

University outreach and their contribution for the Sustainable Development Goals: a case of study focused on smart and learning cities




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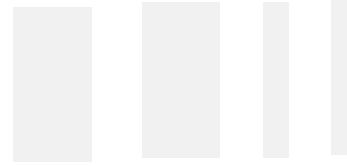
Introduction



- Universities have been seen as spaces for evolution and social transformation.
 - In Brazil, for the University's roles to be developed successfully, it is necessary to follow the principle of inseparability between Teaching, Research and Extension (Brazil, 1988).
 - To achieve social commitment, extension projects are linked to different social, environmental, sustainable and educational purposes. In this way, they contribute to the Sustainable Development Goals, promoting the articulation of the activities of the extension projects with the objectives proposed by the SDGs.
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Aim



The aim of this paper is to present an outreach project developed by a Brazilian university, with focus on smart and learning cities and in parallel highlight the social impact of the project and its contribution to achieving the Sustainable Development Goals.

Methodology

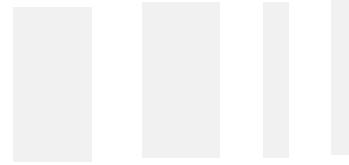


The methodology of this study addresses the analysis of secondary data, provided from the project reports and institutional news.





Case study focus



Case study focus



- The extension project entitled UniverCidade Educadora e Inteligente (Smart and Learning UniverCity) aims to promote formal, non-formal and informal education with different actors from Passo Fundo/RS and the coverage region of UPF.
- Also, it aims to highlight the pedagogical potential of city spaces, guaranteeing several opportunities to teaching and learning in the territory (UPF 2020).



Methodological Steps



The research was divided into three steps:

1

**Diagnosis of the
project under study**



Characterize and
describe the project

2

**Identification and
characterization of the
project's actions**



Detailed analysis of the
available documents

3

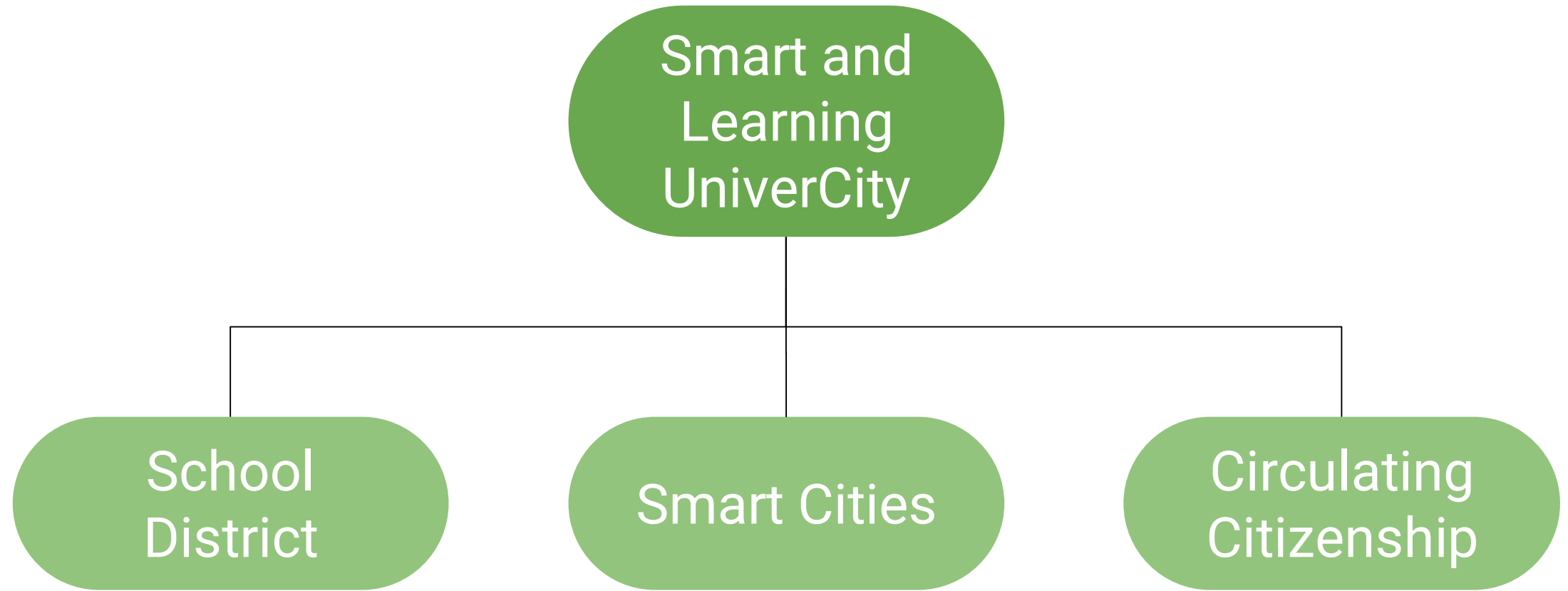
**Identification of the
contribution to the
SDGs**



Information was
filtered and treated

Results and Discussion

Diagnosis of the project under study





Results and Discussion

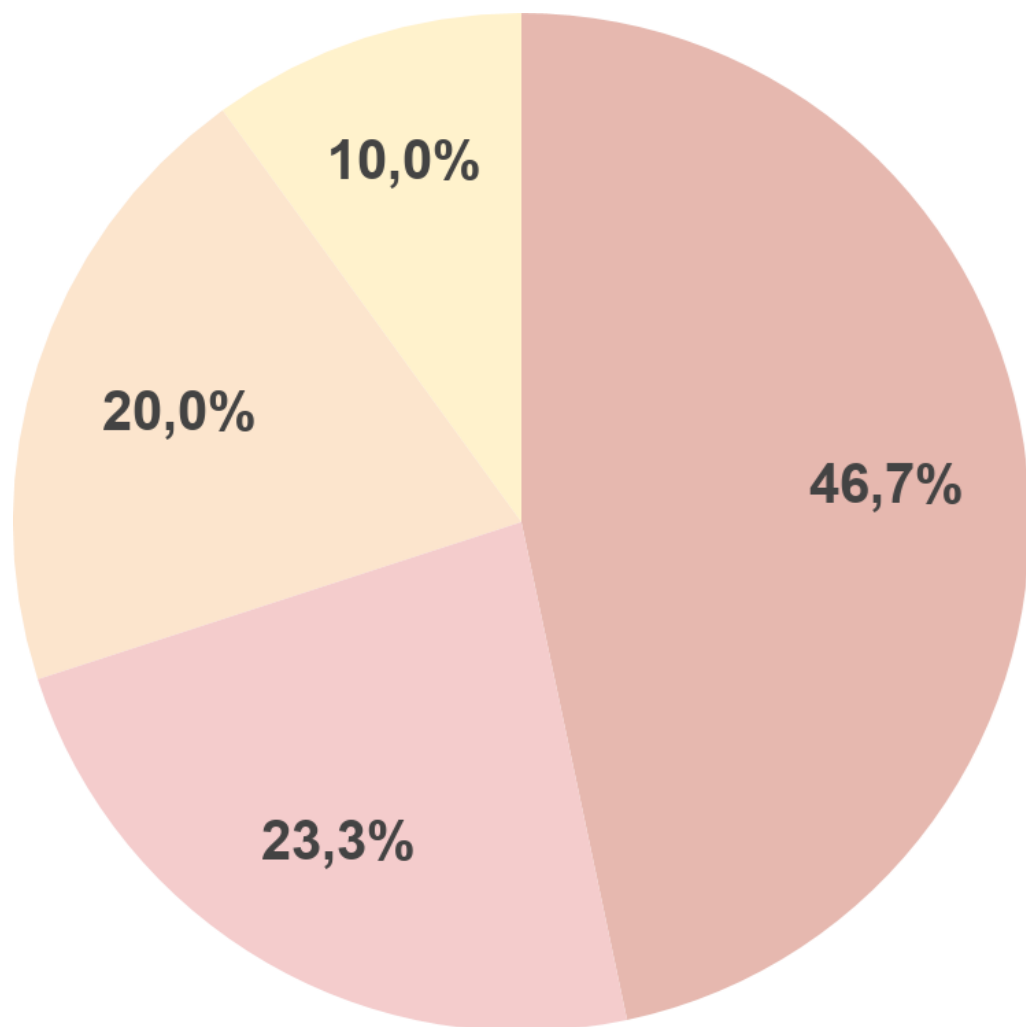
Diagnosis of the project under study

Interaction of the Project

Undergraduate courses involved	Cities involved
Law	Soledade/RS
Civil Engineering	Marau/RS
Pedagogy	Camargo/RS
History	Passo Fundo/RS
Computer science	

Results and Discussion

Identification and characterization of the projects' actions



- Promotion of activities
- Participation in events
- Guidance for city's certification
- Promotion of courses

Results and Discussion

Contribution to the SDGs

Promotion of activities



Promotion of socio-environmental education, awareness of road traffic care, avoiding road accidents; promotion of events such as "Meeting of Learning and Smart Cities"

Participation in events



Sharing experiences and promoting dialogue to support technological development, research and innovation





Results and Discussion

Contribution to the SDGs

Guidance on Cities certification



Promotion of lifelong learning spaces, including for environmental questions. Encouraging the qualification of teachers and the improvement of school environment. Ensure an inclusive environment for all.

Promotion of courses




Technical learning and training opportunities for youth and adults





Results and Discussion

Contribution to the SDGs

- The results showed how a single extension project can be relate and contribute to seven different SDGs and integrate the community with the Sustainable Development Goals.
 - Also, it demonstrates the relevance of extension projects and especially the university, as a small scale proportion of what could be replicated in cities and large centers.
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Conclusion

- Through the discussions and reflections raised by the project, it was possible to consolidate the partnership between the University and the cities of the region, creating a unique opportunity to form Learning and Smart Cities cooperation network in the north of the state of Rio Grande do Sul, southern Brazil.
- Therefore, the extension proved to be the channel whereby research and teaching promoted within a Higher Education Institution can reach society and drive transformations. Finally, it was possible to show that the dimension of lifelong learning at the university is also consolidated through extension.



References

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Thanks for attention!



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