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## Evolution knowledge of Technological Soils (Man-Made-Strata) in Uruguay, South América

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The existence of anthropogenic soils generated from discharged materials onto natural soils has been identified in Uruguay since 1990's through advisory work conducted by the Department of Geotechnical Engineering Faculty.

At the first time, the common pattern they show is their geographical location which concerns to two situations: a) low relief areas, associated with the floodplains, and b) in old abandoned quarries. In both cases they are associated with urban and suburban areas a little bit far from downtown, but close to important traffic areas. Nevertheless anthropic profiles identified and described consist of building materials debris sometimes mixed with household waste and sometimes also with industrial waste, on which there has been weathering with presence of new horizons and root development, Mezzano et al [1]

Afterwards, due to the number of places where these situations continue to be identified and also with the information obtained, a nomenclature and graphic pattern design for the systematic description of Technology and Soil Urban profiles is generated, taking into account the systematic work developed by several authors (El Khalil, 2008 [2] Lehmann & Stahr, 2007 [3]; Rossiter, DG, 2005 [4]; Schwartz, C, 2007 [5]; I'll be et al 2008 [6]; Puskás, & Farsang 2009) [7].

Moreover, in recent years has been included in the methodology, the determination of the presence of Pb, Cd, Cr, Hg, associated with anthropogenic levels as well as the transition to horizons of natural soils profiles. Also, liquid fluid samples have been taken to determine its chemical composition when the presence of the phreatic level is reached in these profiles.

Finally, with the experience gathered, stratigraphic sections were made in one of the studied site applying formal stratigraphical principles including the new nomenclature and the graphic pattern design created for the description of this new kind of profiles, according to Mezzano and Huelmo [8]

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