National Report of Finland
St. Petersburg 2018

Jyrki Puupponen
National Land Survey of Finland

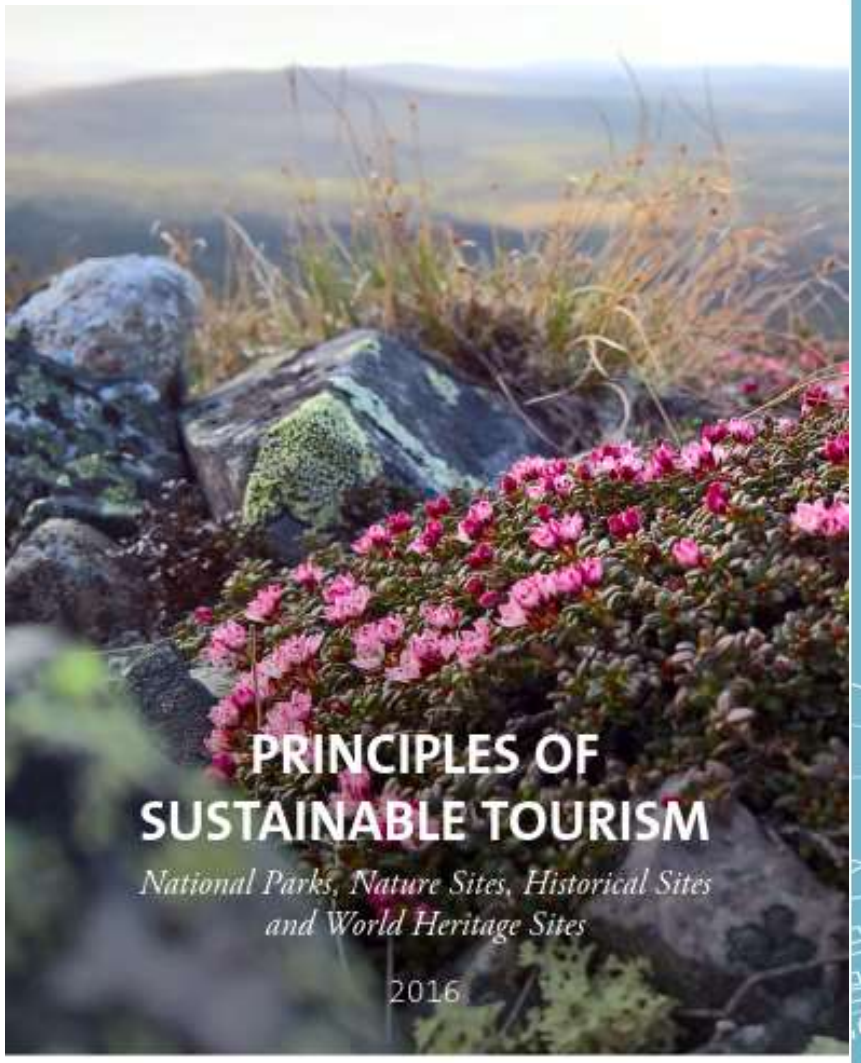
Association of World Heritage Sites in Finland

- On September 2016 all seven WH sites in Finland established assosiation
- for better cooperation between WH sites
- Meetings and conferences
- Employer taking care of projects
- Common projects like Visitor survey at WH Sites
  - Same questionare for all WH-sites
  - Association make puplication durign 2019

Principles of Sustainable Tourism

National Parks, Nature Sites, Historical Sites and World Heritage Sites have common Principles of Sustainable Tourism

Principles were done together and publiched 2016



1. Support the preservation of valuable features at the sites and promote their protection

2. Minimise the load on the environment

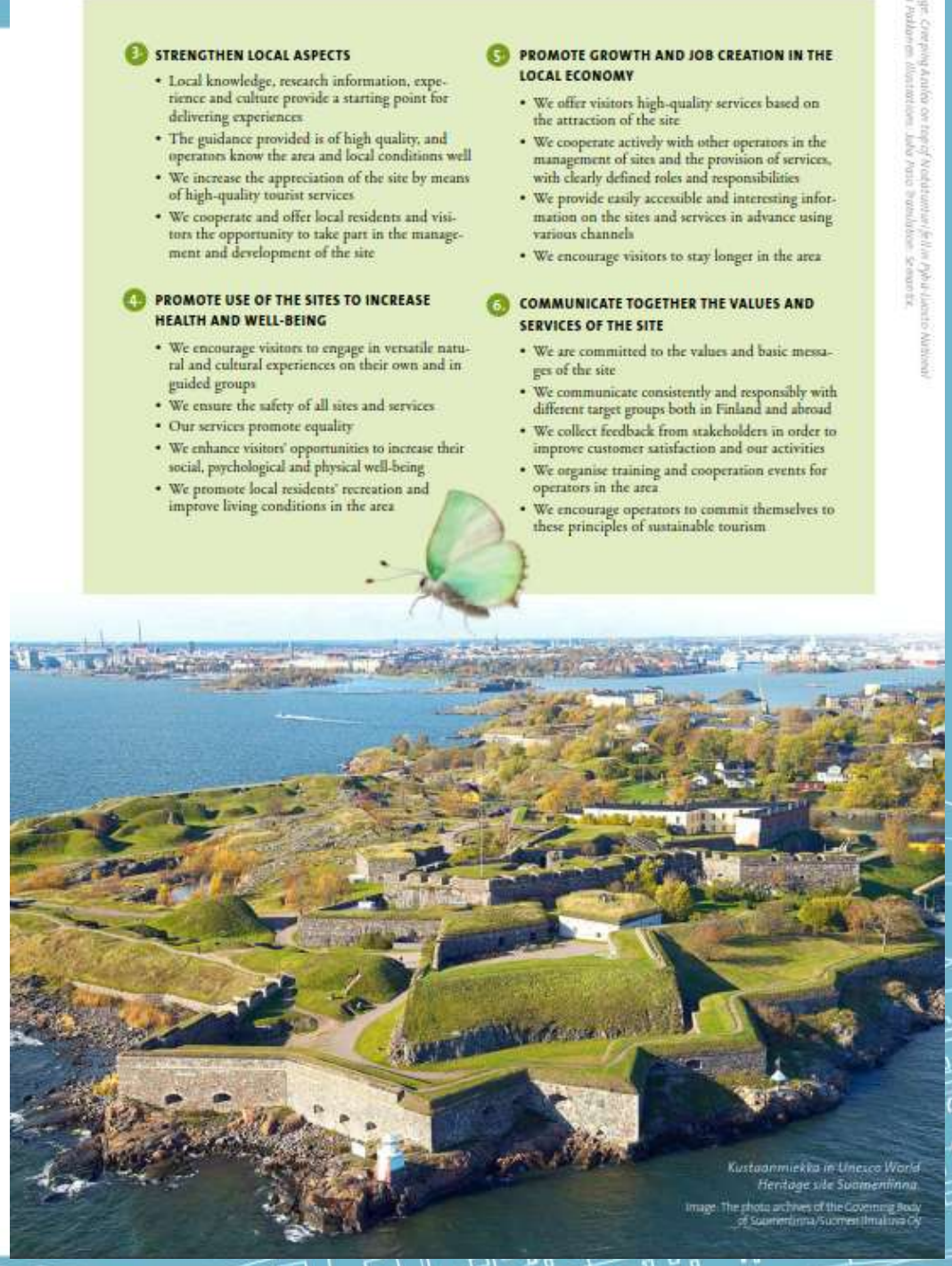
3. Strengthen local aspects

4. Promote use of the sites to increase health and well-being

5. Promote growth and job creation in the local economy6. Communicate together the values and services of the site

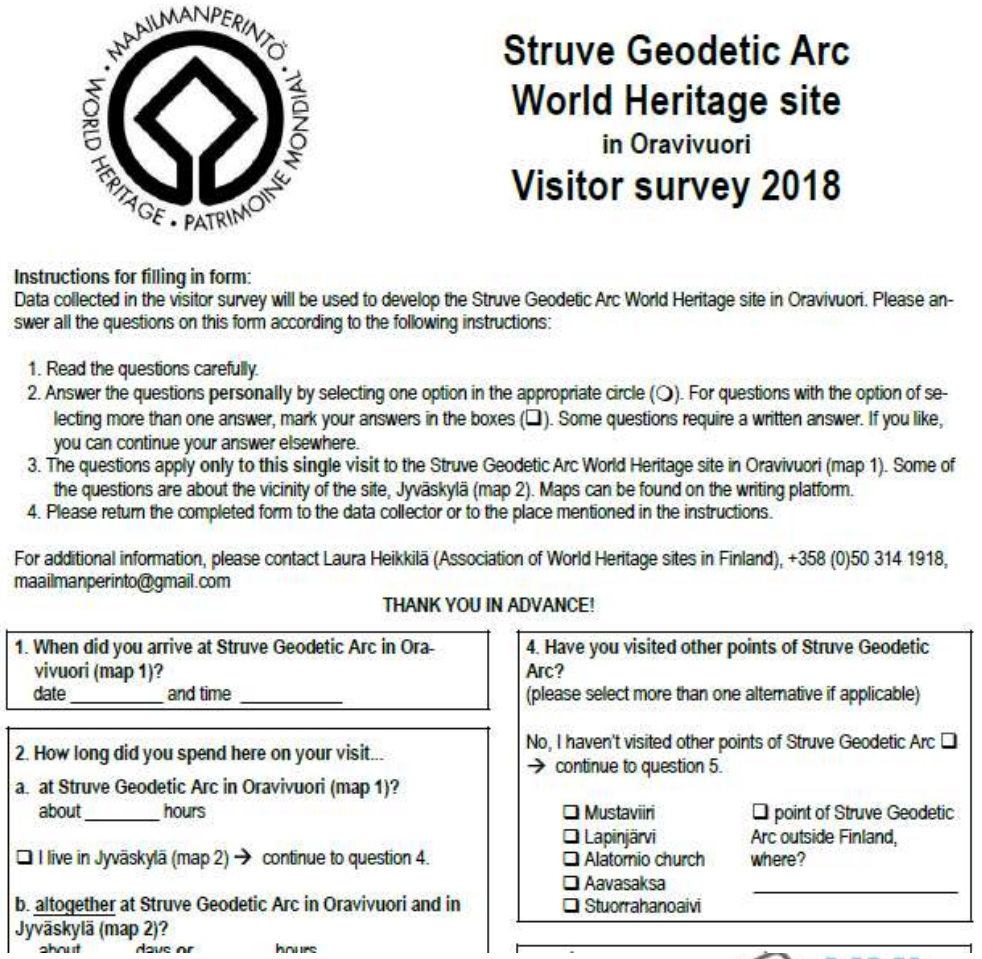
More detailed principles:

http://www.metsa.fi/web/en/sustainablenaturetourism



Visitor survey at Struve Arc Oravivuori

- During June – August 2018
- 25 question
- Active collection 10 days
- Passive collection during 25.6-31.8
- Ca. 150 filled forms
- During 10 days ca. 300 visitor at Oravivuori.
- During hole summer there are app. 3000 -5000 visitor
- Results are not ready yet publiched



MAAILMANPERINTÖ • WORLD HERITAGE • PATRIMOINE MONDIAL

Struve Geodetic Arc
World Heritage site
in Oravivuori
Visitor survey 2018

Instructions for filling in form:
Data collected in the visitor survey will be used to develop the Struve Geodetic Arc World Heritage site in Oravivuori. Please answer all the questions on this form according to the following instructions:

1. Read the questions carefully.
2. Answer the questions **personally** by selecting one option in the appropriate circle (❍). For questions with the option of selecting more than one answer, mark your answers in the boxes (❑). Some questions require a written answer. If you like, you can continue your answer elsewhere.
3. The questions apply **only to this single visit** to the Struve Geodetic Arc World Heritage site in Oravivuori (map 1). Some of the questions are about the vicinity of the site, Jyväskylä (map 2). Maps can be found on the writing platform.
4. Please return the completed form to the data collector or to the place mentioned in the instructions.

For additional information, please contact Laura Heikkilä (Association of World Heritage sites in Finland), +358 (0)50 314 1918, maailmanperinto@gmail.com

THANK YOU IN ADVANCE!

1. When did you arrive at Struve Geodetic Arc in Oravivuori (map 1)?
date _____ and time _____

2. How long did you spend here on your visit...

a. at Struve Geodetic Arc in Oravivuori (map 1)?
about _____ hours

❑ I live in Jyväskylä (map 2) → continue to question 4.

b. altogether at Struve Geodetic Arc in Oravivuori and in Jyväskylä (map 2)?
about _____ days or _____ hours

4. Have you visited other points of Struve Geodetic Arc?
(please select more than one alternative if applicable)

No, I haven't visited other points of Struve Geodetic Arc ❑ → continue to question 5.

❑ Mustaviiri
❑ Lapinjärvi
❑ Alatornio church
❑ Aavasaksa
❑ Stuorrahanoaivi
❑ point of Struve Geodetic Arc outside Finland, where? _____

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New web pages

- www.struve.fi
- Basic information about Struve Geodetic Arc
- Information for turists

Struve Geodetic Arc in Finland

The Struve Geodetic Arc is a chain of survey triangulation measurements stretching from the Arctic Sea to the Black Sea, through ten countries and over 2,820km. These are points of a survey, carried out between 1816 and 1855 by the astronomer Friedrich Georg Wilhelm Struve, which represented the first accurate measuring of a long segment of a meridian. This helped establish the exact size and shape of our planet and marked an important step in the development of earth sciences and topographic mapping. It is an extraordinary example of scientific collaboration among scientists from different countries, and of collaboration between monarchs for a scientific cause. The original arc consisted of 258 main triangles with 265 main station points. The listed Unesco World Heritage site includes 34 of the original station points, with different markings, i.e. a drilled hole in rock, iron cross, cairns, or built obelisks.

The Struve Geodetic Arc is a UNESCO World Heritage Site. Six of the station points that have been selected to represent the entire Arc on the World Heritage List are located in Finland. The station points have historical importance, but they also offer excellent views of the surrounding area.

The Struve Geodetic Arc has also been called the Russo-Scandinavian meridian measurement, because originally the Arc remained within two empires.

A part of our common world heritage

In 2005, the Struve Geodetic Arc was accepted into the UNESCO World Heritage List. The Struve Geodetic Arc represents the cultural heritage of science and technology.

United Nations Educational, Scientific and Cultural Organization

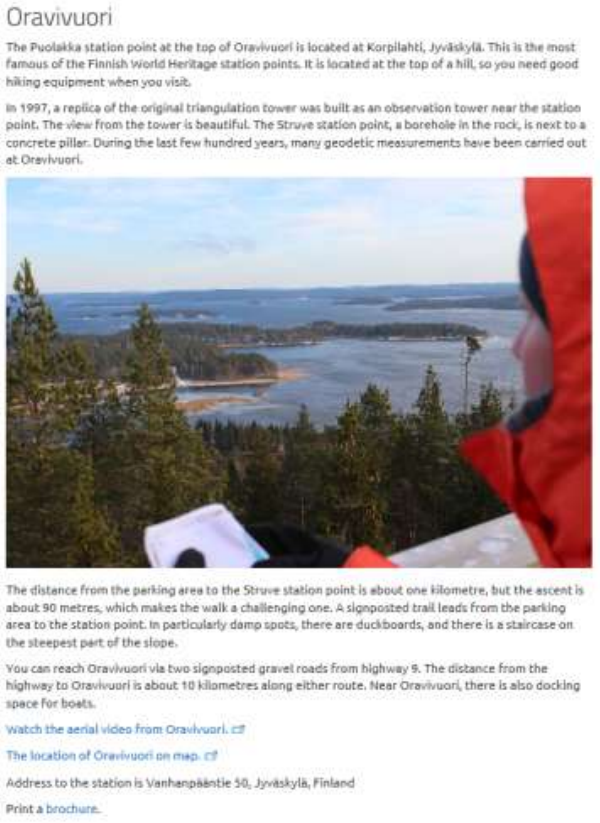
Struve Geodetic Arc inscribed on the World Heritage List in 2005

Today, the station points are located in ten countries: Norway, Sweden, Finland, Russia, Estonia, Latvia, Lithuania, Belarus, Ukraine and Moldova. The Struve Geodetic Arc was accepted into the World Heritage List following a joint proposal by these countries. A total of 34 station points have been selected for preservation. Six of these are located in Finland.

More information about World Heritage sites in

There are basic information, if you want to visit Struve site

link to webmap



Oravivuori

The Puolakka station point at the top of Oravivuori is located at Korpilahti, Jyväskylä. This is the most famous of the Finnish World Heritage station points. It is located at the top of a hill, so you need good hiking equipment when you visit.

In 1997, a replica of the original triangulation tower was built as an observation tower near the station point. The view from the tower is beautiful. The Struve station point, a borehole in the rock, is next to a concrete pillar. During the last few hundred years, many geodetic measurements have been carried out at Oravivuori.

The distance from the parking area to the Struve station point is about one kilometre, but the ascent is about 90 metres, which makes the walk a challenging one. A signposted trail leads from the parking area to the station point. In particularly damp spots, there are duckboards, and there is a staircase on the steepest part of the slope.

You can reach Oravivuori via two signposted gravel roads from highway 9. The distance from the highway to Oravivuori is about 10 kilometres along either route. Near Oravivuori, there is also docking space for boats.

Watch the aerial video from Oravivuori.

The location of Oravivuori on map.

Address to the station is Vanhanpääntie 50, Jyväskylä, Finland

Print a brochure.

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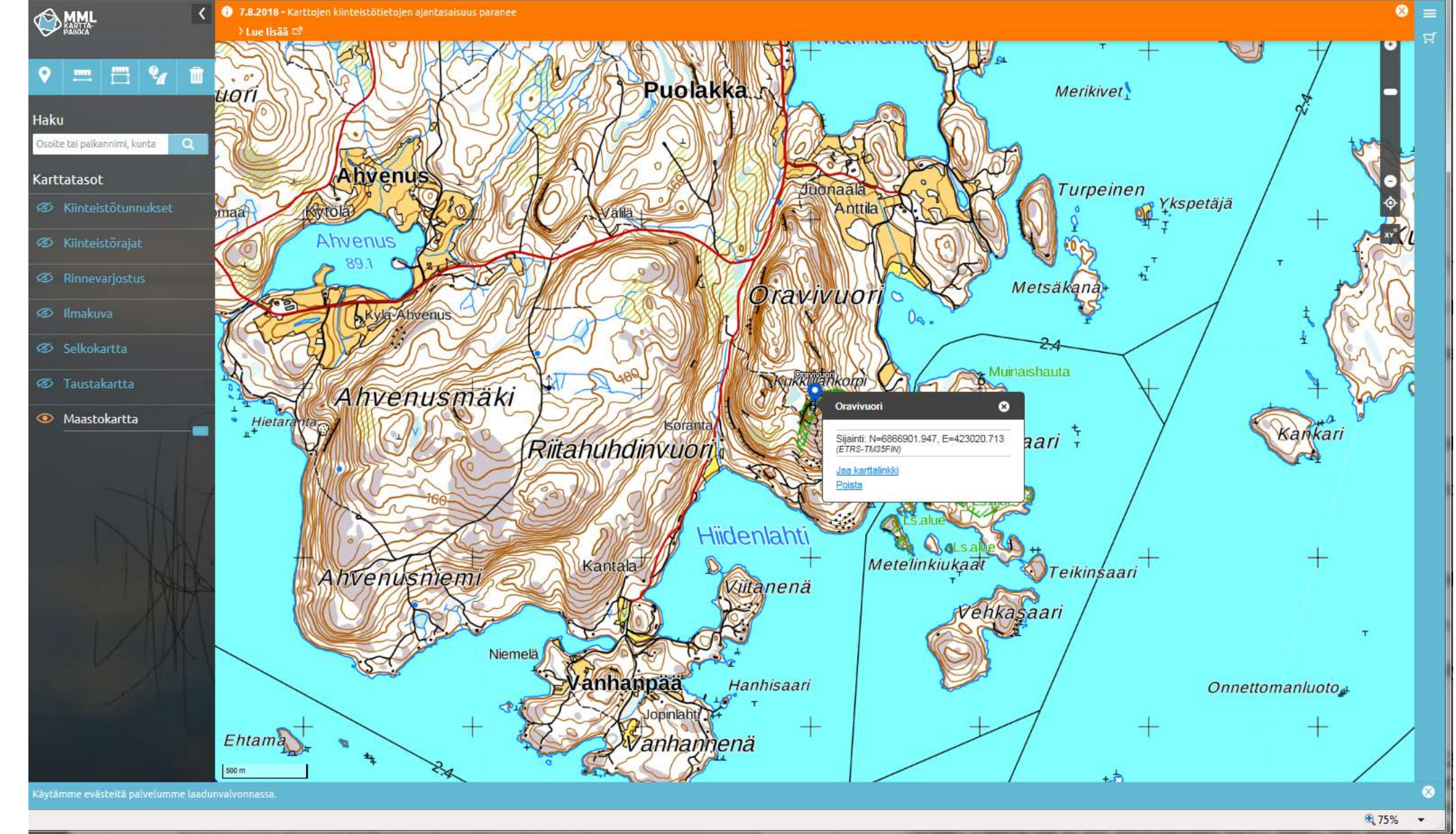
MML KARTTA-PAIKKA
7.8.2018 - Karttojen kiinteistötietojen ajantasaisuus paranee
Lue lisää
Haku
Osoite tai paikannimi, kunta
Karttatasot
Kiinteistötunnukset
Kiinteistörajat
Rinnevarjostus
Ilmakuva
Selkokartta
Taustakartta
Maastokartta
Puolakka
Merikivet
Ahvenus
Kytölä
Ahvenus
89.1
Kylä Ahvenus
Välilä
Juonaala
Anttila
Turpeinen
Ykspetäjä
Oravivuori
Metsäkana
Muinaishauta
Kukkuvankorpi
Oravivuori
Sijainti: N=6866901.947, E=423020.713
(ETRS-TM35FIN)
Jaa karttalinkki
Poista
Kankari
Ahvenusmäki
Hietaranta
Isoranta
Riitahuhdinvuori
Hiidenlahti
Kantala
Ahvenusniemi
Viitanenä
Metelinkiukaat
Teikinsaari
Vehkasaari
Niemelä
Vanhanpää
Hanhisaari
Jopinlahti
Vanhannenä
Ehtamä
Onnettomanluoto
500 m
Käytämme evästeitä palvelumme laadunvalvonnassa.
75%

There is basic information if you want to visit at Struve site

Printable brochure

Oravivuori

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Watch the aerial video from Oravivuori.

The location of Oravivuori on map.

Address to the station is Vanhanpääntie 50, Jyväskylä, Finland

Print a brochure.

Struve Geodetic Arc

Oravivuori World Heritage site

The station point on top of Oravivuori in Korpilahti was surveyed and marked with a drillhole in the bedrock in 1834. Since the measurements for the Struve Geodetic Arc, Oravivuori has been one of the main geodetic station points in Finland. On the site, there is a replica of a triangulation tower in commemoration of the significance of the area for cartography in Finland. Enjoy your visit to the station point and the magnificent lake view.

Information about the site

Oravivuori is a historically significant place. The station point in Oravivuori represents the Struve Geodetic Arc in UNESCO's World Heritage List.

Read more about the Struve Geodetic Arc at www.struve.fi

Distances

45 km from Jyväskylä, 30 km from Jämsä, 15 km from Korpilahti

Parking space address: Vanhanpääntie 50, Jyväskylä

Geographic coordinates of the station point (ETRS89 / WGS84):
Latitude: 61° 55,606' North
Longitude: 25° 32,018' East

There are no campfire sites and you are not allowed to light a fire in the area. Please do not litter the area!

MML MAANMITTAUSLAITOS JYVÄSKYLÄ UNESCO

#StruveGeodeticArc #WorldHeritage

- Distances
- Address for Parking area
- Geographical coordinates
- Information what you need for visit
- and MAP

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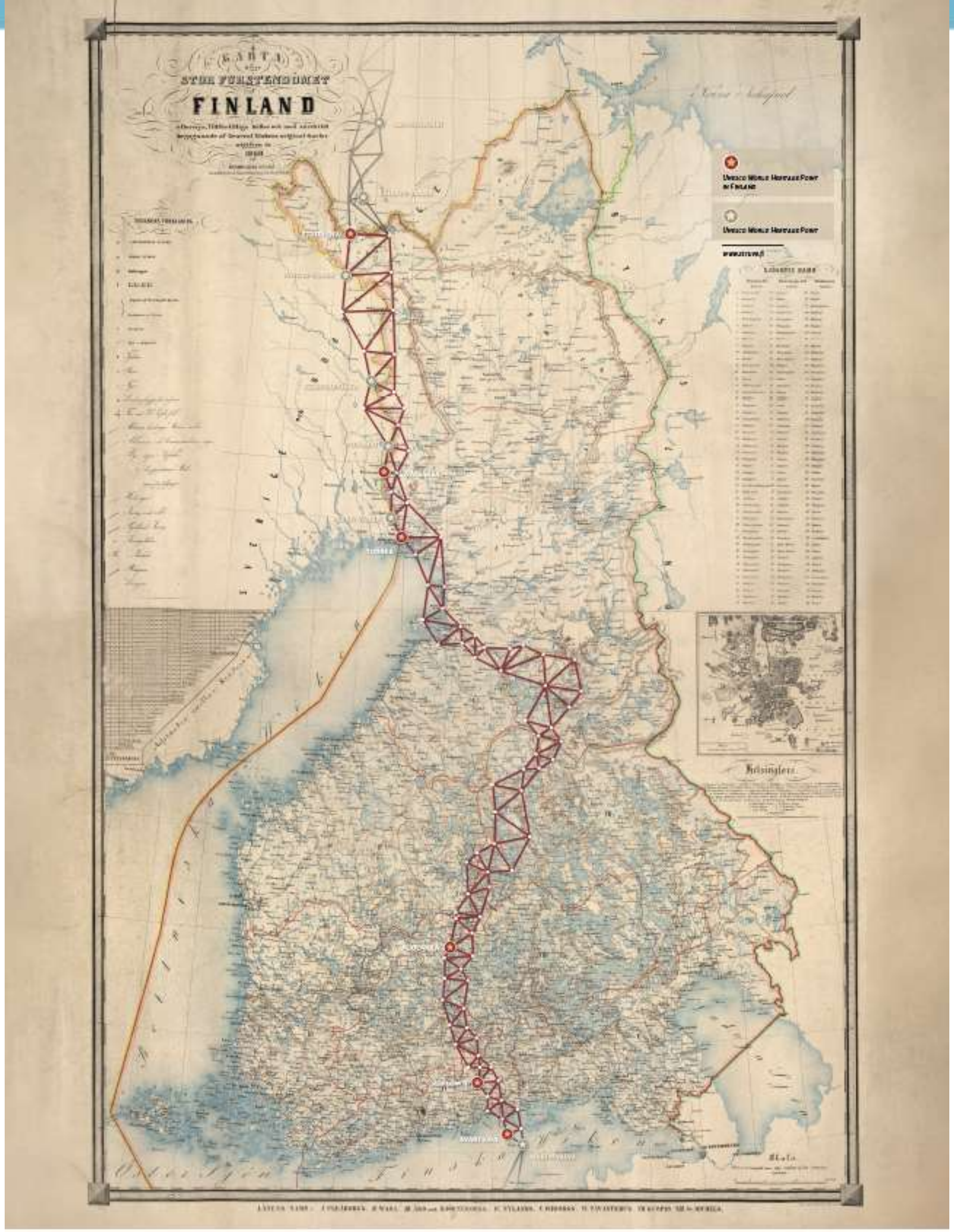
Map for navigation and orientering.

There are signs with information about the Struve Geodetic Arc at main road 9 in the points on the map below. There are signs guiding you from main road 9 to the parking space along the red dash line. There is a one kilometre long trail leading from the parking space to the Struve station point.
The climb from the parking space is more than 90 metres, so please reserve enough time and bring a positive mood.

Remember to wear proper shoes and to dress according to the weather.



Struve Geodetic Arc
in Finland 1830-1852

STUORRAHANOAIVI

Enontekiölle Stuorrahanoaivin huipulle mitattiin ensimmäinen piste vuonna 1850 ja toinen 1852. Molemmat pisteet merkittiin kiveen kaiverretuilla ristellä, mutta vain vuoden 1852 risti on enää jäljellä. Stuorrahanoaivi on Mustaviirin ohella ainoa Suomen pisteistä, joka ei sijaitse turistireitillä, vaan vaatii parin päivän patikoinnin joko Enontekiö-Kautokeino-tieltä tai Kilpisjärventieltä Karesuvannosta.

AAVASAKSA

Ylitorniolle mitattiin Aavasaksan piste vuonna 1845. Pisteen merkiksi kallioon kaiverretut ristit jäivät vuonna 1969 rakennetun näköalatornin alle. Aavasaksa on ollut vuosisatoja tunnettu kauneudestaan ja keskiyön auringostaan. Struven retkikunta ei kuitenkaan valinnut Aavasaksaa mittauspisteeksi luonnonkauden tähden, vaan siitä käytännön syystä, että vaaran laelta oli hyvät näköyhteydet seuraaville pisteille.

ALATORNION KIRKKO

Struven ketjun mittauksissa hyödynnettiin kahta rakennusta. Toinen oli Tarton tähtitorni ja toinen Alatornion kirkon torni. Kellotornin huippu on 40 metriä merenpinnan yläpuolella, ja sieltä oli hyvät näköyhteydet seuraaville pisteille. Torni mitattiin vuonna 1842.

ORAVIVUORI

Korpilahdella Oravivuoren huipulla sijaitseva piste mitattiin ja merkittiin poranreiällä kalloon vuonna 1834. Struven ketjun mittauksista lähtien Oravivuori on ollut eräs Suomen geodeettisista peruspisteistä. Paikalla on nyt Maanmittauslaitoksen ja Geodeettisen laitoksen (nyk. Paikkatietokeskus) yhdessä rakennuttama kolmiomittaustornin kopio muistona alueen merkityksestä Suomen kartoitukselle.

PORLAMMI

Porlammin piste Lapinjärven Tornikalliolla mitattiin vuonna 1833. Eroosion kuluttama poranreikä on edelleen havaittavissa. Nykyisin alue on osittain metsän peittämä, mutta tästä huolimatta suosittu näköalapaikka.

MUSTAVIIRI

Mustaviirin piste mitattiin ja merkittiin poranreiällä kalloon vuonna 1833. Pisteen vieressä on nykyään näkötorni, josta on komeat maisemat Itäisen Suomenlahden kansallispuistoon. Mustaviiri on merellinen saari, joka sijaitsee noin 30 kilometrin päässä Loviisasta.

Struven ketju
1816-1855

Unescon maailmanperintöluettelossa Struven ketjua edustaa 34 pistettä kymmenestä maasta. Kuusi maailmanperintöpistettä sijaitsee Suomessa.

www.struve.fi

World Heritage seminar in Lapland

- April 2018
- Meeting for WH Assosiation
- Visit Stuorrahanoaivi Struve site
- Open Seminar for all


STOP


BATTERY


Arctic Safaris

Thank you!

Questions?