

Open and Closed Skies: Satellite Access in Africa

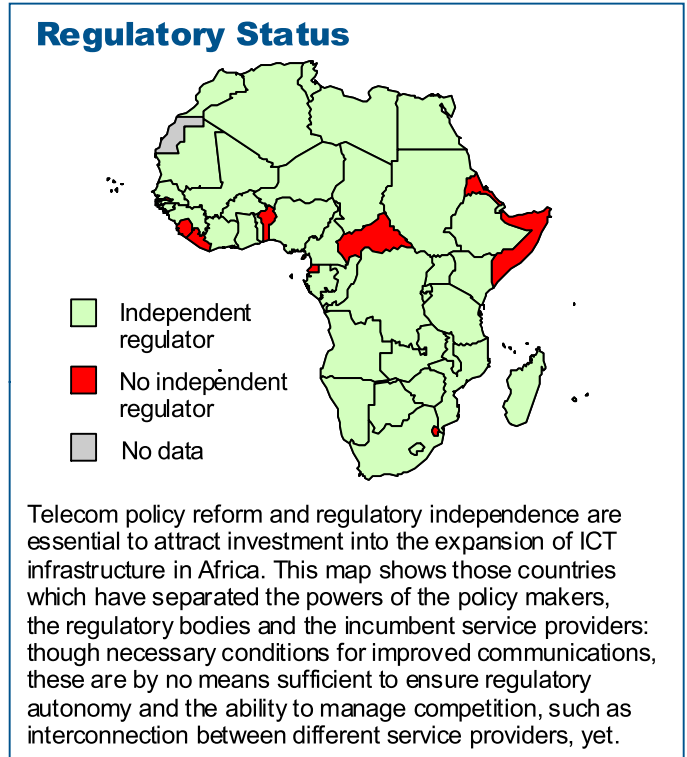
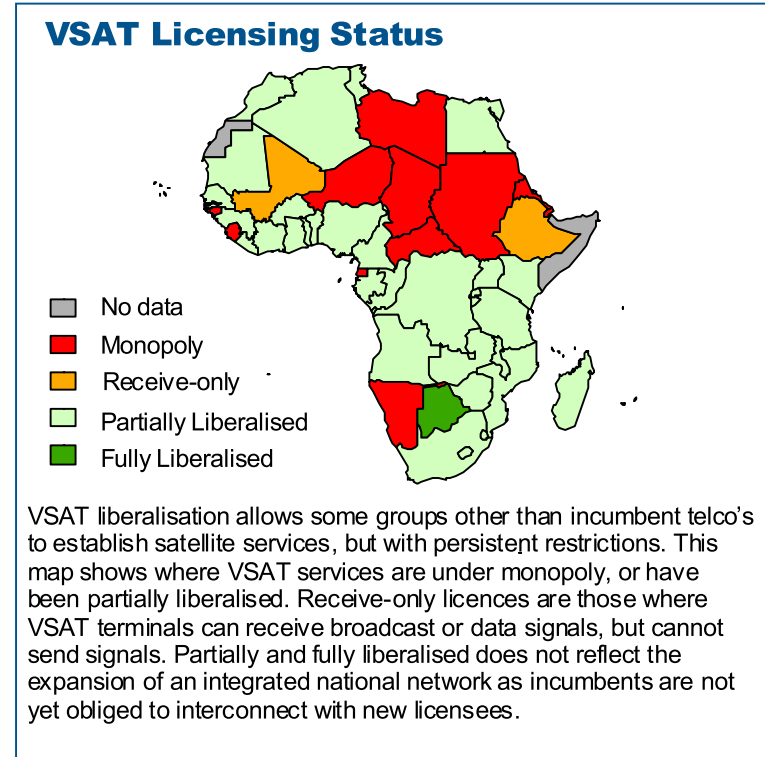
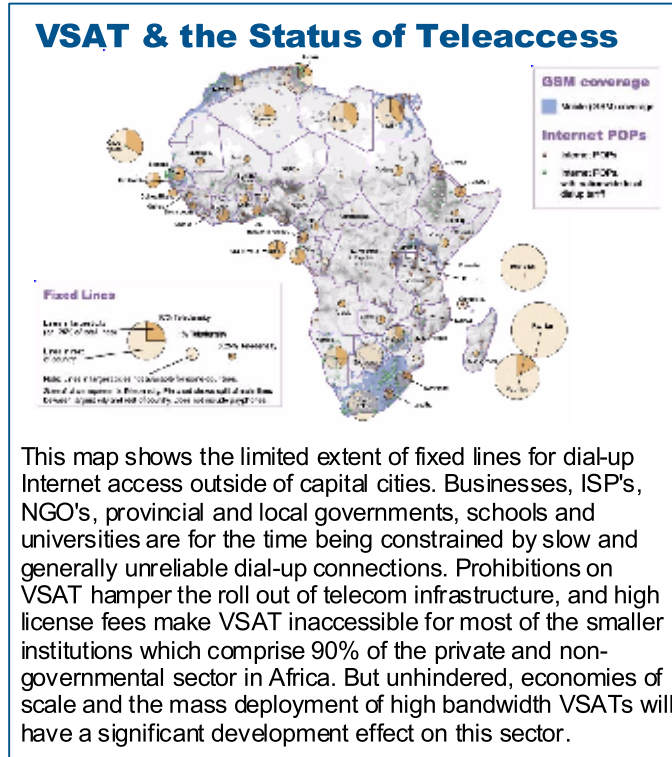
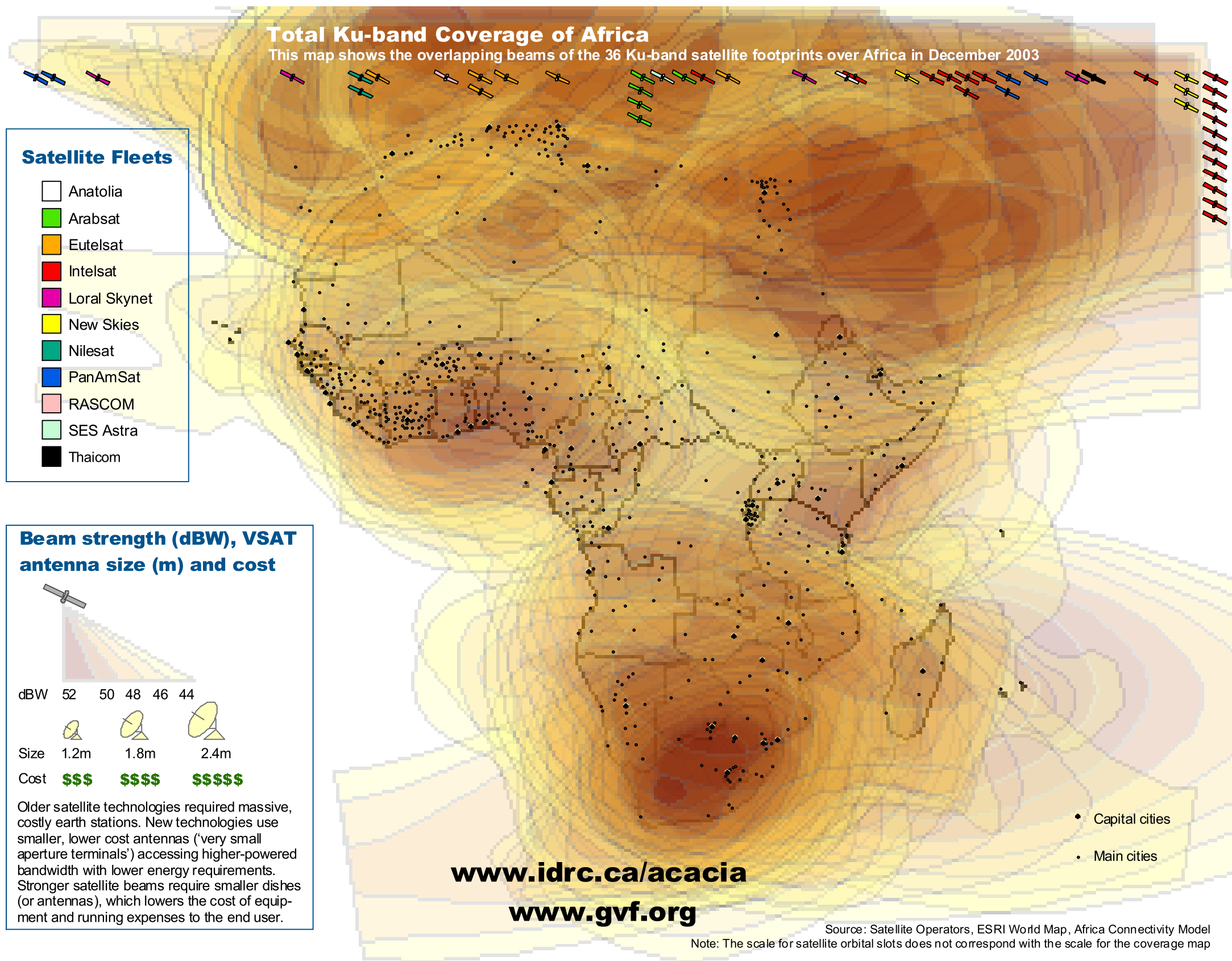
Every square inch of Africa is covered by satellite bandwidth, but restrictive telecom policies stop this from supporting Africa's development. There are 48 satellites with coverage, pointing 36 Ku-band frequency beams (this side) and 28 C-band beams (reverse side) over Africa which can be accessed to provide international and national voice calls, broadcasting, data and Internet services.

Africa's vast inaccessible terrain and insufficient energy infrastructure make it difficult and costly to roll out

wire-line networks and fibre optic links in heartland areas. Low-cost satellite-based Internet therefore responds to the access crisis in the region, and provides a potentially affordable opportunity for connectivity. Until recently PTOs have been the main users of satellite technologies, but some liberalisation is slowly opening up avenues for new licensed service providers to compete for broadcasting, data and lastly voice traffic (see VSAT Licensing Status map). But even where private or public satellite services are allowed, hefty license fees are levied; or are only

allowed for monopoly or duopoly operators. It is clear that policies for low cost 'consumer grade' satellite Internet access have not yet been developed in many nations.

To overcome the restrictions on access to bandwidth there needs to be an 'Open Skies' policy in order to achieve African development goals. Then the conditions for economies of scale will result in lower prices and affordable subscriptions to community access points, SMEs, governments and households.



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