



BA/MA/SA/Group/Lab:

Map of Switzerland over Time

Aerial pictures are a fascinating visualisation of countries and regions, especially as we do not usually perceive our environment in this way. The first aerial picture was taken in the 18th century. Since then the technology used to take them got more and more elaborate and also the usage of these pictures increased tremendously. More and more services make use of them. Google Earth, for example, offers a view of the world in satellite imagery and aerial photography.

Switzerland's federal geoportal recently released old aerial pictures of Switzerland with corresponding location data. The goal of this thesis is to gather these pictures and their information in order to combine these images to something even more interesting. For example it would be nice, to have a time lapse video of Switzerland from the early days up to now produced by overlaying the collected pictures. Some of these ideas may involve computer vision techniques.



We are interested in different applications using the pictures and the corresponding data and in what you want to build with them, or how you want to present them in a way that conveys more information than just the sum of the single pictures.

Requirements: Creative thinking, advanced programming skills, the determination to put your ideas into action, and the ability to work independently are necessary to work on this topic successfully.

Interested? Please contact us for more details!

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