

Space Without Conflicts: An interactive online platform for spatial conflicts with geo-surveys

Spatial conflict is incompatibility in the use of adjacent land, leading to negative externalities related to land use, natural resources and infrastructure. Conflicts pose a serious challenge to modern societies. With increasing urbanization, demographic pressures and economic transition, managing these conflicts is becoming increasingly complex. The scattering of data on spatial conflicts in various sources, such as local media, government reports, academic articles and non-governmental organization websites, makes it difficult to get a comprehensive picture of the problem. This results in limited knowledge about the causes and effects of these conflicts, leading to ineffective strategies for resolving them and marginalizing the needs of the communities most affected by them.

In response to these challenges, the proposed **project aims to** develop an innovative interactive web-based platform to efficiently collect, analyze and monitor spatial conflict data. Modern technologies such as geo-surveys and advanced geostatistical analysis will be used. The project seeks to create tools that will not only improve understanding of the dynamics and causes of conflicts, but also support the development of effective conflict management strategies.

Through an interdisciplinary approach that combines geography, sociology, environmental science and urban planning, this project has the potential to make a significant contribution to the development of conflict research theories and methodologies. The research findings will better inform decision-makers and other stakeholders, supporting evidence-based decision-making and promoting sustainable spatial development. In this way, the proposed project will not only broaden the understanding of spatial conflicts, but will also contribute to harmonious and sustainable community development and environmental protection.

The project assumes that an interactive platform using geo-surveys and advanced geostatistical analysis will enable more efficient collection, analysis and monitoring of spatial conflict data. Traditional data collection methods, such as field surveys and paper surveys, are often time-consuming, costly and geographically limited. By using geo-surveys, the platform will enable the collection of both quantitative and qualitative data, capturing the multifaceted nature of spatial conflicts as perceived by those directly involved.

Using the collected data, it will be possible to build statistical and spatial models to predict future spatial conflicts and assess the potential impact of different conflict management strategies. This will include the use of geostatistical analysis to visualize and interpret the data. By gaining a deeper understanding of the causes and effects of spatial conflicts, a more effective strategy for conflict resolution and prevention will be developed.

The innovative approach to implementing the project is to combine different disciplines, including geography, sociology, environmental science and urban studies. The results will contribute to the development of new theories and methodologies in spatial conflict research. With tools for data analysis and monitoring, the project will support decision-making and contribute to the advancement of spatial conflict research. The project will expand the understanding and management of conflicts, which will contribute to more sustainable and harmonious spatial development. The implementation of the project will bring real benefits to local communities, strengthen public participation, contribute to the expansion of knowledge and further research on spatial conflicts. The results can be used for implementation planning processes.

It will be innovative to build a new platform that will provide support between residents and decision-makers. This will ensure anonymity, speed of information processing and bring a new perspective to development. With a sense of interaction, the local community will have a real impact on the shaping of the space. The development of modern tools is crucial to the development of the field of spatial conflict research. It will enable rapid data collection from a wide range of respondents and lead to a better understanding of the causes and consequences of spatial conflicts. The results of the project have the potential to change the paradigm in spatial conflict research and innovate the practice of spatial and community management, helping to promote sustainable spatial development.