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Lecturing
Integrated Digital Tools (AAM)

With the emergence of affordable devices combining GPS localization and digital topographical models, navigation in a 3-dimensional virtual landscape has become routine. One of Google's clear achievements was reinventing cartography into an intuitive, easy-to-use, interactive everyday tool¹. Widely-used digital topographical models change our perception of the real landscape. Not only do the new tools tame reality, making inaccessible Alpine summits look like a playful background for weekend excursions, but they also allow an acute tracking of the urbanization creeping into Switzerland's last intact territories. Beyond the commercial uses, what is the impact of these new tools on the perception and the planning of infrastructure in the landscape? The research undertaken with the students explores the potential of using three-dimensional digital models as analysis and planning tools. Focusing on three scales – Large (1:25'000), Medium (1:2'500) and Small (1:250) – it uses virtual models to analyze the impact of built infrastructures in the Alpine topography.

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165	Large Scale – Enhanced Topographic Models
165	Medium Scale – Hybrid Models
165	Small Scale – Architectural models
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