

How and why does  
Lantmäteriet work with  
education?

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# Why?



3 § Land Survey should promote an functional supply of basic geographic and real estate information of such scope that quality demands and timeliness of society needs are met



# Lantmäteriet - education

- Webinars
- Universities
- Research and education strategy
- Ambassadors
- Promotion activities
- Geoskolan – “Geo school”

Adults

Adults

Adults

High school

High school  
& elementary  
school

# Webinars and seminars

- Open and free of charge
- The webinars are short web based presentations via Skype
- Questions via chat
- Recorded and published clips on [www.geodata.se](http://www.geodata.se)



# University course

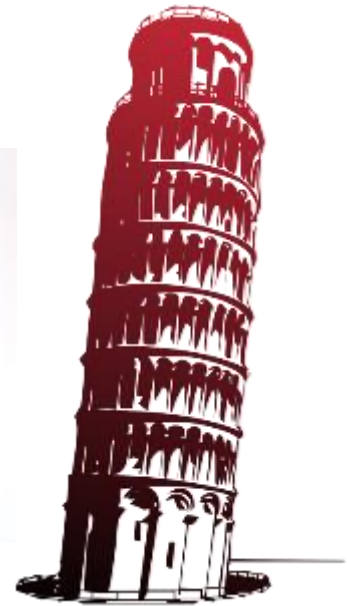
Spatial Data Infrastructure (SDI) 4 credits

Content:

- Introduction to SDI
- Standards and metadata
- Regulations
- Data harmonization
- Services



# Free Geospatial data for research, education and cultural activities



# Research strategy

- Describes research activities that Lantmäteriet is planning to implement
- Provides the conditions for raising research topics and prioritize research activities
- Aims to secure the supply of future competence needed within our business





# Raising interest among new and young users

## Promotion activities





# Ambassadors



# Why promotion among new and young users

- We want our Gold Mine of data to be beneficial to society!
- Long-term recruitment
- Enhanced and broader use - new target groups
- Communication and marketing
- Shows the possibilities of geodata and that it's fun!

# Competitions

- Future City

<http://futurecity.nu/>

- Hack for Sweden

<http://hackforsweden.se/>



# Minecraft



# Geoskolan – “Geo School”





# Why?

## Geoskolan





## Why Geoskolan?

- Our data is not easily accessible to elementary and high-school
- Habit and recognition factor of how today's maps look and are consumed
- Setting a foundation for a long-term increased and broader use
- Ability to generate interest in the National Land Survey and the business from an early age



## Within the curriculum – high school

Students should be given the opportunity to:

- develop knowledge of geographic sources and spatial information, cartography grounds, basics (GIS) and visualization of geographic information in maps
- to collect, process , interpret and critically evaluate spatial data and to formulate and visualize the results in texts, maps, pictures , models, charts and graphs
- develop knowledge of the needs of society for various spatial data and how large amounts of information can be managed with the help of digital geographic tools such as geographic information systems (GIS ) ... "
- develop knowledge of Collection and processing of spatial data . Measurement , analysis and visualization of spatial data . Processing of data in computer environment and with simple statistical methods. Production of thematic maps. Fundamentals of GIS and visualization of spatial information in the map.

# Geoskolan is

- A collaboration with other public and local authorities
- A web based map service where Lantmäteriet and others provide spatial information to schools
- A web based working material including lessons and tips for the teachers

Altogether involved stakeholders has invested more than SEK 3 million

There is a lot of interest and a desire that our geospatial information should be used throughout the education sector!

In other words: Good support, high interest, low cost, no reason not to! 😊



# Geo school

- Collaboration with other public and local authorities
- Web based working material for schools to use
- Including lessons and tips for the teachers



# Geoskolan – demo version