

4° **CIDI** | Congresso Internacional de Design da Informação
3° **InfoDesign** | Congresso Nacional de Design da Informação
4° **CONGIC** | Congresso Nacional de Iniciação Científica em Design da Informação
3° **SMD** | Seminário de Metodologia em Design



sbdi
sociedade brasileira de
design da informação



Ruth Emilia Nogueira Loch

Maps and spatial information systems, visual and tactile communication

The maps have emerged as a form of graphic communication to record details of important routes to the survival of men. Points, lines and graphic symbols was used to represent and locate spatially selected elements in reality, it is today. In remote times the maps were created by artists specializing in mapping, being restricted to a small section of the population and often taken as a state secret. In today's times they have become popular, are part of our day-to-day on television, in newspapers, in magazines and on the Internet. Some maps are created specifically for strategic activities of contemporary society, being a true digital system of spatial information. Despite of its primitive graphics remain valid for its construction, associated with visual variables and, sometimes, to images obtained by remote sensors. Therefore, the vision remains the most important channel for the acquisition of geographical and spatial information conveyed by maps. So how to do an effective visual communication on maps in the digital era of information? What is needed to create maps that fulfill its function of being a medium? How can we make the maps "visible" to people with visual disabilities? It is about all that, the maps as spatial information systems and communication that we will talk, referencing them also as aids for social inclusion and education of the visually impaired.