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ON SUSTAINABILITY  
SCIENCE AND RESEARCH**

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Sustainability Futures: Challenges and  
Opportunities Towards a More  
Sustainable World

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# **Governance to sustainability in higher education institutions: a systematic review aiming the implementation of green campus**

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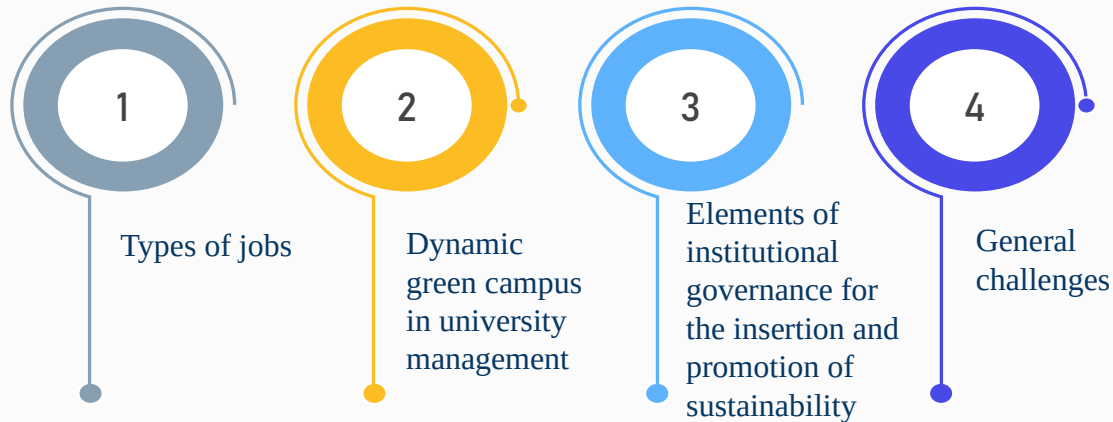
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# OBJECTIVE OF THE PAPER

The objective of this article is to synthesize the knowledge through scientific publications analysis on governance, focusing on green campus, based on the analysis of four categories:



## APPROACH USED

This systematic review employed a procedure divided into four steps to examine scientific publications,

### Systematic review steps



After applying the inclusion and exclusion criteria on the abstracts of the 163 selected articles, 50 scientific articles were analyzed in full. With regard to content analysis, 4 stages were defined: (1) classification of articles according to the focus, (2) construction of the reference framework for the initial and preliminary analyzes of a sample of 10 (ten) articles, (3) refinement from the previous analytical structure, resulting in the final analytical framework and (4) analysis of all articles.

# KEY RESULTS

01

It is essential that HEIs adopt consistent reports and publications that foster sustainability actions, including the carbon footprint

02

it is important to know that the balance between contingent scenarios and long-term plans is a dimension proper to sustainability, which goes beyond the mere reduction in the consumption of energy and resources.

03

The term “adaptive governance” was found in the literature, which deals with formal and informal institutions in the context of contingency and socio-ecological interactions and which can be seen in HEIs.

04

Highlight for the general challenge of management commitment, which proved to be weak or still small in the face of the challenge of sustainability.

## KEY RESULTS

The interconnected concepts denote that it is not a question of establishing and implementing a single scheme to improve sustainable development in HEIs. Each institution must find its best way to promote sustainable development goals, through planning and strategies that necessarily involve multidisciplinary collaboration



## MAIN CONCLUSIONS

The existence of a governance system instituted from and to monitor any management, is an important step towards the realization of green campus. This, since governance presupposes management's obligation to be constantly accountable to the main parties involved, even allowing for the feedback of this system, such an interaction that can be achieved with society in general and the parties involved.

For the purposes of green campuses to be effectively realized, through a constant evolution of the matter in the academic and command fields through governance, it is necessary to monitor, direct and evaluate management.

## MAIN CONCLUSIONS

Also, governance jointly implies organizational advances arising from greater knowledge and commitment from the main people responsible for the system, especially when it comes to the sustainable development goals.

Research on the evolution of formal and informal institutions to increase resilience in managing socio-ecological interactions in the face of uncertainty, such as “adaptive governance”, especially in HEIs, is considered promising.

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