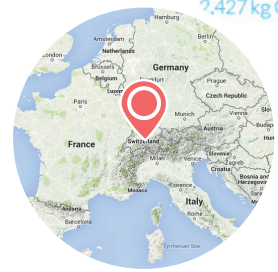


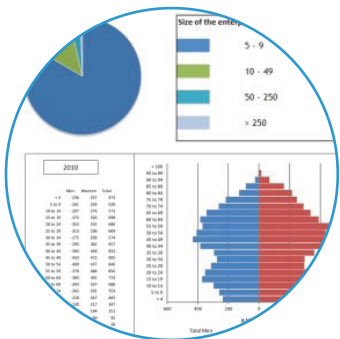
Ref: 1403

Building Info	
Primary energy demand (renewa...	
Primary energy demand (total)	
Final energy demand	
Greenhouse gas emissions	
2025	2,411 kg CO ₂ -eq
2030	2,248 kg CO ₂ -eq
2035	2,243 kg CO ₂ -eq
2040	2,356 kg CO ₂ -eq
2045	2,434 kg CO ₂ -eq
2050	2,427 kg CO ₂ -eq



FaLC Simulation Tool. 2014/15

Urban/Regional planning expertise in the development of the Land Use Simulation Tool. Switzerland.



Statistical data analysis



Zones evolution

Under mandate from regioConcept AG in Switzerland, simArpa collaborated on the development of a National Land Use Model, able to provide support to any spatial political and planning decisions, and also compatible the existing Swiss National Passenger Transport Model (NPVM).

simArpa's main role as agency specialised in Urban and Transport Planning was to include a planning expertise by applying urban socio-economic behaviours as well as public transport and street network analysis into the simulation software development.

FaLC is the name of an open source simulation software which incorporates interactions between land use, transport, economy and public policy and which is designed to provide assistance to any spatial political decisions by answering the social-economic consequences due to the modification on transport infrastructure or adjustment on land-use policies, among others. The software, operating rapidly and steadily, achieved interesting results from the calculation of fictitious scenarios in different scales.

FaLC Swiss Case Study has been set up covering whole Switzerland at the level of municipalities and city districts (around 3000 locations). The implementation of this project converted FaLC in an open template for further works in other regions/countries.

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