

Systematic review on the social-ecological impacts of urbanization on agricultural systems

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Fig. 1 Urbanization in Bangalore (Photo by A. Buerkert on 1 September, 2018)

3. Conceptual Framework

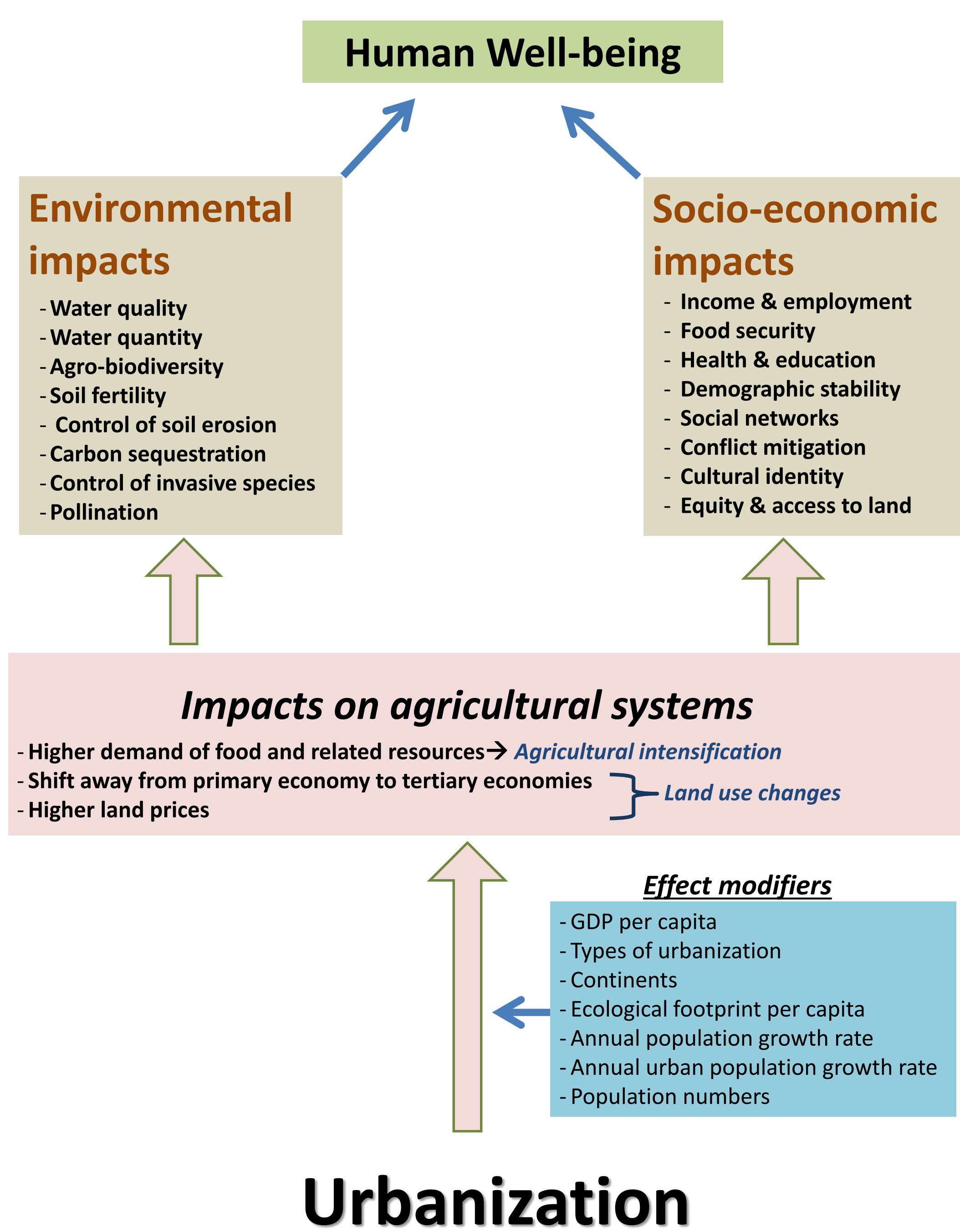


Fig. 2 The conceptual framework of the social-ecological impacts of urbanization on agricultural systems

4. Methodology

- Follows Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) Standards
- Geographic focus: Global

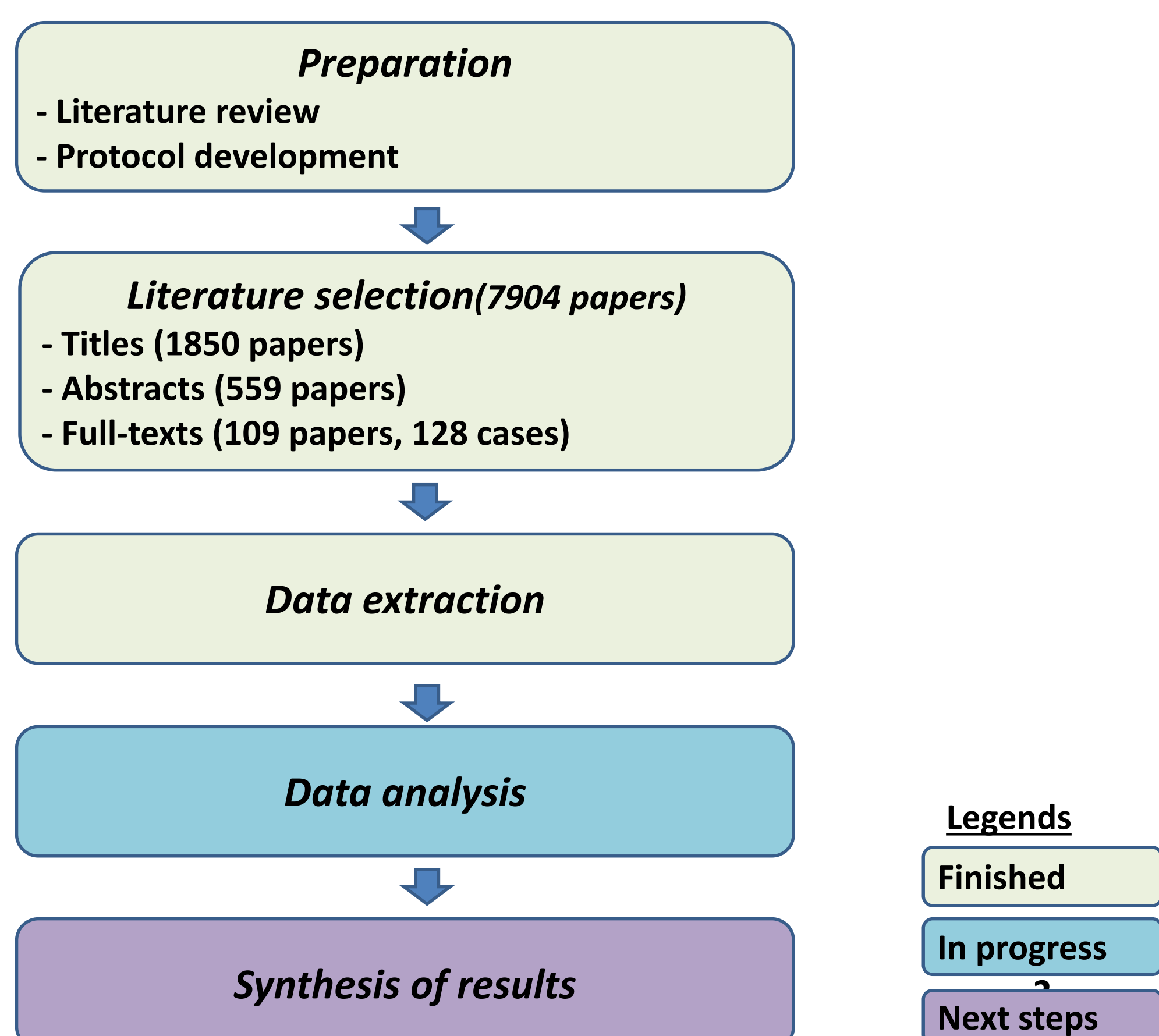


Fig. 3 Steps of the systematic review (to be) followed

1. Introduction

- Urban expansion often occurs at the cost of productive crop land
- It causes significant changes in land use and land cover
- It influences capacity of the ecosystem services within the agricultural systems and ultimately of food production

2. Objectives

- To identify the positive and the negative impacts of urbanization on environmental variables
- To explore the positive and the negative impacts of urbanization on variables related to farmers' socio-economic situation
- To analyze how urbanization impacts are mediated by effects modifiers (e.g. ecological footprint per capita)

5. Results

i) Distribution of the impacts in case study sites

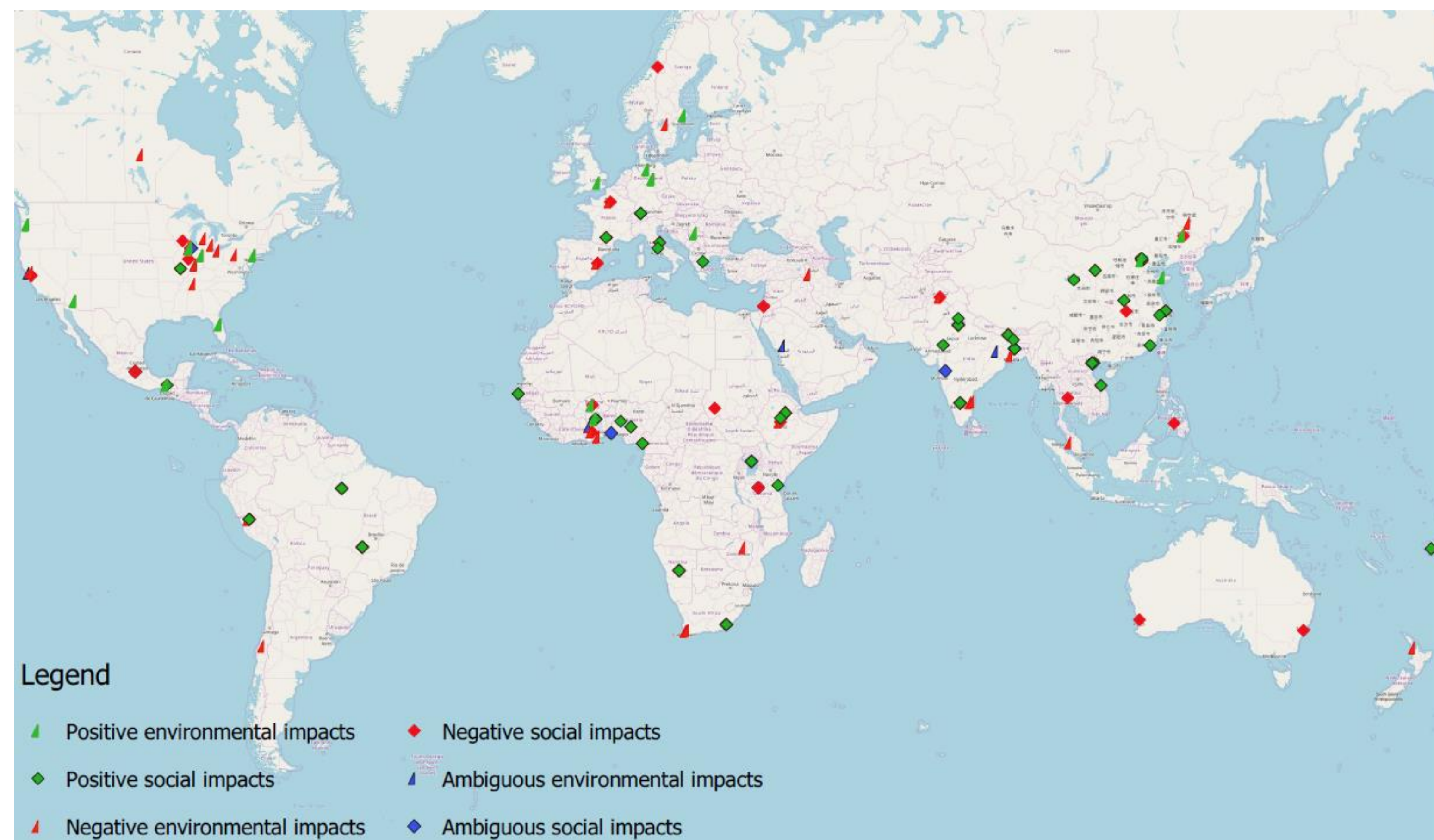


Fig. 4 Global distribution of the social-ecological impacts of urbanization

ii) Number of the impacts per outcome variables

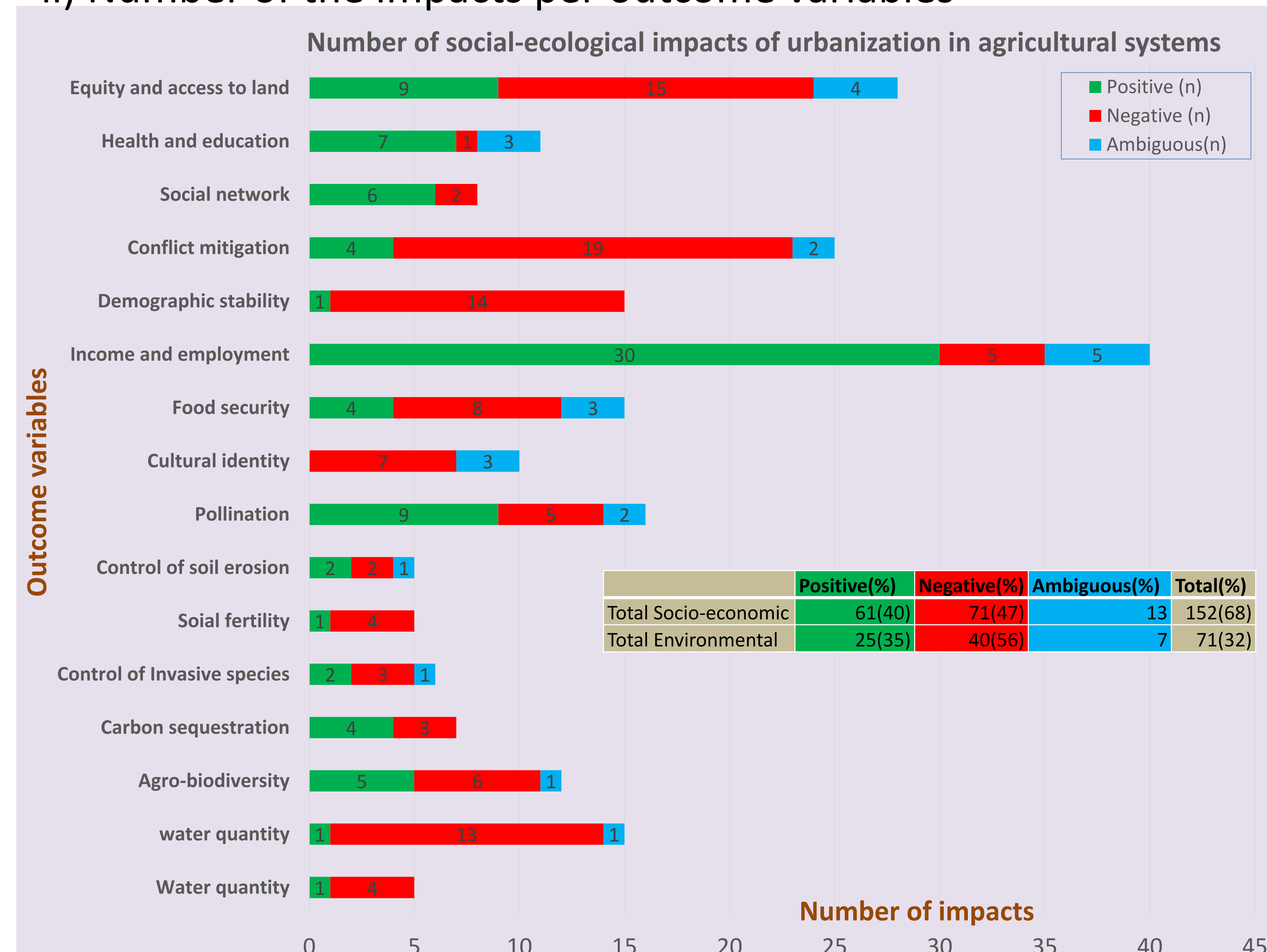


Fig. 5 Summary of the social-ecological impacts of urbanization in agricultural systems

6. Conclusions

- More studies conducted in the global south than in the global north
- More studies report negative impacts than positive ones

