

DESIGN AND TECHNOLOGY. PEOPLE, SYSTEMS, ENVIRONMENT

DM118-Design & adoption of the P.E.B.A.(Architectural Barriers Elimination Plan) in the perspective of inclusive design and towards Accessibility Plan

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Context of the research activity	<p>The research is aimed on the one hand at supporting cities in the regulatory compliance of the adoption of P.E.B.A. and on the other in the innovation of this tool towards a more all-encompassing and complete Plan for Accessibility, in which architectural and perceptive barriers are not limited to overcoming, but more complex objectives of social integration in the use of spaces can be achieved and urban services.</p> <p>Progetto finanziato nell'ambito del PNRR – DM 118/2023 - CUP E14D23001600006</p>
	<p>The Plans for the Elimination of Architectural Barriers (PEBA) are tools aimed at the removal of architectural barriers in public spaces and existing public buildings. The reference legislation provides for the adoption of PEBA's by public administrations, which however are in many cases defaulting. However, the objectives of the PEBA's need to be overcome and expanded according to the perspectives of design for all, not limiting themselves to simple compliance and evolving their scope into real Accessibility Plans, not limited to just overcoming architectural barriers.</p> <p>The research intends to explore the innovation prospects of the PEBA's and the methodologies for building plans by the PAs, taking into consideration the case study of the City of Turin.</p> <p>In particular, the applied research will be implemented in a multidisciplinary perspective aimed at supporting public administration (municipalities) in the implementation of innovative strategies for Architectural Barriers Elimination Plans and Accessibility Plans and enhancing administrative capacity in relation to the formulation and design of public policies, diagnostic capacity, and by taking responsibility, coordination, and management of innovative tools.</p> <p>Particular attention will be paid to the needs of users with physical and perceptive disabilities and with specific needs in the use of public and private</p>

Objectives

urban spaces. The problem of special needs full inclusion should be approached by overcoming the idea that they constitute a separate group from the rest of the community. There should not be a design for special needs, but all urban spaces and services should be inclusive and designed "for all".

In this framework, this research project aims at defining the design requirements of urban spaces in order to meet the principles of the "design for all" and overcome the architectural physical, and perceptual barriers, with a specific focus on special needs users.

- Systematic literature review and conceptual model
- Systematic integration of existing datasets and urban plans of the built environment and urban spaces
- Survey and interviews with experts in best practices for Accessibility Plans
- Qualitative evidence and illustrative cases
- Assistance in the interventions envisaged by the University masterplan in the project or in progress to verify the levels of physical and operational accessibility
- Definition of requirement framework and guidelines for the accessible and inclusive design of the built environment

TAL (Turin Accessibility Lab research group – Politecnico di Torino) and the institutional actors will support the research activity and the design proposals.

Skills and competencies for the development of the activity

Basic knowledge of the literature on design for all and the needs-requirements-performances design approach is required.