

Periskal 2019



Inland ECDIS Harmonization Group
New Orleans, 22-24/10/19

Periskal at a glance

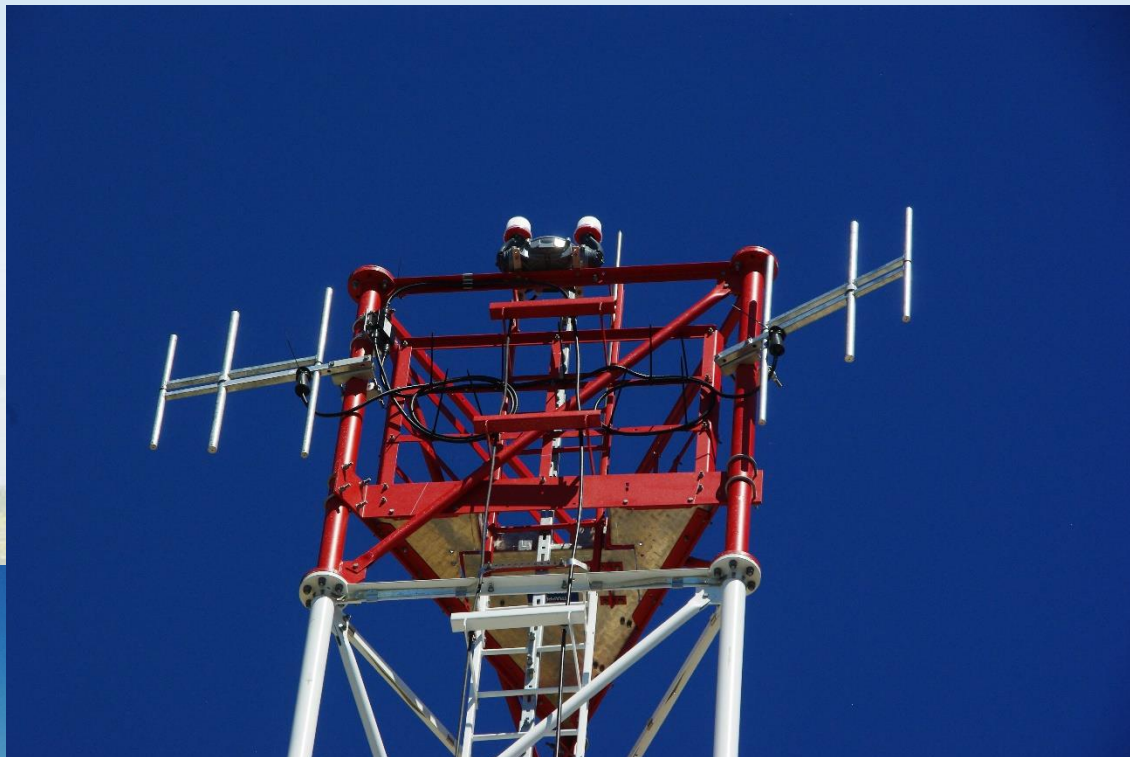
- Software company, head office Belgium, sister companies in Rumania (Periskal srl) and the Netherlands
- Since 1990, focus on Inland ECDIS systems and RIS technology, more than 9000 inland barges in Europe using it, more than 20 employees
- Via daughter company Chartworx active in Fishing and workboats, about 2000 fishing vessels mainly in Europe using it in daily business. Approved E-logbook in NL and UK
- Daughter company Noordersoft bv active in Inland Shipping and pleasure craft market with PC-Navigo.

- Main products/core business:
 - Inland ECDIS Viewer and Periskal Radar Overlay from Periskal
 - PC-Navigo from Noordersoft (also Inland ECDIS)
 - Application for Fishing vessels and workboats, including E-logbooks, brands QuadFish/TheMap and Trax
 - Software components for River Information Services like Inland ECDIS, Notice to Skipper, Electronic Reporting and Track and Trace, Hydro Meteo, Video Surveillance
 - Hardware components & complete AIS Base Stations networks have been installed in Belgium, Bulgaria, Serbia, France, Poland and India.
 - Inland ECDIS Chart production for Belgium, Poland, Italy,
 - Certified: DNV-GL ISO 9001 -2015 and DNV-GL ISO 14001 - 2015

Shore Based Infrastructure

- Installation of AIS Base Stations along the river
- Hydro and Meteo Network
- Webtracking Application

AIS directional antenna's



Search



Chart information

LATITUDE 50° 45' 19.35" N
 LONGITUDE 4° 3' 6.31" E
 DIRECTION 0°
 SCALE 1 / 1000000
 AIS OBJECTS 397

Chart options

Pick Report

Details Window



Web based Tracking solution for SPW (Service Public Wallonie – Belgium) portal using Inland ENC's and AIS data

ENC Chart Production

- Standard Inland ENC in format 2.4
- Production of Bathymetric IENC
- Standard tool set for production using software from Seven C's and FME
- Various types of source data can be used
- Training/Consultancy
- References : France, Belgium, Serbia, Poland and Italy

IENC Chart Production

Source Data

*Topography
(shp, dxf,...)*

*Bathymetry
(asc, dxf,...)*

*Aids to Navigation
(shp, xls,...)*

Data Conversion

**FME
/
FME S-57
Writer
(7Cs)**

Chart Production

**ENC Designer
(7Cs)

ENC Optimizer
(7Cs)**

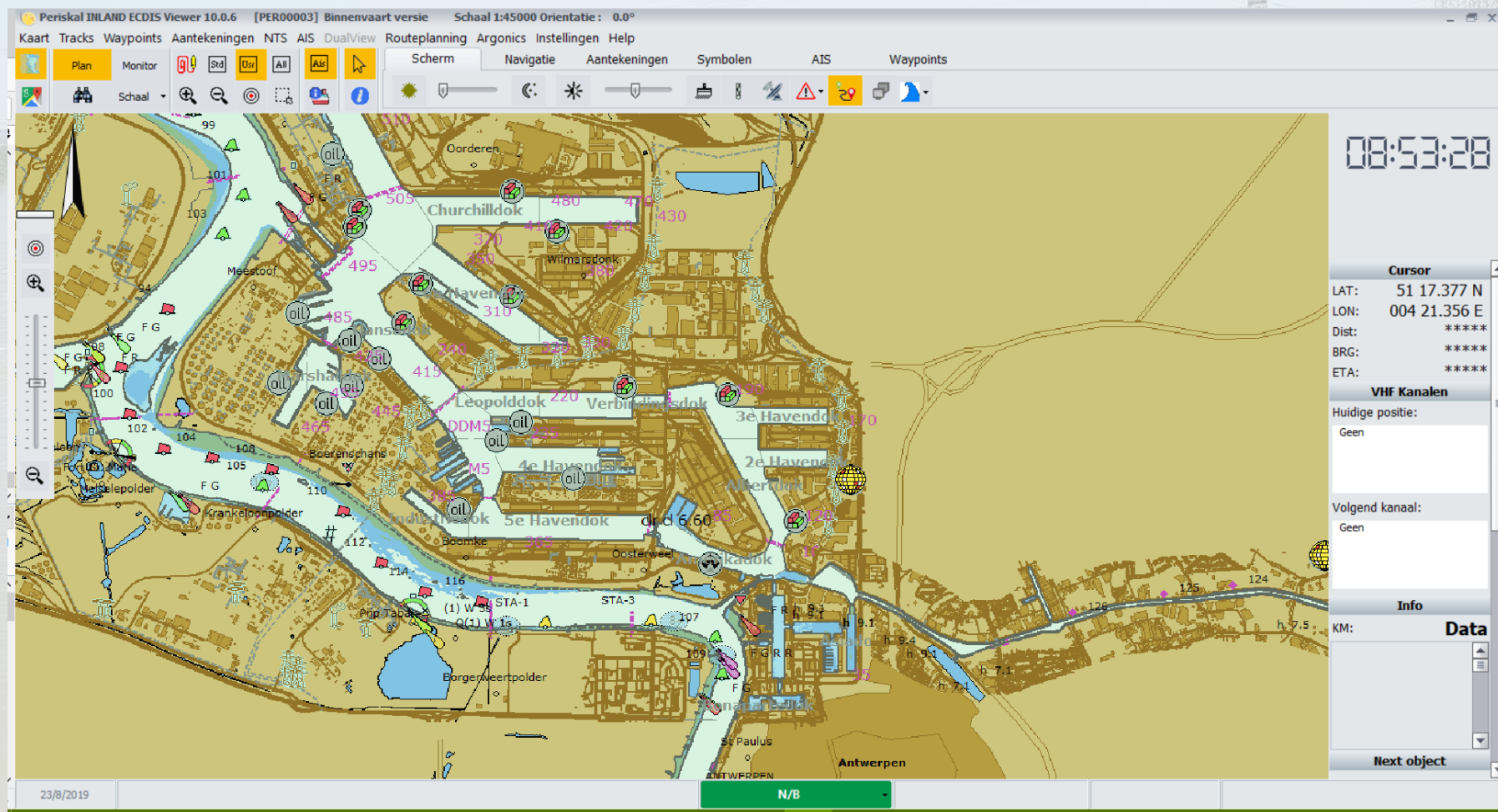
Quality Checks

**ENC Analyzer
(7Cs)**

On board solutions

- Using IENCs and bathymetric IENC's
- Using (Inland) AIS
- Reception of Notices to Skipper messages
- Reception of Water Level information
- Reception of Hydro and Meteo information
- Using Radar (optional)
- Routeplanning functionality

Periskal Inland ECDIS Viewer



Notice to Skipper

Periskal INLAND ECDIS Viewer 10.0.6 [PER05573] Inland Navigation version Scale 1:7500 Orientation: 85.0°

Chart Tracks Remarks NTS AIS DualView Routeplanning Settings Help

Plan Monitor Scale

Navigation Remarks Symbols AIS

Convey message

Voerde (Niederrhein)
Niederrhein

Löhnen

23/8/2019 [22] Duisburg Revierzentrale (Wesel) N/A

Management Message RIS

Open message

Fairway and traffic related message

Country	Date
AT	2019-09-04
AT	2019-08-28
AT	2019-06-12
AT	2019-06-09
AT	2019-08-05
AT	2019-07-19
AT	2019-07-03
AT	2019-06-17
AT	2019-06-13
AT	2019-06-06
AT	2019-04-24
AT	2019-04-02
AT	2019-03-13
AT	2019-02-27
AT	2018-12-13
AT	2018-06-14

Fairway

Sender of the message: Schiffahrtsaufsicht Linz
Originator of the information: bmvit
Country where message is valid: AT
Original language: DE
District/region within country: Linz
Date of issue: 2019-06-13

Subject: Announcement
Period of validity: 2019-06-13 - 2019-12-31
Contents: Aufgrund von Bauarbeiten bei Strom-km 2136,5 bis Strom-km 2136,7, rechtes Ufer, steht die öffentliche Lände Linz - Obere Donaulände der Schifffahrt nicht zur Verfügung.
Notice source (authority): Schiffahrtsaufsicht Linz
Reason of notice: Building work

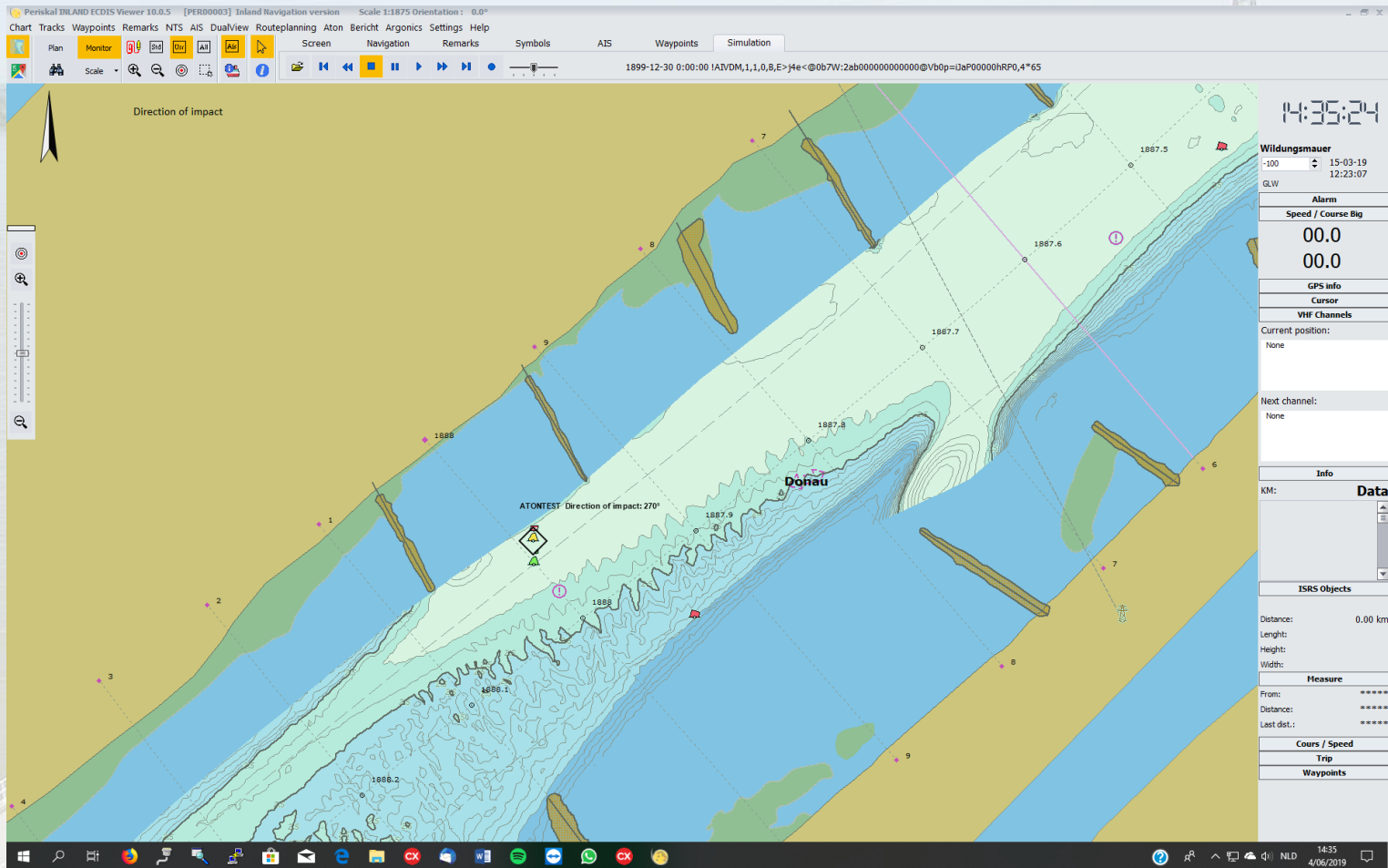
Waterway or fairway section

Name of Geo object: Donau
Identification: River km. 2 136.5 (ATXXX000010000021365)
River km. 2 136.7 (ATXXX000010000021367)
(type of object): Berth
Object coordinates: 48 18.3720 N 14 016.0260 E
48 18.4200 N 14 015.8820 E

Kind of limitation: Blockage
Position (of limitation): Right bank

OK

Inland AtoN AIS



AIS Bridge Clearance

The screenshot displays the PERISKAL INLAND ECDIS Viewer 10.0.5 interface. The main map area shows a section of the Danube river in Vienna, Austria, with several bridges marked. A red circle highlights the Praterbrücke (Wien) (H: 8.24) with a clearance of 1.111m. A red arrow points to the Praterbrücke (Wien) (H: 8.24) with a clearance of 1.111m. The interface includes a menu bar at the top with options like Kaart, Tracks, Waypoints, Aantekeningen, NTS, AIS, DualView, Routeplanning, Aton, Bericht, Argonics, Instellingen, and Help. A toolbar below the menu bar contains various navigation and editing tools. On the left side, there is a vertical toolbar with a compass, a scale bar, and a list of objects. On the right side, there is a sidebar with a list of objects and a data panel. The data panel shows the following information:

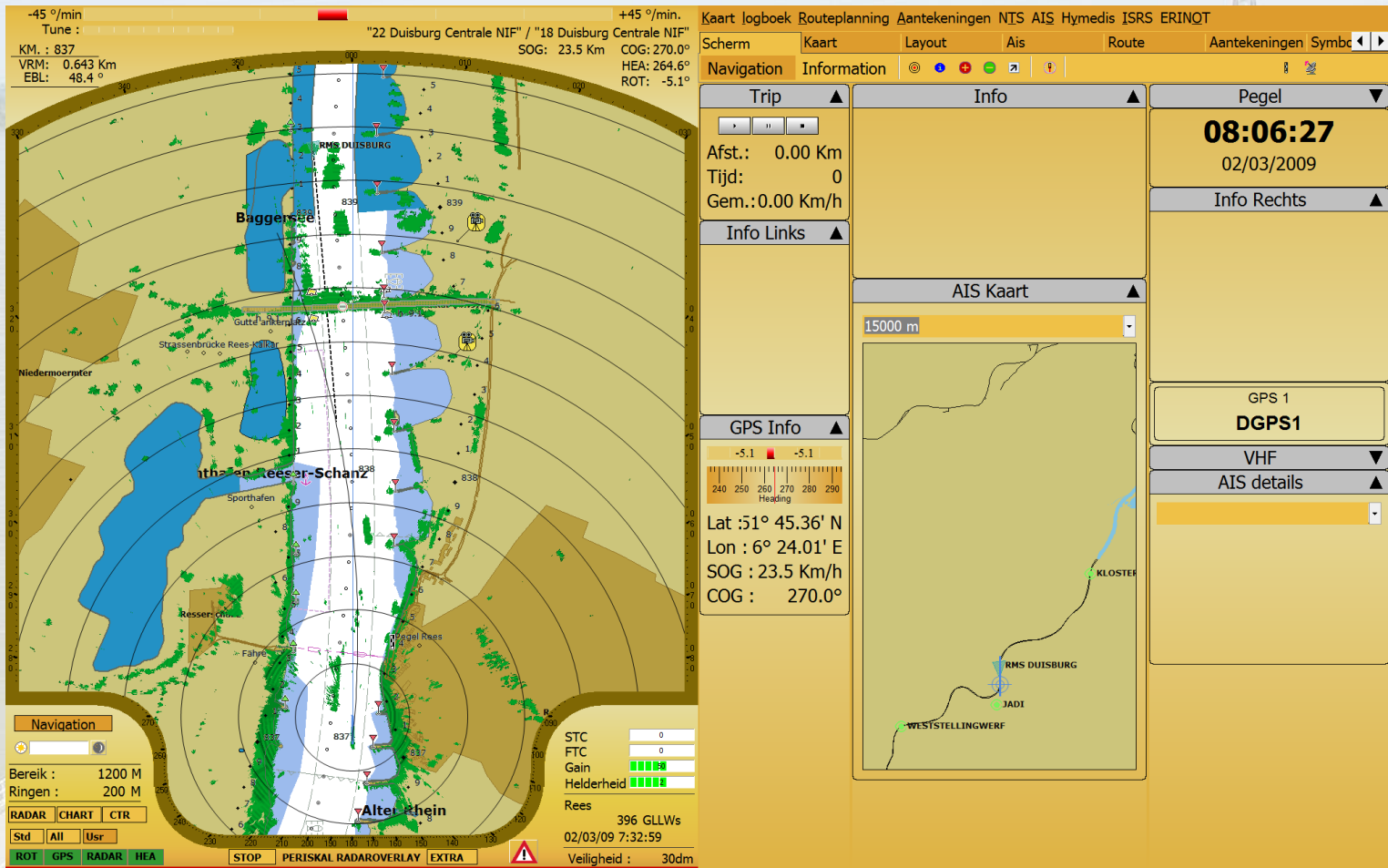
Info	
KM:	Data

ISRS Objects	
Distance:	0.00 km
Length:	
Height:	
Width:	

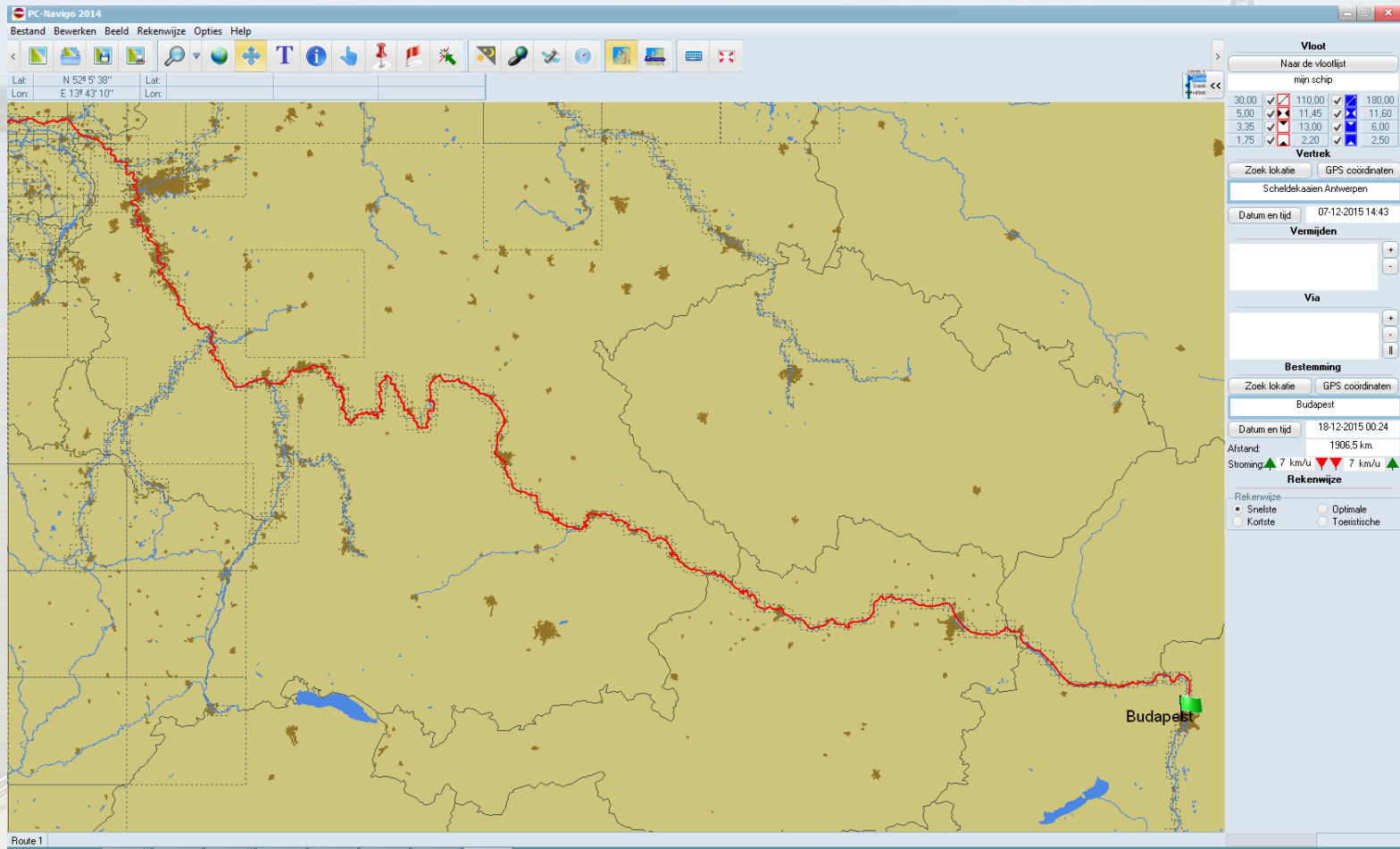
Meten	
From:	****
Distance:	****
Last dist.:	****

Koers / Snelheid	
Trip	
Waypoints	

Periskal Radar Overlay



PC-Navigo



Thank you for your attention

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