



Marble – A Swiss Army knife for Maps

Latest Developments of the Free Software Virtual Globe

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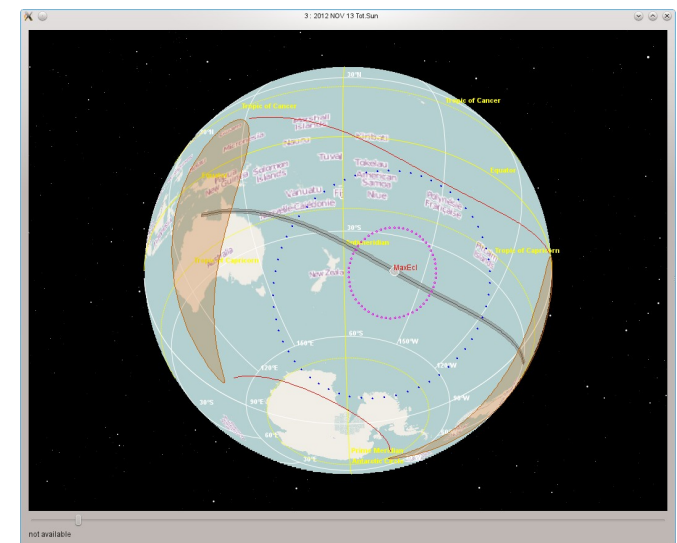
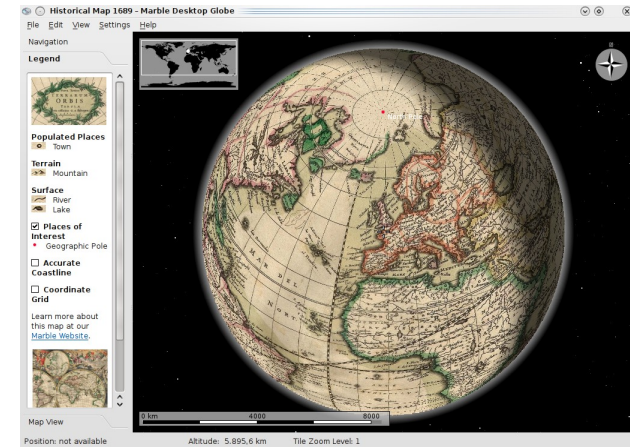
MARBLE



What Marble Is All About

- **For users: an easy to use map application**
 - Find Your Way and Explore the World
- **For developers: a map widget and a software library**
 - A geolocation and mapping framework
 - Entirely based on Qt
 - Design and API Qt compliant
 - Qt Quick support

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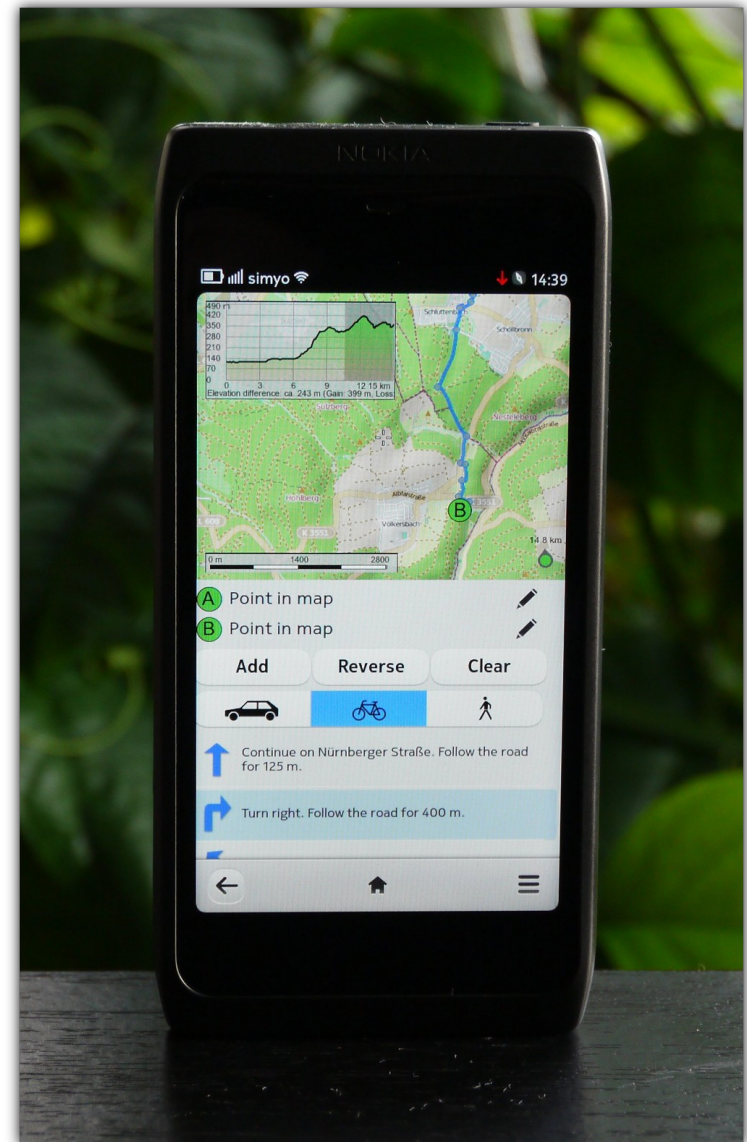


MARBLE



- Free Software (LGPL 2+)
- Promotes Free Maps
 - OpenStreetMap
- Qt / C++
- Version 1.3: January 25, 2012
KDE 4.8
- Supported platforms:
 - Desktop: Linux, Windows, Mac OS X
 - Mobile: Nokia N900, N950, N9
- Community project

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- **Standard map themes**

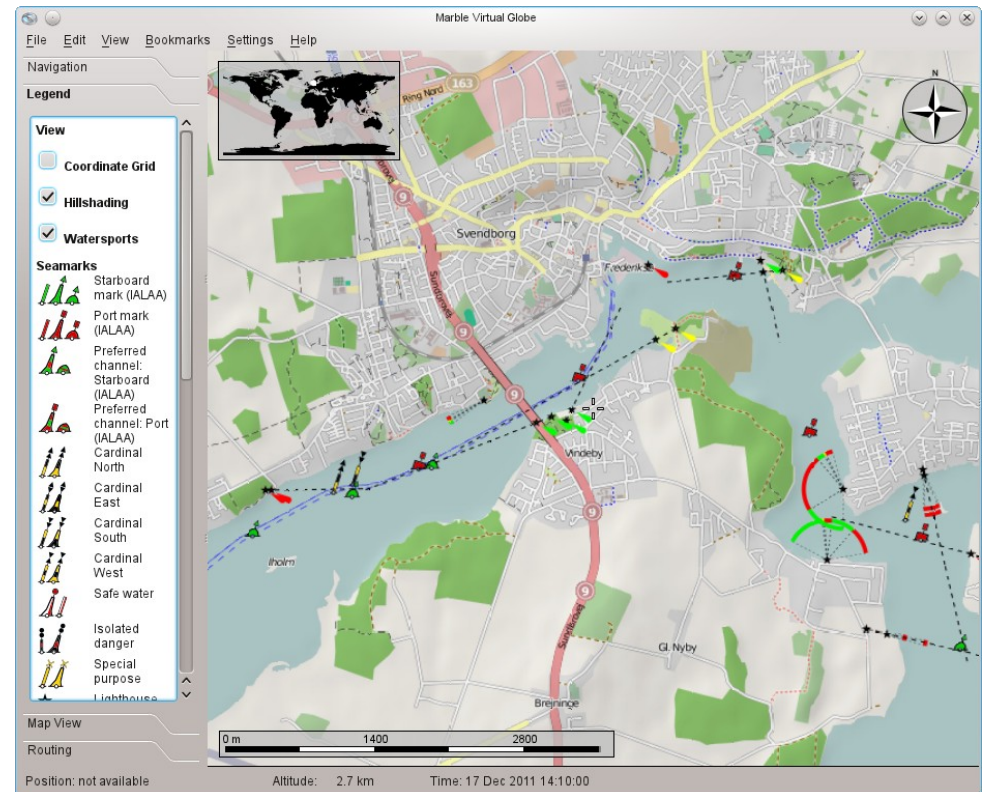
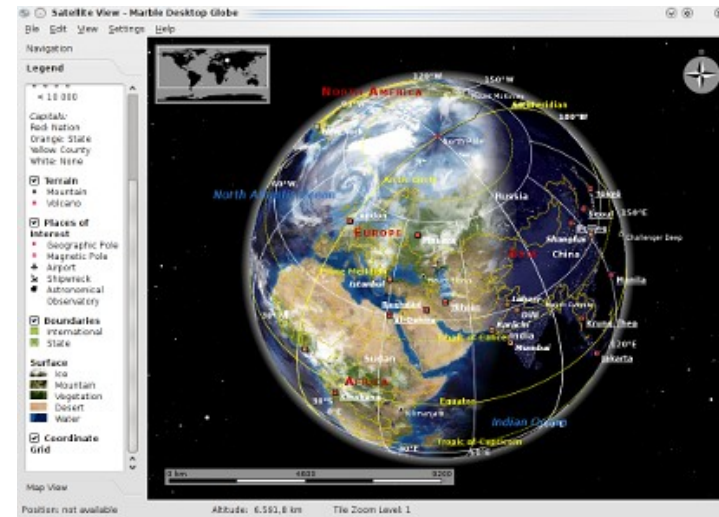
Atlas, Satellite View, Plain Map, Open StreetMap, Earth at Night

+ more than 40 other ready-made map themes

- **Open Sea Map**



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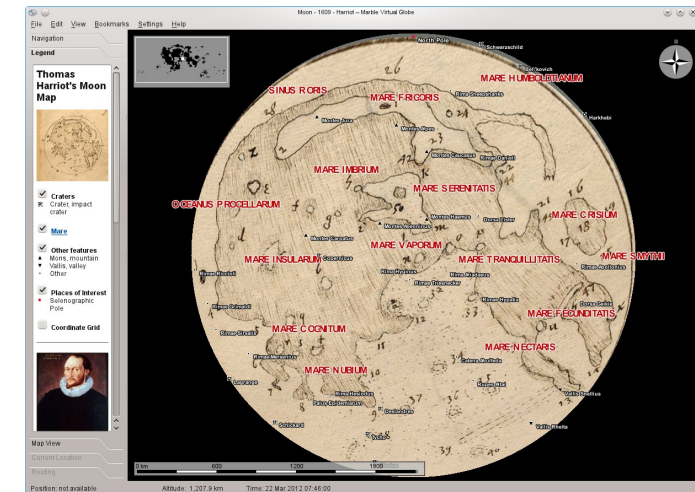
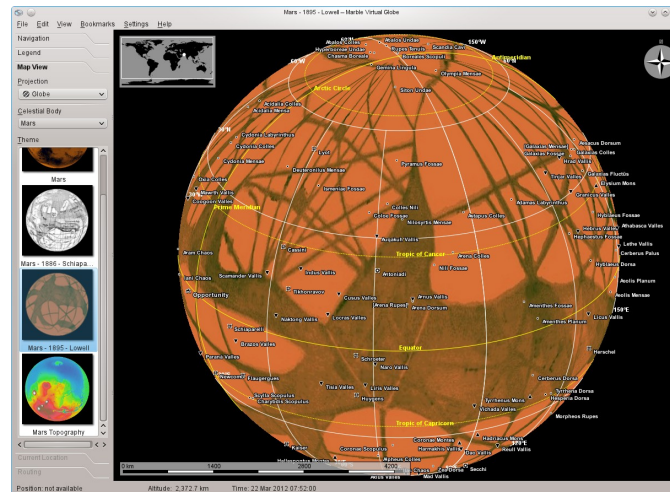
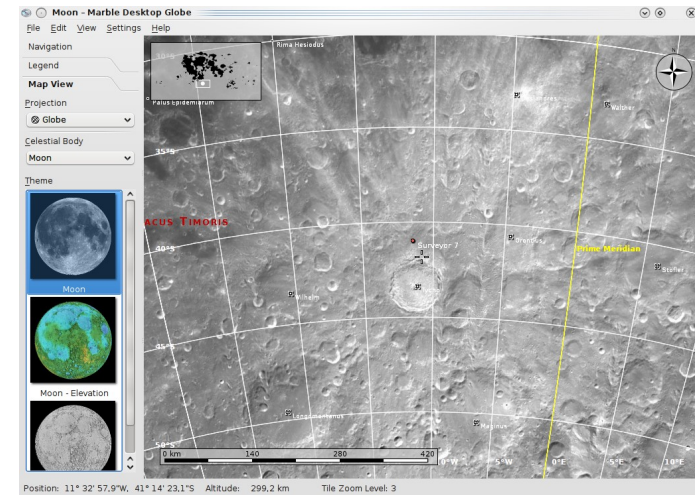




MARBLE



- Support for other planets
Earth, Moon,
Mercury, Venus, Mars ...
- Historic maps of Mars/Moon



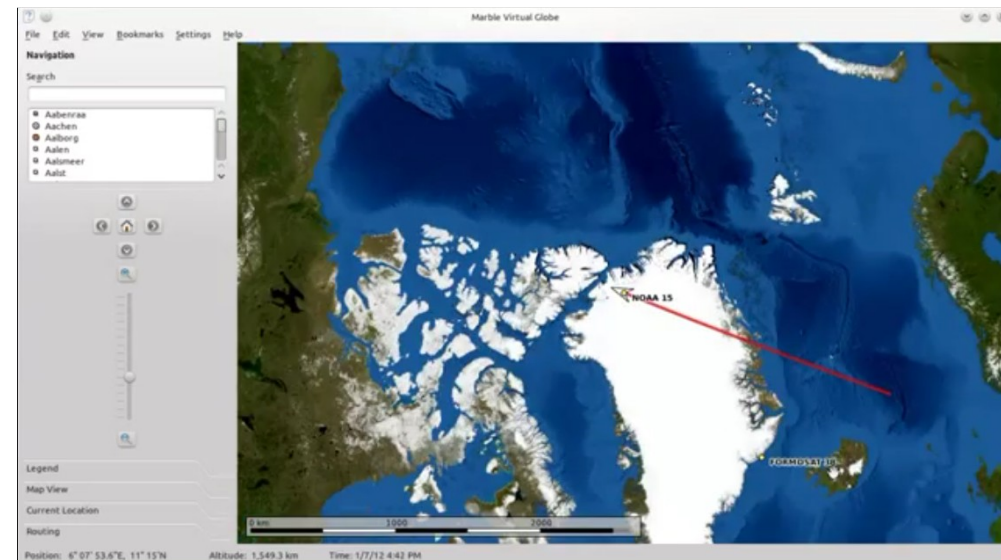
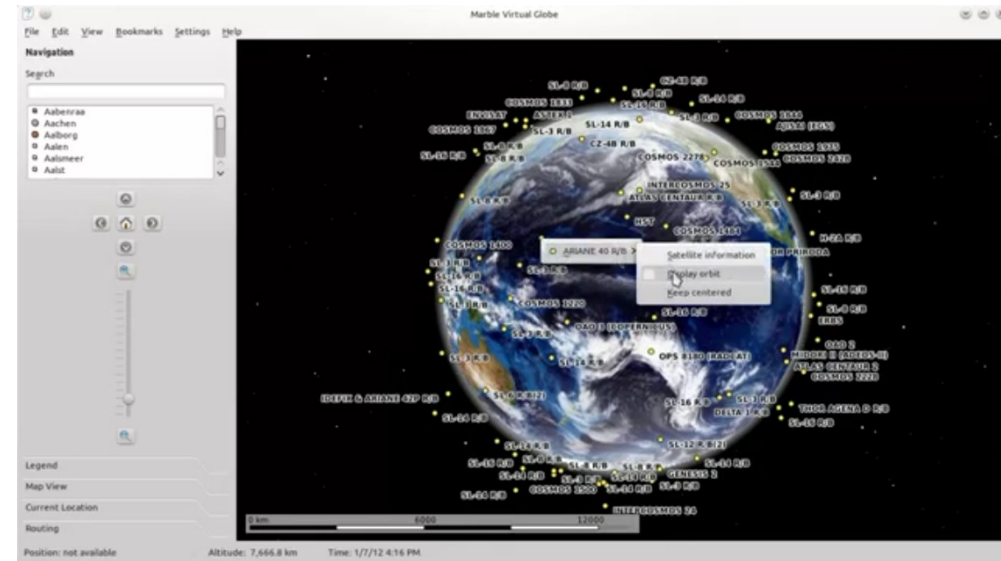


MARBLE



- ESA Summer of Code in Space 2011
- Organized by Advanced Concept Team
- Satellite plugin by Guillaume Martres

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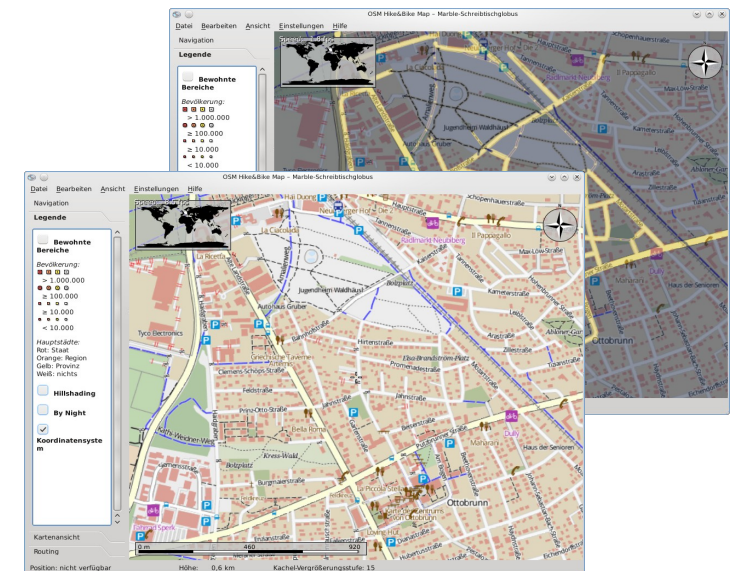
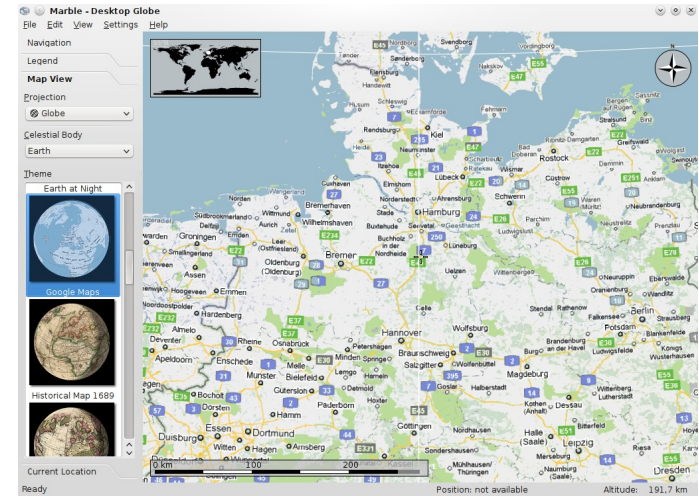




MARBLE



- Map Creation Wizard
- Map Data: Tile Server Layout
 - OpenStreetMap
 - Google Maps, Ovi Maps
 - TMS Support (1.4)
 - WMS Support
 - Custom storage layouts
- Multiple Layers with Filters



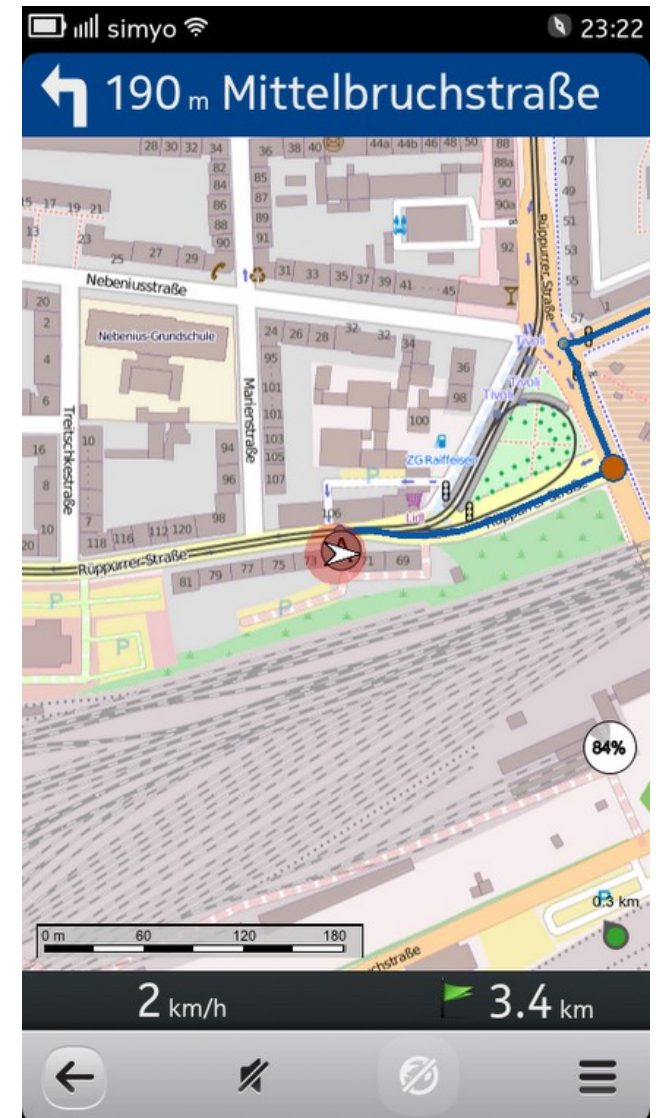


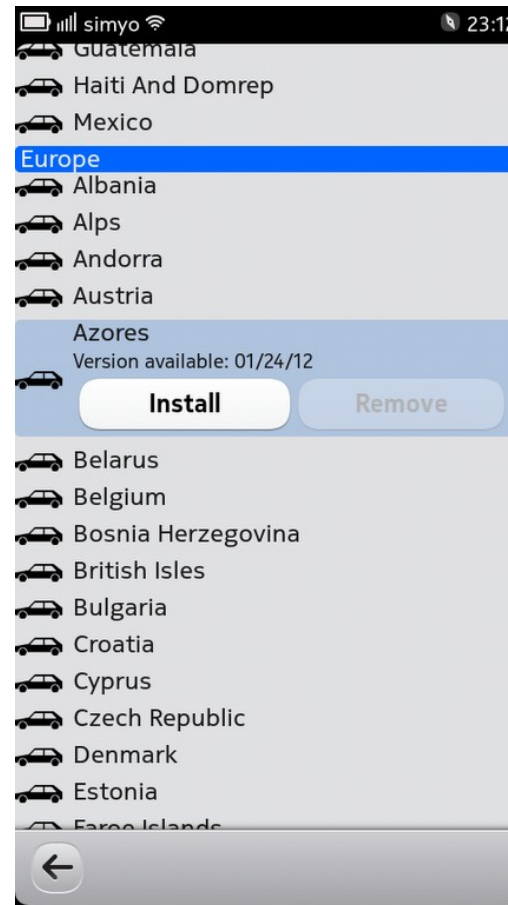
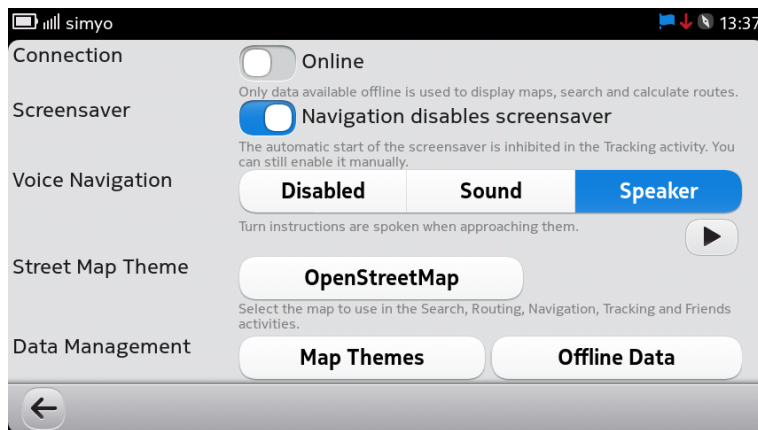
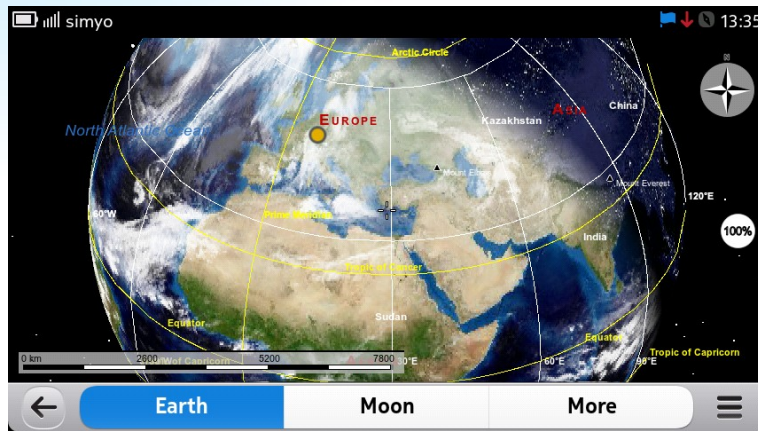
MARBLE



- **Marble Touch**
 - introduced with GSoC 2011
 - activity-based UI for mobile
 - uses Marble's QML support
 - experimental in Marble 1.3
 - also available in Nokia Store

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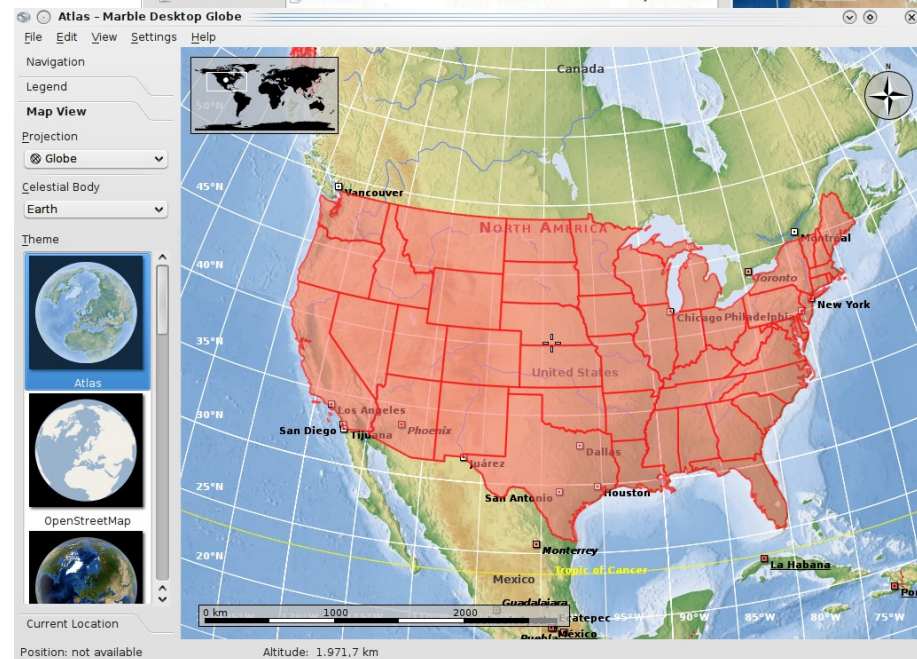
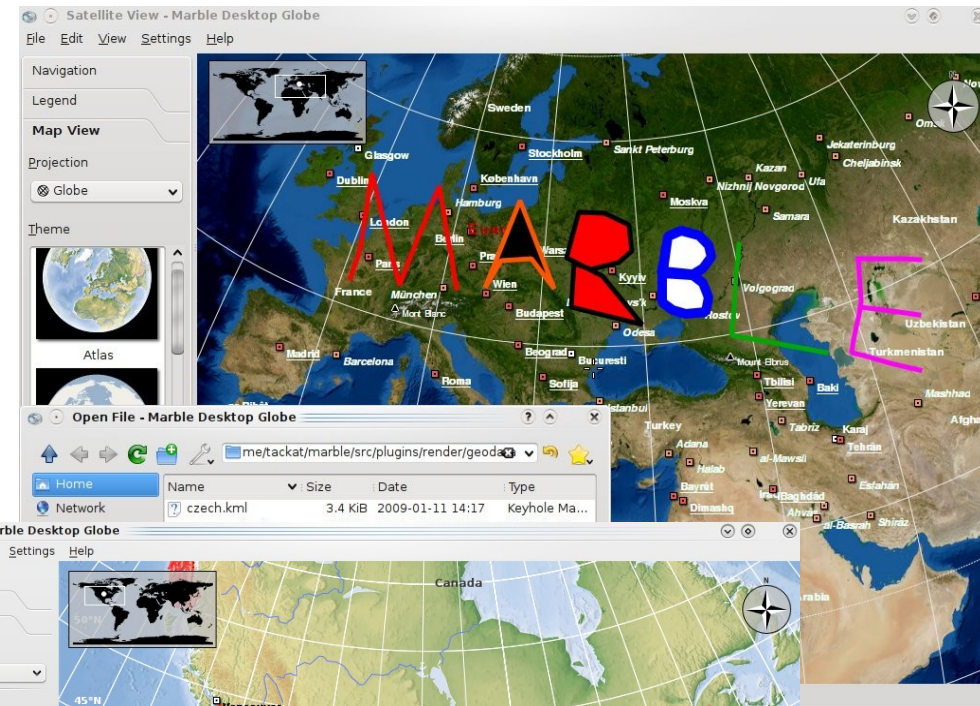
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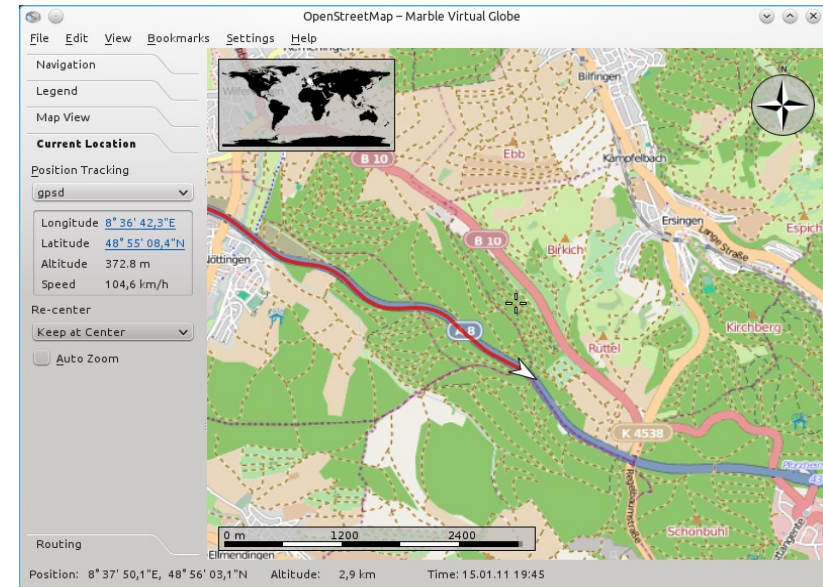
- OGC Standard KML
 - Google Earth™ file format for user data
 - no KMZ yet
- OSM
- Shapelib support (1.4)
- GPX / GPS Support



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- Draggable Routes
- Plugin based routing backends
 - Service plugins: Yours, Open Route Service, MapQuest (1.4)
- Offline Routing
 - Plugins: Monav, Routino, Gosmore



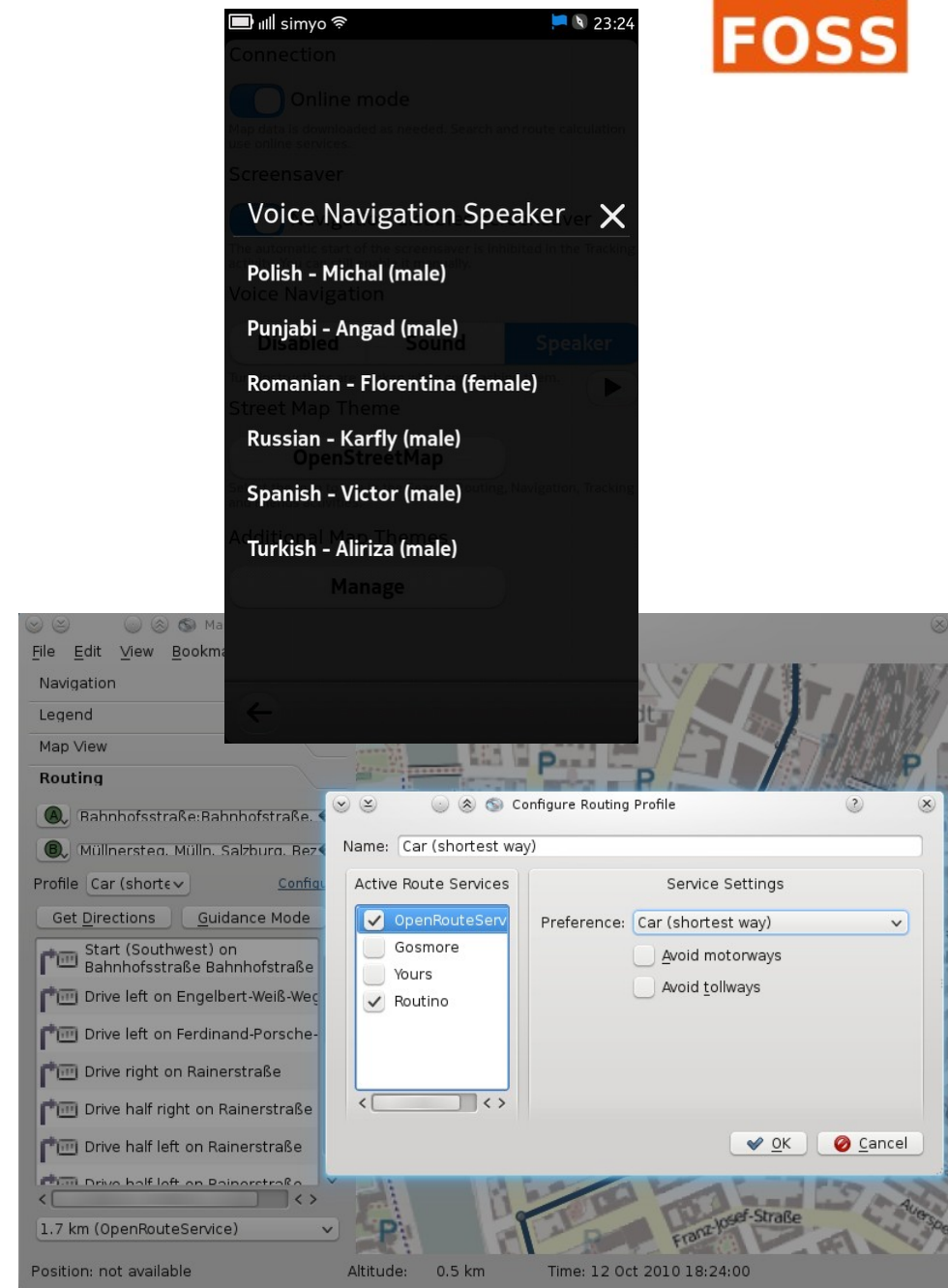


MARBLE



- **Basic Voice Navigation**
 - - Works e.g. with TomTom files
- **Turn-By-Turn Navigation**
 - Driving Instructions
- **Routing Profiles**
 - fastest/shortest Car, Bicycle, Pedestrian
 - custom

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Elevation profile plugin

- by Niko Sams & Florian Eßer



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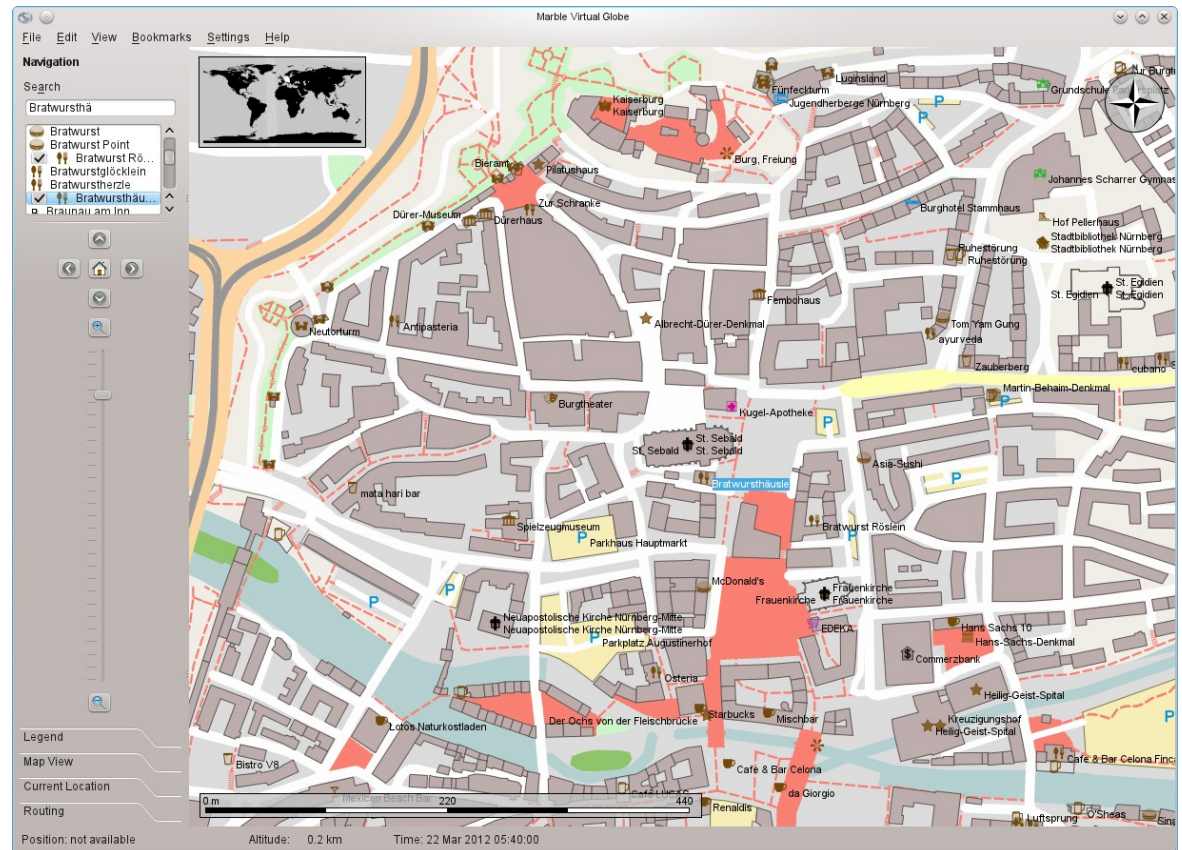


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OpenStreetMap vector rendering

- GSoC 2011 –
Konstantin Oblaukhov





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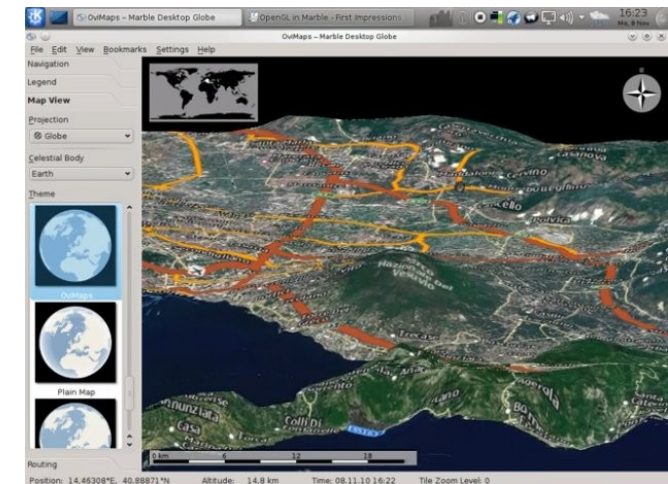


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Google Summer of Code 2012

- OpenStreetMap vector rendering with tiling support
 - OpenGL Mode
 - Natural Earth Vector Map
-
- Application deadline: April 6, 2012



<http://community.kde.org/GSoC/2012/Ideas#Marble>

Apply Now!

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MARBLE



- Website: <http://www.marble-globe.org>
- Mailing List: marble-devel@kde.org
- Facebook: <http://www.facebook.com/marbleglobe>
- Twitter: <http://www.twitter.com/marbleglobe>
- and on Google Plus
- IRC: #marble (freenode)



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