

Fundamental Concepts of Spatial Data Infrastructure (SDI) and the Initiatives Taken by Africa Through the United Nations Economic Commission for Africa (UN-ECA) Under the Commission on Development Information (CODI) Framework

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SUMMARY

This paper discusses the above topic and specifically elaborates on the real meaning of the term Spatial Data Infrastructure-SDI in very simple terms. The new approach I believe will further promote awareness raising and accelerate adaptation by countries world over. The paper will be another attempt to reach out and qualify the meaning of SDI to the majority who have failed to understand or have a clouded meaning of the underlying principles behind the concept. An example shall be drawn from the application of outdoor advertisement and its significance in reaching out to the masses. The principle in this model is to emphasize the central role played by the super structure as a base in playing host to different notices. The second aspect to be covered in the presentation is to demonstrate the efforts being made in the establishment of SDI in Africa through UNECA under the CODI framework. Details of the Kenya's SDI initiatives and the extent of compliance shall be discussed at great length. In this respect recognition be given to the National Mapping Organization (NMO) as strategic in the provision of the fundamental core data sets. In the same vein Governments prioritize in resource allocation by providing sufficient funds to increase capacity of the NMOs in support of the activities under the programme.

MUKHUTASARI - (Kiswahili version)

Mjadala huu ni kuhusu mtandao wa ardhi unaojumuisha takilishi mbalimbali, ukisimuliwa kwa njia rahisi inayoeleweka. Sina shaka nikisema jamii kote duniani itaweza kutafakari matumizi yake na kushiriki kwa shughulu hii muhimu.

Kwa mara nyingine mjadala huu unajaribu kufafanua misingi ya utandao wa spashali kwa walio wengi hali ikilinganisha na mifano ya kueleweka. Kwa mfano jarida hili litaweza kujadili mswada huu kwa kuifananisha na matangazo yanayo wasilishwa kwa njia ya mutandiko ulio tundiwa barabarani. Na kwa hali hii tandiko hilo huwafaa wanabiashara na hata mashirika fulani kuweza kuwasiliana na wateja ama wanashirika mbalimbali. Kwa njia nyengine mjadala utaweza kuchambua juhudi zilizochukuliwa na Africa kuimarisha misingi ya SDI wakisaidiwa sana na UN-ECA kwampango wa CODI. Africa imepiga hatua, na kufikia sasa mradi huu umesababisha pasuko la Africa kwa sehemu 5 kusudi turahisishwe shughulu hii. Kenya inashiriki kwa ghafula hii, na mjadala umetenga sehemu inayojadili mswada wake.

Kwa ujumla ni jukumu la Serikali kuhakikisha ya kwamba mtandao huu unastawishwa na udumu. Kwa hivyo ni muhimu ieleweke wazi kuwa bila mkazo wa Serikali na kuezeka rasilimali ya kutosha SDI haiwezi kufauli. Kwa ujumla ni muhimu sana Serikali iweze kuzingatia sana mradi kama huu kupewa umuhimu ufaao.