



# Digital and paper maps

HLSK Leader training

October 30<sup>th</sup>, 2022

# History



- Handy to use were maps on three levels:
  - The whole of Scandinavia, 1:800:000 → to overview main roads and locate areas
  - Regional maps, 1:250.000 → to drive within an area by car
  - Detailed maps, 1:100.000 (lakes) en 1:50.000 (sea) → to navigate while skating
- Some leaders have Sweden complete; Norway partly; Finland not many
- HLSK supports leaders with maps rental boxes (Joris)
  - hlsk.nl page Gidsen shows which [maps are available](#)
- There are (almost) no HLSK-maps for Finland

# Advantages paper maps remain

- Better overview
- Multiple people can gather around the map
- No technical failures (batteries, cold, moisture, ...)

But there are disadvantages too:

- No automatic positioning
- More volume/weight to take with you
- More searching and folding
- Hard to use in twilight, darkness and wind



# Digital map gets popular

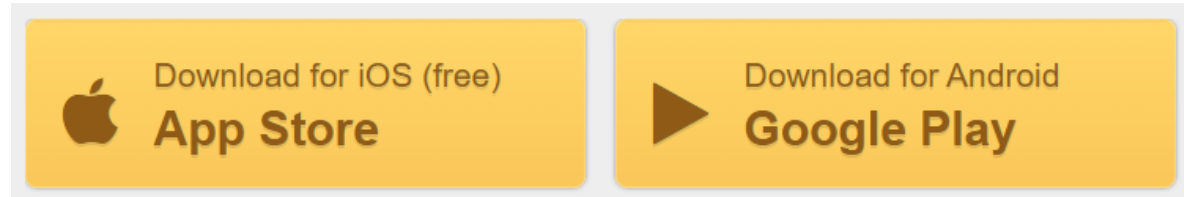
- Whole of Scandinavia on your phone/laptop
- Searching for places and lakes
- GPS shows directly where you are
- Track of day tour is visible



# Decisions by Gidscommissie

- HLSK standardizes on TopoGPS for maps of Scandinavia
  - To make sure we all know how the map works; in discussions we have the same maps; has been tested and so far no failures
- If three group members have TopoGPS on their mobile, from which two have the skating area offline available, the paper map is no longer obligatory
  - Three members is necessary for backups during technical failures
- Taking paper still recommended (and nice for planning and briefings!)

# Topo GPS



- We tested multiple apps: often different functionality per country
- Topo GPS: same app for Scandinavia + Holland + Germany
- Uses maps of the official topographic service per country
- Good results in last three seasons

TopoGPS is the digital standard for HLSK

**We still recommend to bring paper maps!**

# Installing



- To download Scandinavia (Android) you need 128 Gb
- Storage extension not easy on iOS, so download target area before you skate
- For Android, HLSK pays your memory SD card (deliver receipt to Paul van Os)
  
- Install TopoGPS, works for both Android and iOS
- Buy five maps for 4,- euro a piece: NO, SE, FI, NL, DE
- HLSK pays you 20,- euro after you mail Paul van Os you downloaded all
  
- Finally, take care you have the maps of your skating area downloaded
- Choose a country, zoom out, choose More → Map Download
- **And make sure one of the participants has TopoGPS on mobile phone too**

13:55

4G 97%



Strava



Topo GPS



Maps



OsmAnd



WhatsApp



Messeng...



Långfärd...



Isobsapp



Contacts



Gmail



Calendar



Settings



13:57

4G 97%



Maps



Layers



Waypoints



Search



Plan

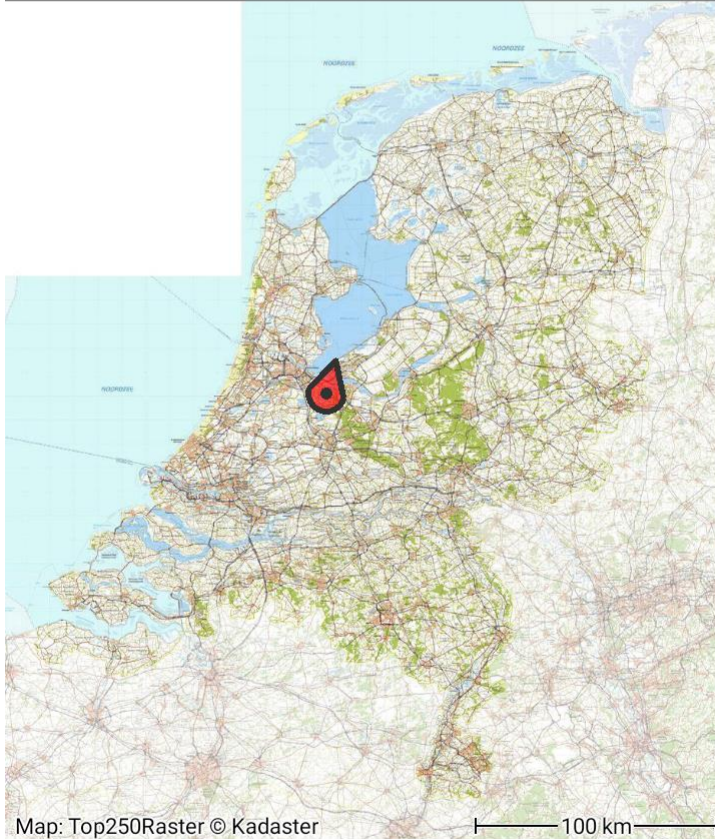


Camera



More

Offline accessible: 100%



Map: Top250Raster © Kadaster

100 km



1 alt m

0.1 km/h

km



h:m

km



Purchases

Sweden

Netherlands

Finland

Germany

Norway

Store

Australia

Austria   
1 year: €3.99

Belgium   
36 km²: €0.99 1 year: €12.99

Denmark   
€3.99



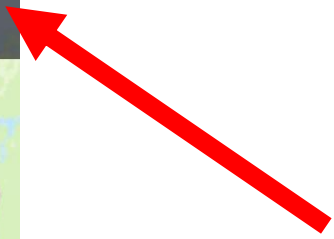
Offline accessible: 97 %

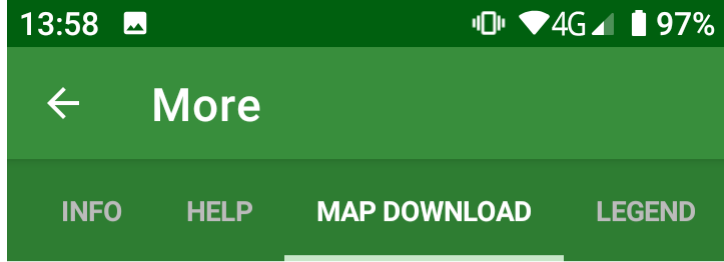


Map: Topografisk webbkarta  
Visning CC BY © Lantmateriet

500 km

1 alt m 0.1 km/h





CURRENT AREA

Offline accessible 97%

Updated 97%

Download for offline use

**DOWNLOAD (167 MB)**

Update stored map tiles

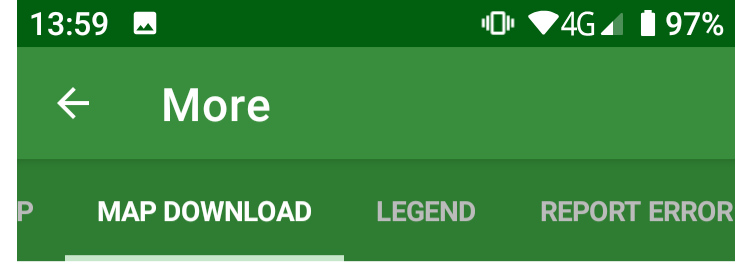
UPDATED COMPLETELY

Use cellular network

STORAGE

Current map 6.2 GB

All maps 50 GB



CURRENT AREA

Offline accessible 100%

Updated 0%

Download for offline use

DOWNLOADED COMPLETELY

Update stored map tiles

UPDATED COMPLETELY

Use cellular network

STORAGE

Current map 6.4 GB



# Strava



#GIVEKUDOS

- Strava has direct interface with [www.skridsko.net](http://www.skridsko.net)
- No need to export/import GPX-files
- Free version of Strava is sufficient
- Remember your login and password, you need it to couple SN to Strava
- You make the connection on My page in SN
- In färdrapporter, you can choose from the list of your Strava tracks

Gegevens

Tochten

Water

IJsobservaties

Kommentaren

Foto's

Films

Like

Email

Voornaam:

Rob

Achternaam:

Mulders

Alternatieve naam:

Telefoonnummer:

Telefoon ICE:

ICE = In Case of Emergency

Emailadres:

Profielfoto:

407885

Standaard kaartpositie:

[Toon \(wijzig\) je vooringestelde kaartpositie](#)


Mijn interessegebied:


[Definieer je eigen interessegebied](#)

Presentatie:

"Skate ASAP, but decide where ALAP"

Koppla inlogging:

 Sluit aan bij Facebook

 Sluit aan bij Google

 Koppelen vanuit Strava

EENMALIG

# Furthermore: apps for weather

Service	Website	App
Nederlandse KNMI	<a href="http://www.knmi.nl">www.knmi.nl</a>	KNMI
Norwegian Meteorological Institute	<a href="http://www.yr.no">www.yr.no</a>	YR
Sveriges meteorologiska och hydrologiska institut	<a href="http://www.smhi.se">www.smhi.se</a>	SMHI
Finnish Meteorological Institute	<a href="http://en.ilmatieteenlaitos.fi">en.ilmatieteenlaitos.fi</a>	FMI