional records identified through other sources  
(n = 0)

Records identified through database searching  
(n = 2,626)

## Identification

## Screening

## Eligibility

Records and full-text articles excluded with reasons  
(n = 2,053)

Records after duplicates and inaccessible were removed  
(n = 2,558)

## Included

Studies included in the literature survey   
(n = 505)

*From:*  Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). *P*referred *R*eporting *I*tems for *S*ystematic Reviews and *M*eta-*A*nalyses: The PRISMA Statement. PLoS Med 6(7): e1000097. doi:10.1371/journal.pmed1000097

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