



Propunere de standardizare a legendei hărții solurilor pentru utilizatorii S.I.G.

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In the last years, digital soil mapping with specialized software (ArcGIS, TNTmips, etc.) come into focus. In the same time, it became noticeable that different authors assign different colors for the same type of soil. Due to difficulties in using the colors from Soil Survey Methodology [3] and because of the changes in Romania Soil Taxonomy System (S.R.T.S. 2003), the need for new color and symbol standards is emerging. We propose a new color standard based on RGB values, range from 0 to 255. In this way, each color assigned to a soil type (ex. Chernozem) will have a unique combination of values: R 146/ G 111/ B60. The soil type colors will be selected so that to be different. In case of colors with appropriate tones (ex. spodosoils and salsodisoils), the map units representing soil types formed in different geographic conditions, will be in disperse areas on the map and so, the confusions will be removed. The soil subtypes symbols are ranked by main characteristics. Hereby, the subtypes associated with pedogenetic processes will be hatched with lines oriented 45° to the right, with 0.3 or 0.5 mm thickness and 4mm space between them (fig. 2). The GIS users, involved in digital soil mapping will bring the same layer (representing soil types) twice, once represented by colors assigned to each soil type and second represented by symbols assigned for each soil subtype (hatches). The cartographers can put additional layers such as the drainage network, the transportation network, labels, etc. The legend, proposed here, can be used by specialists with GIS software or graphic design softwares.