



World Forum on  
Urban Forests  
Mantova 2018

*PS 1.3 The Past- Changing Spaces and Places*

# A systematic review of urban forest and green space related research in the Mediterranean

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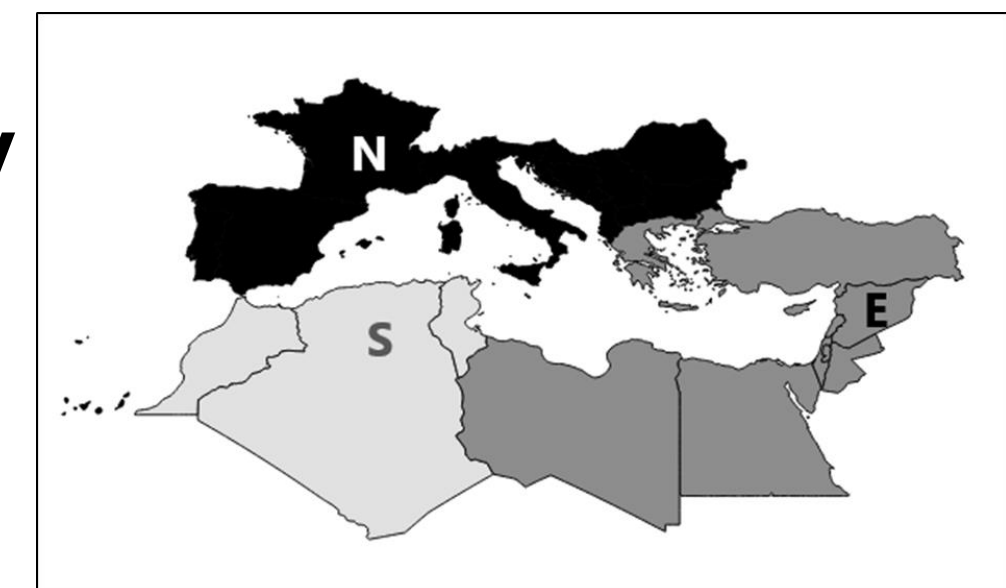
Andrej Verlič, Slovenian Forestry Institute/SNAGA





# The Mediterrean in numbers

- 6.5% of land mass
- 7.7% of global population
- 13.5% of global GDP
- 32% of international tourism
- 60% of people living in water-poor countries globally
- 7.7% of CO2 emissions



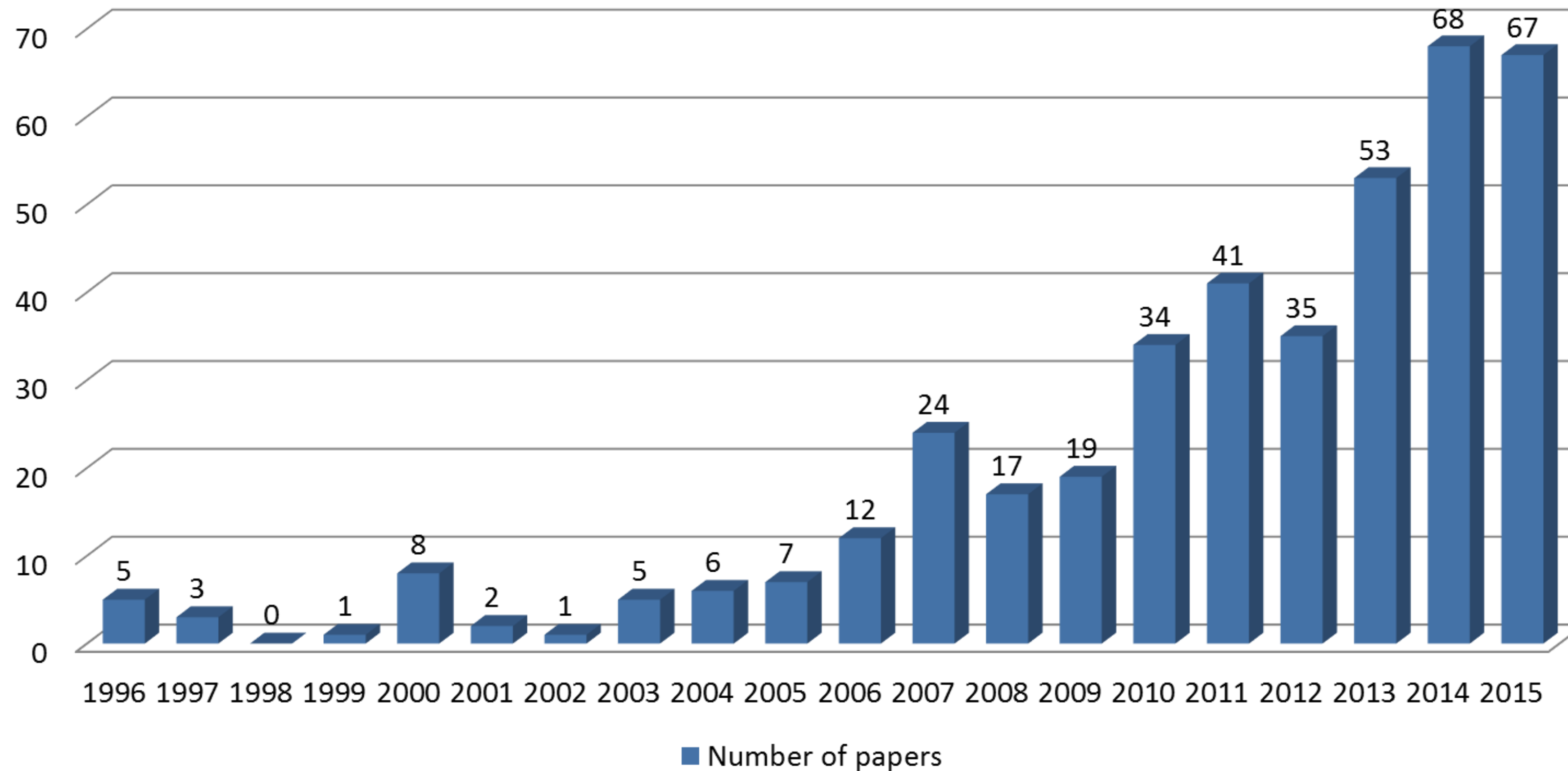


# Scopus search

- ‘urban forest\*’, ‘urban woodland’, ‘green space’, ‘periurban forest’, ‘urban tree’, ‘urban green area’, ‘green infrastructure’, ‘urban landscape’, ‘urban park’, ‘historical park’, ‘urban ecology’, ‘policy’, ‘governance’, ‘green space branding’, ‘management’, ‘benefit’, ‘climate change’, ‘public participation’, ‘collaborative planning’, ‘ecosystem service’
- ‘urban forest/green space/green infrastructure governance’=2, ‘green space/green infrastructure’ AND ‘climate change’=0, ‘public participation/collaborative planning’ AND ‘green space/green infrastructure’=0

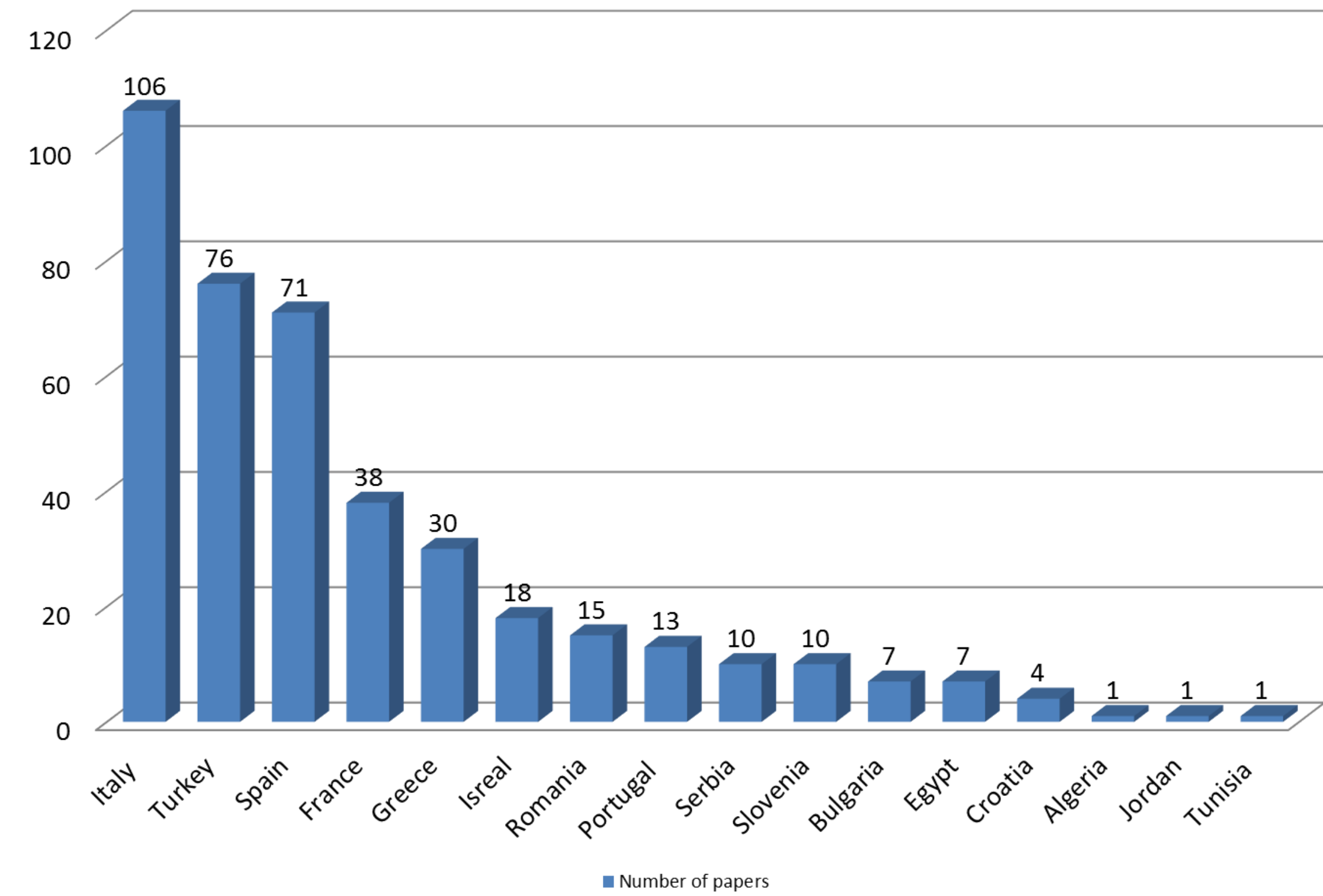
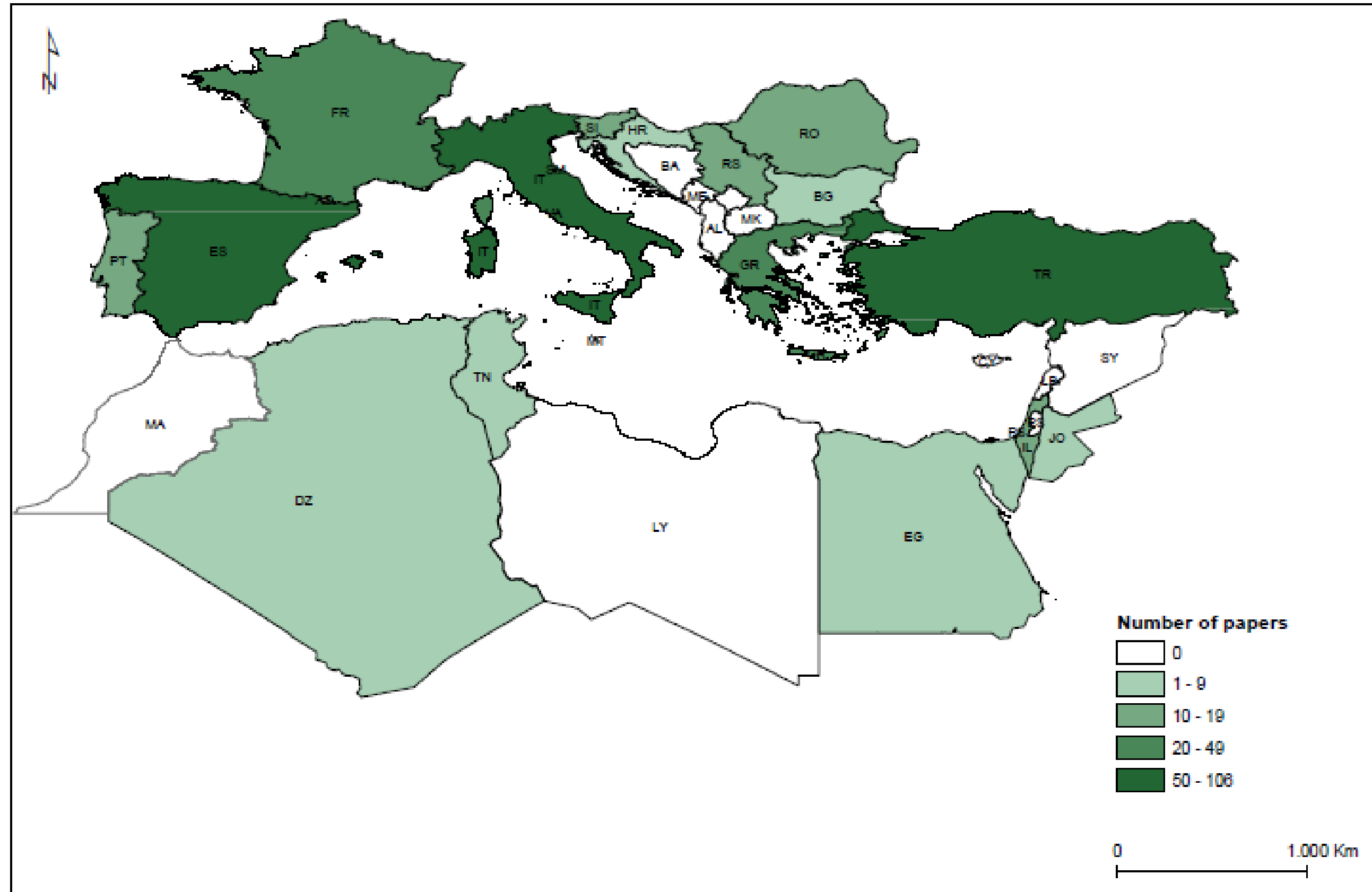


# Distribution per year





# ...per country

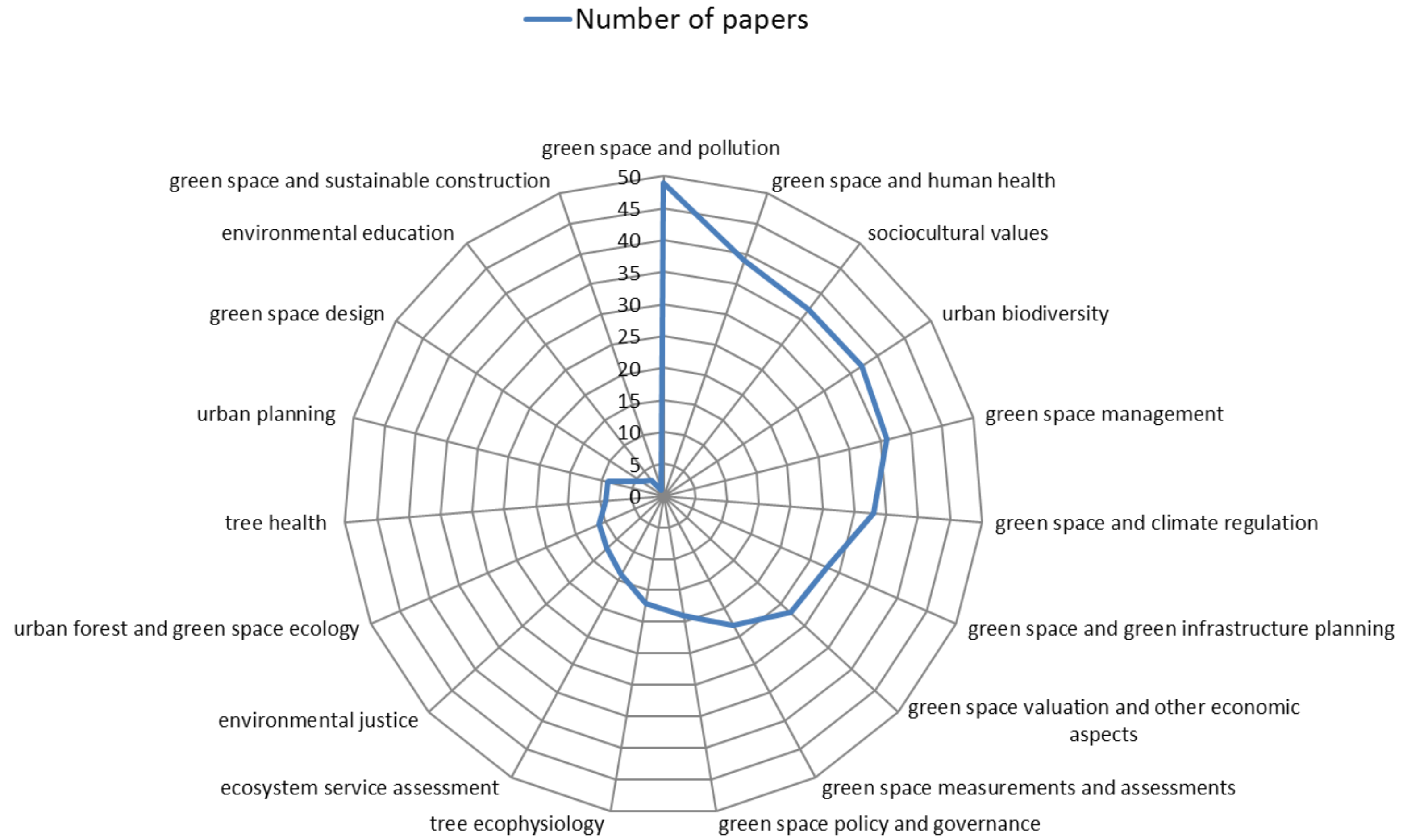






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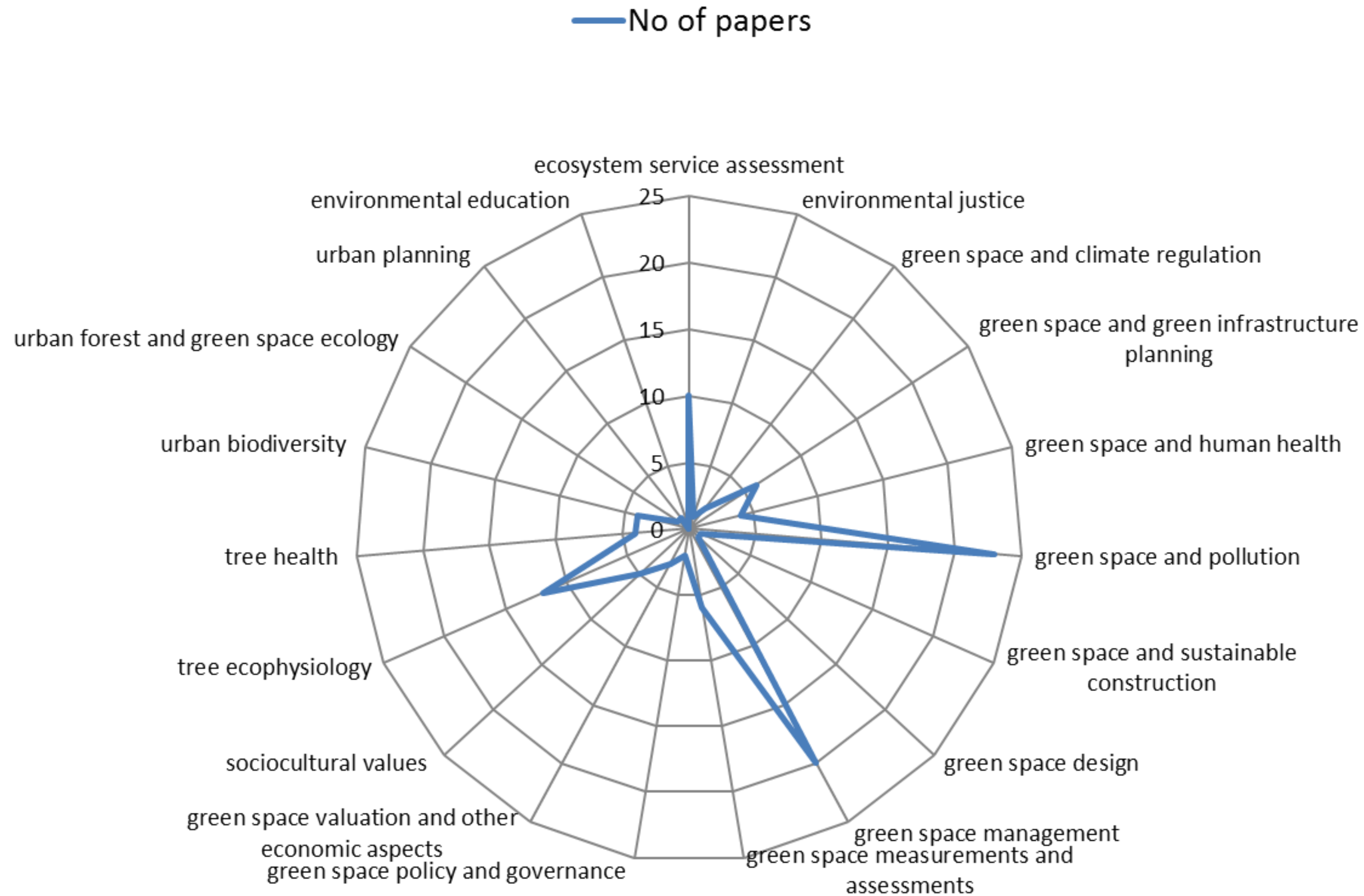
# Research themes - all





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# Research themes - Italy

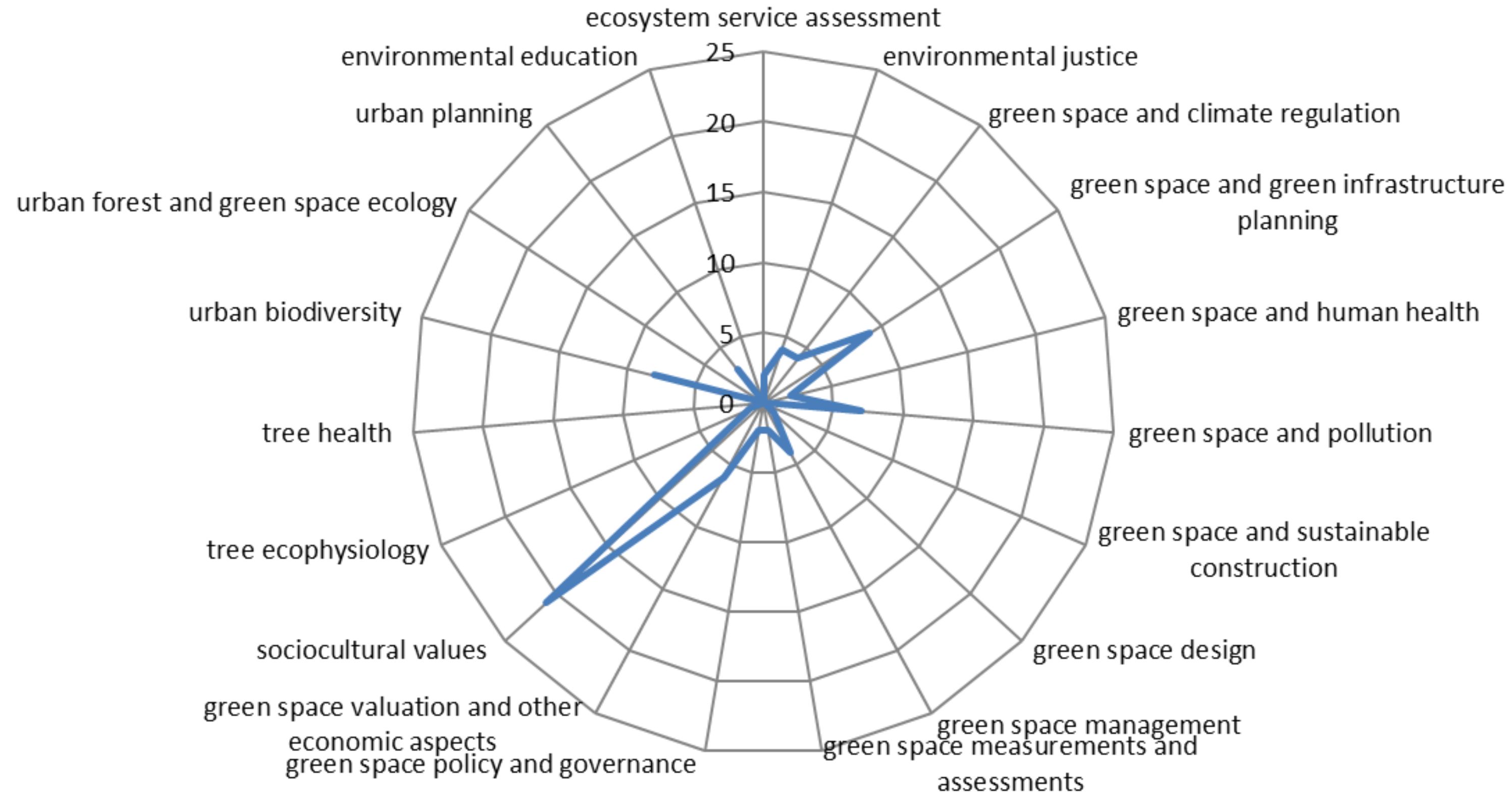




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# Research themes - Turkey

— No of papers

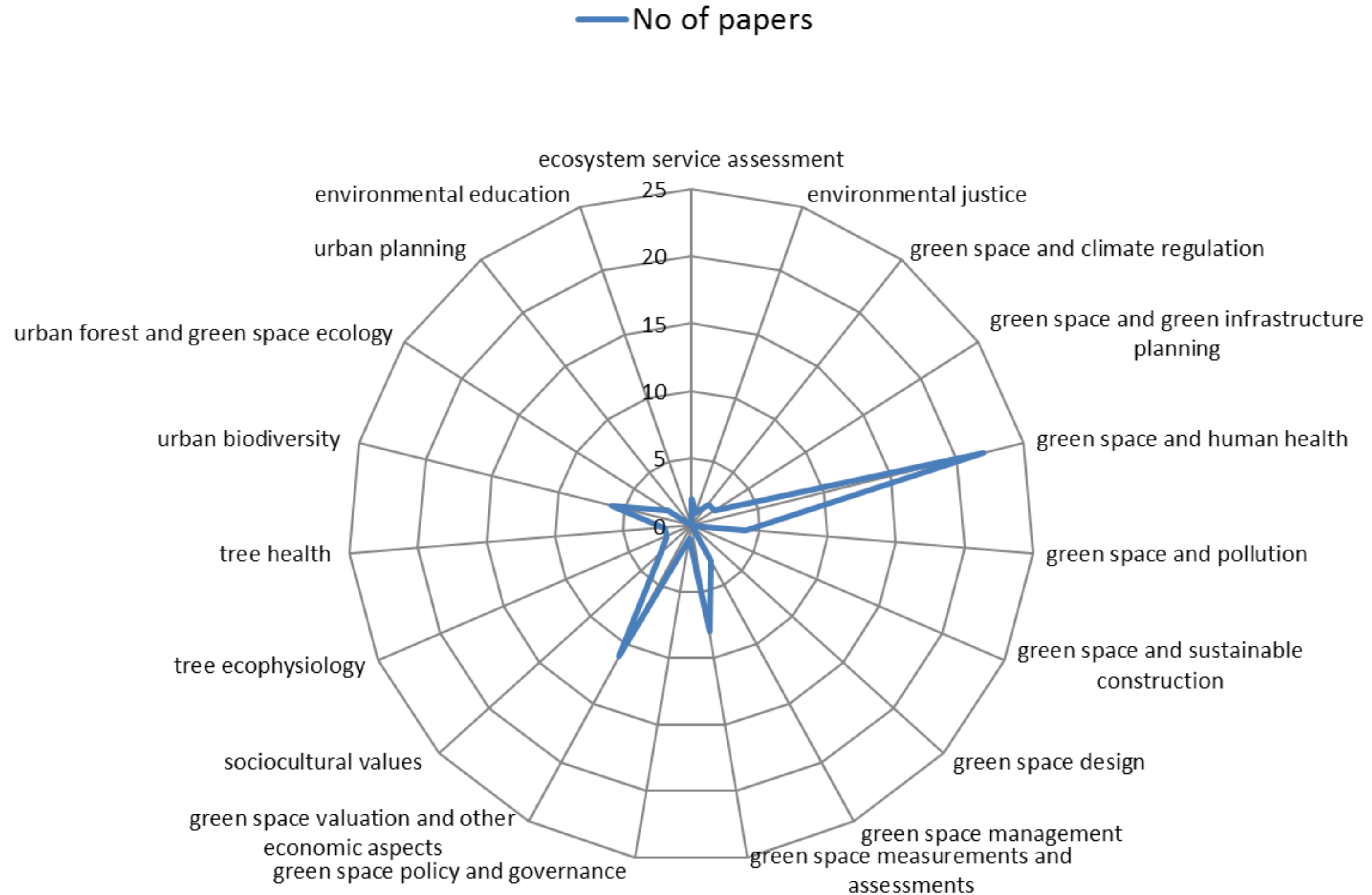






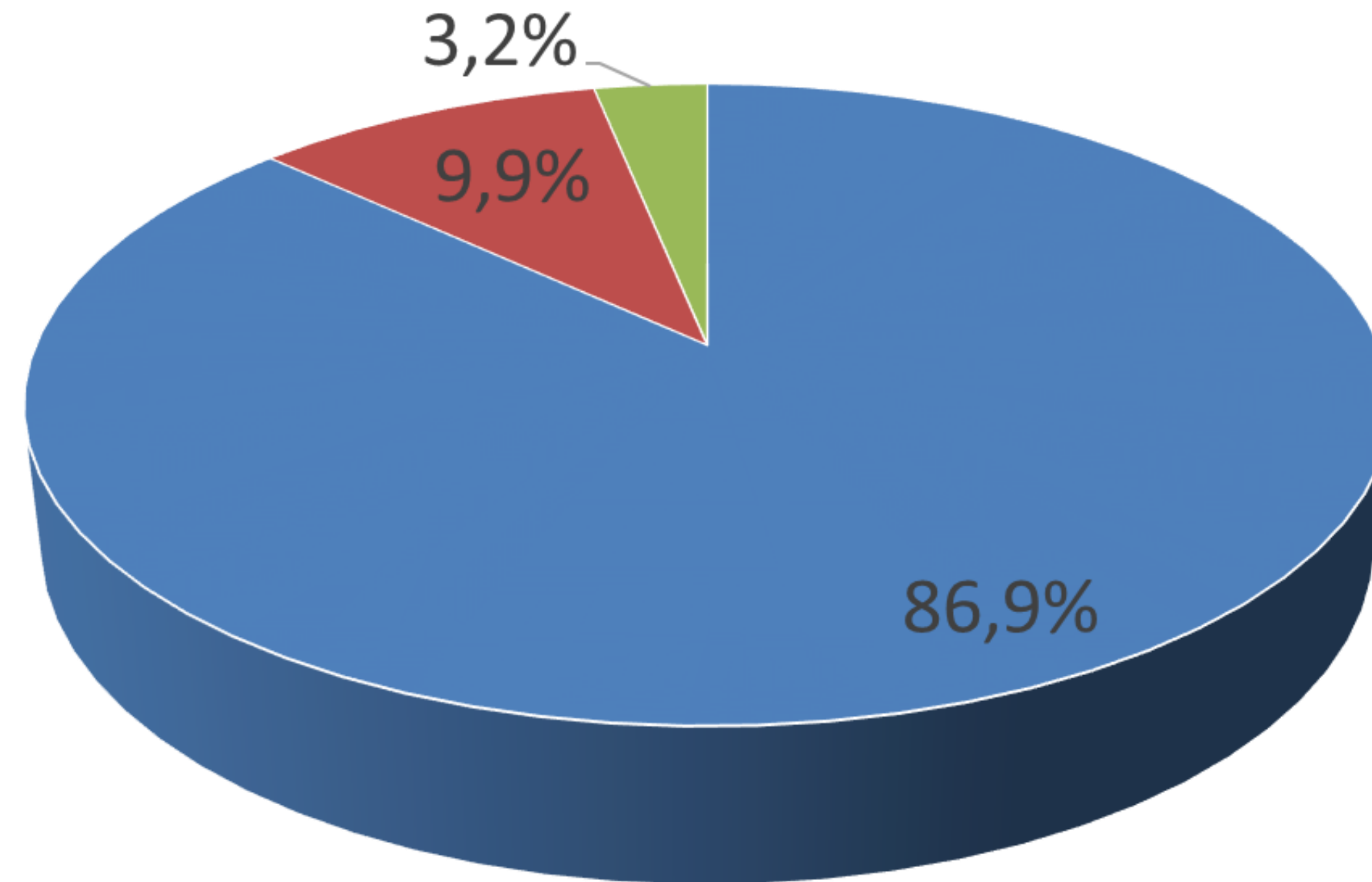
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# Research themes - Spain





# Research strategies



■ quantitative   ■ qualitative   ■ mixed

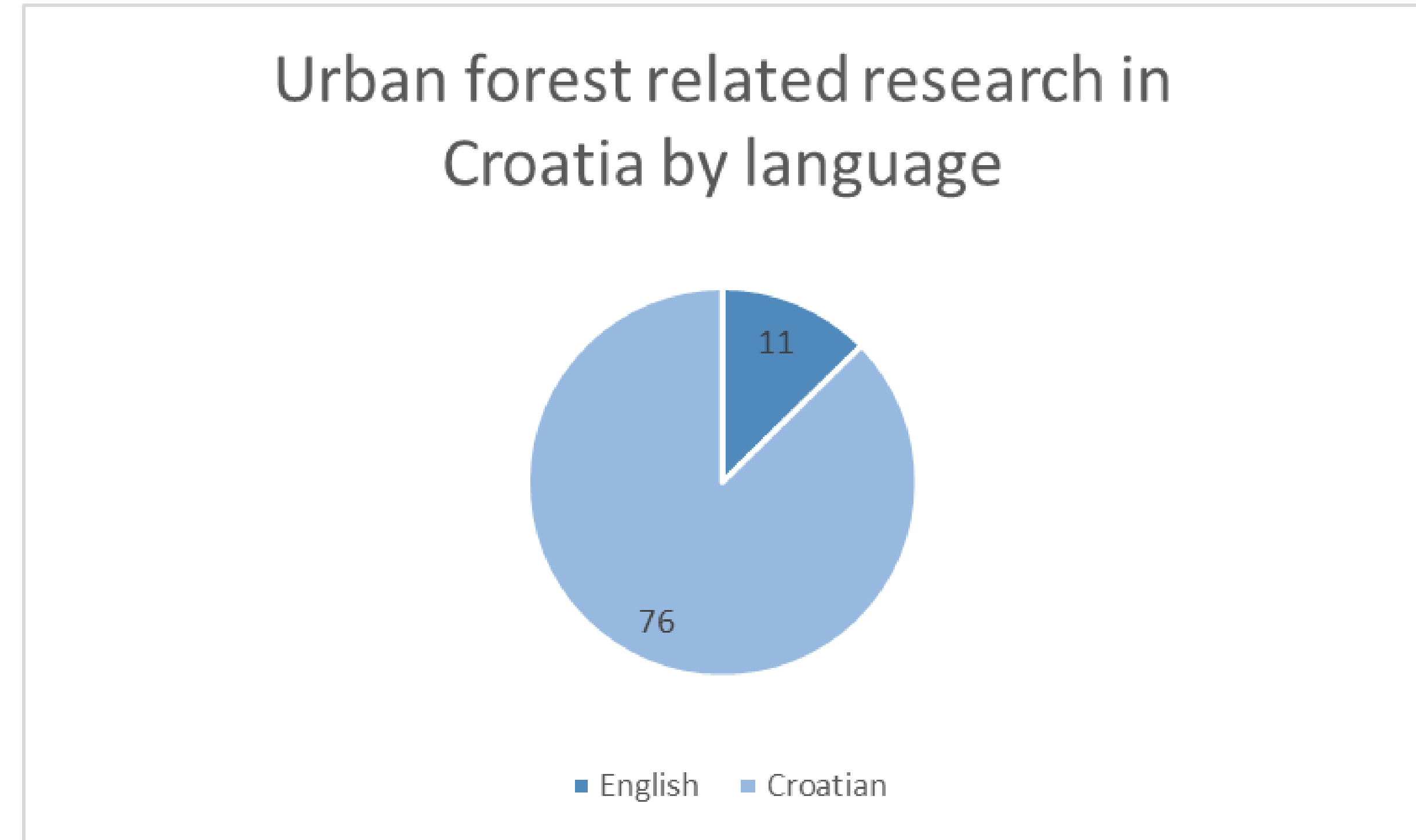
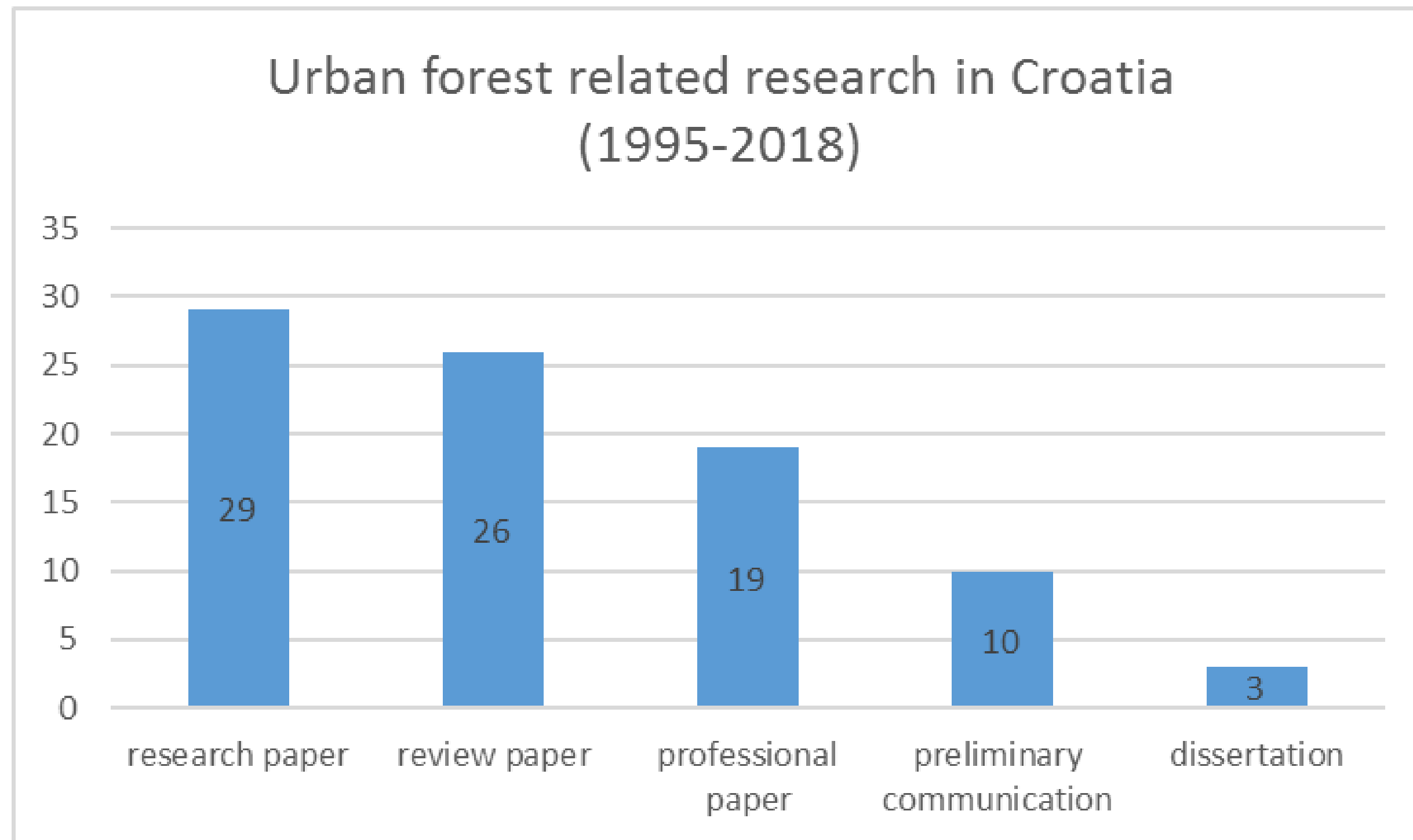


# Research methods

| <b>Method</b>  | <b>No of papers</b> |
|--|---------------------|
| Field measurements   | 107                 |
| Survey questionnaire   | 82                  |
| Spatial analysis (Geographic Information System - GIS, remote sensing) | 63                  |
| Field sampling and/or laboratory analysis                              | 59                  |
| Modelling/simulation/scenario  | 35                  |
| Descriptive or no method reported                                      | 33                  |
| Experiment (field, nursery, laboratory)                                | 32                  |
| Literature analysis  | 25                  |
| Field observations and assessments                                     | 21                  |
| Other  | 14                  |
| Secondary data analysis (existing database & record analysis)          | 11                  |
| Interviews   | 9                   |
| Focus groups   | 4                   |

# Conclusions

- There is no perfect review (limitations and challenges)



Data from bilateral research cooperation project between Croatia and Slovenia „Research on social aspect of urban forestry in Croatia and Slovenia” funded by Croatian Ministry of Science and Education and Slovenian Research Agency





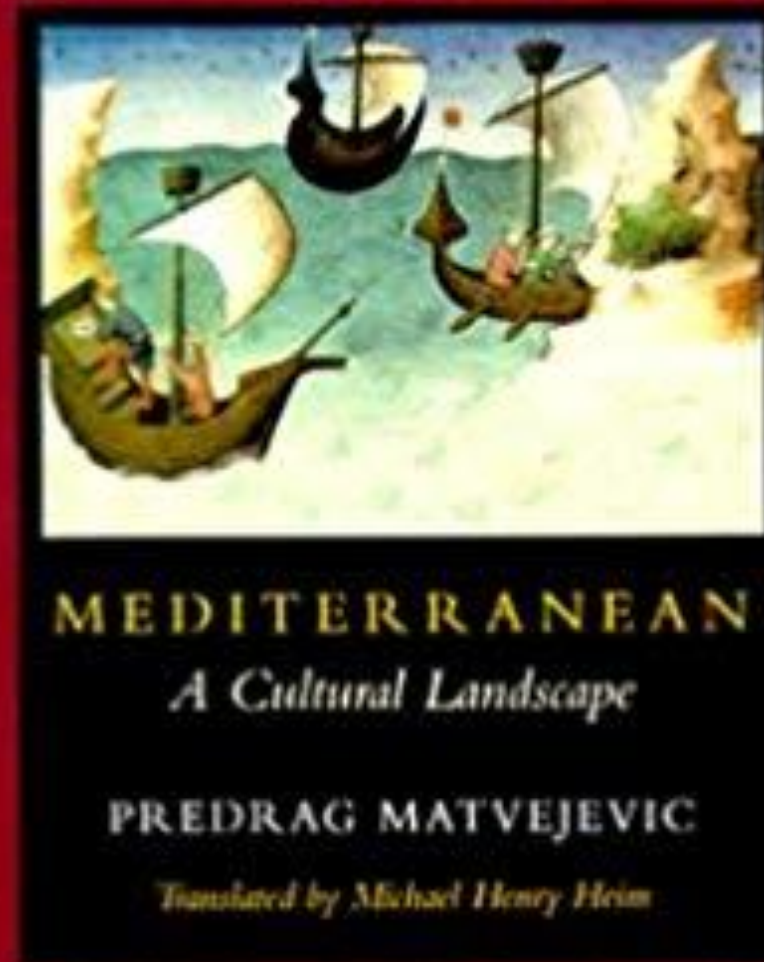
# Conclusions

- Uneven distribution of research production across the M.
- No single paper in some countries
- Exponential growth of papers over time (and it continues)
- Some research themes more important in some countries
- Some research themes insufficiently covered or missing
- Implications and future research perspectives



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A book  
recommendation:



**Thank you very much!**

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