Resum de Tesi Doctoral



DNI/NIE/Passaport	
Nom i cognoms	Juan Pablo Londoño Linares
Títol de la tesi	MODELLING ENVIRONMENTAL PROCESES IN URBAN CONTEXTS. LANDSLIDES IN ANDEAN CITIES.
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The available literature inherent difficult to dev of susceptibility and ha	4000 caracters maxim (si supera els 4000 es tallara automaticament) on Landslide Risk Assessment is less than the available on Hazard zonation topics. A reason is the relop quantitative landslide risk assessment; this type of analysis requires also the previous assessment azard, and an estimation of vulnerability. When the assessments are available, their incidence on
inherent difficult to dev of susceptibility and ha Territorial Panning is lir use planning interventi methodologies for quar areas. An initial modific component in the urba obtain landslide suscep consideration of the ter and temporal compone methodology to derive management tool, to co The specific contributio (Caldas, Colombia), as urban scale, the results the city of Manizales (C 2015-2027)	elop quantitative landslide risk assessment; this type of analysis requires also the previous assessment zard, and an estimation of vulnerability. When the assessments are available, their incidence on mited, because the link between hazard/risk and decision making is not clear, especially when the land ons are considered. In this thesis, the available literature has been analyzed, extracting four ntitative assessment of landslide susceptibility, introducing modifications to be applied to Andean Urban action proposed is the inclusion of propensivity factors, related to the anthropic activity as an important n context, or in general terms, in the populated areas. A Methodological approach has been proposed to ptibility models in different scales, representing the spatial component of hazard. Additionally, the mporal component is proposed through the analysis of the rainfall trigger factor. Considering the spatial anits, is possible obtain a hazard model in urban scale, in probabilistic terms. As a last result, a risk maps as inputs for territorial planning is proposed, using the term tacit risk to be used as a onvert the risk models (technical information) in management decisions, through land use interventions. an input for the Environmental Management Plan (Plan de Ordenamiento Ambiental POMCA). In the s from this research has been used as models for susceptibility, hazard, tacit risk and loss estimation by Colombia) in the development of the Territorial Management Plan (Plan de Ordenamiento Territorial POT

Lloc Barcelona

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Signatura

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