

## Topic 1 - Environmental risks and health

### PO-013 - (EEF2019-13792) - ECOSYSTEM SERVICES RESEARCH IN PORTUGAL – ARE WE ON THE RIGHT TRACK?

Felipe Campos (Portugal)<sup>1</sup>; João David (Portugal)<sup>1</sup>; Pedro Cabral (Portugal)<sup>1</sup>

1 - NOVA Information Management School (NOVA IMS), Universidade Nova de Lisboa, Campus de Campolide, 1070-312 Lisboa, Portugal

#### Abstract Summary

##### Objectives

A detailed overview of ecosystem services studies can be very useful for evaluating the knowledge status of a wide range of ecological benefits for human well-being. Given the increasing research attention in the recent years, we aimed to assess the scientific contribution of ecosystem services research in Portugal, using a systematic review approach.

##### Methods

We applied research attention indexes from three global scientific databases (Web of Science, Scopus and Wiley Online Library). We selected papers including the terms "Ecosystem Services" and "Portugal" in their title, abstract or keywords. For each study, we identified the year of publication, the authors' nationalities and the research topics. We calculated the number of published papers by the number of subject areas from each region, following the Portuguese nomenclature of territorial units for statistics (NUTS).

##### Results

We found 136 papers published between 2005 to 2019 from over 30 country affiliations. The attention indexes showed that Environmental Science was the subject area with most of the research attention (~70%). We mapped many spatial differences in the allocation of research efforts among land-use covers, ecosystem service categories and geographic regions, highlighting the main scientific gaps for further studies on ecosystem services in Portugal.

##### Conclusions

According to peer-reviewed literature, our findings introduce the current knowledge status on the ecosystem services studies in Portugal. New efforts for framing ecosystem-based approaches with stakeholders' participation are key to support conservation policies at regional and national scales.

##### Acknowledgements

ASEBIO – Assessment of Ecosystem Services and Biodiversity in Portugal, Portuguese Science Foundation, PTDC/CTA-AMB/28438/2017.

**Palavras-chave :** Ecosystem services, Geographical Information Systems, peer-reviewed literature, attention indexes, research trends