

## **Training session**

### **CADIMA: An open-access online tool facilitating the evidence synthesis process**

April 24th

#### **Introduction**

Due to the complexity of the systematic review process and the need for its thorough documentation, the Julius Kühn-Institut (JKI) and the Collaboration for Environmental Evidence (CEE) identified the need for the establishment of online tools that facilitate and guide review teams through the evidence synthesis process.

In this session, the free supportive internet tools provided by the web portal CADIMA, [www.cadima.info](http://www.cadima.info) -> Evidence synthesis tool, will be introduced and its functionality will be illustrated by practical examples: starting from the development of the protocol, the identification and selection of eligible studies, their critical appraisal, the extraction of data, and the presentation of evidence synthesis results.

CADIMA facilitates the evidence synthesis process by

- mirroring each core step of a systematic review
- supporting the cooperation between review team members
- easing steps with a considerable workload
- guaranteeing for a thorough documentation of the review process

#### **Workshop format**

The format of the session will include presentations and an online demonstration of the functionality of the database. The sessions will be chaired by Ralf Wilhelm, Julius Kühn-Institut, Germany and presentations will be provided by Christian Kohl and N.N., Julius Kühn-Institut, Germany.

Key issues that will be addressed are

- Registration of a systematic review in CADIMA and the elaboration of a review protocol
- Assessment of reviewers' agreement at title/abstract stage
- Assessment of study relevance and critical appraisal by multiple reviewer team members (independent from each other or by manual allocation of search results)
- Parallel data extraction (on- and offline) by multiple review team members following an independent or sequential extraction mode
- Documentation of the review process as provided by CADIMA
  - results from the literature search
  - results from the kappa test
  - a flow diagram depicting the selection process
  - a list of applied selection and critical appraisal criteria and the respective results
  - a compiled version of the data extraction sheet