

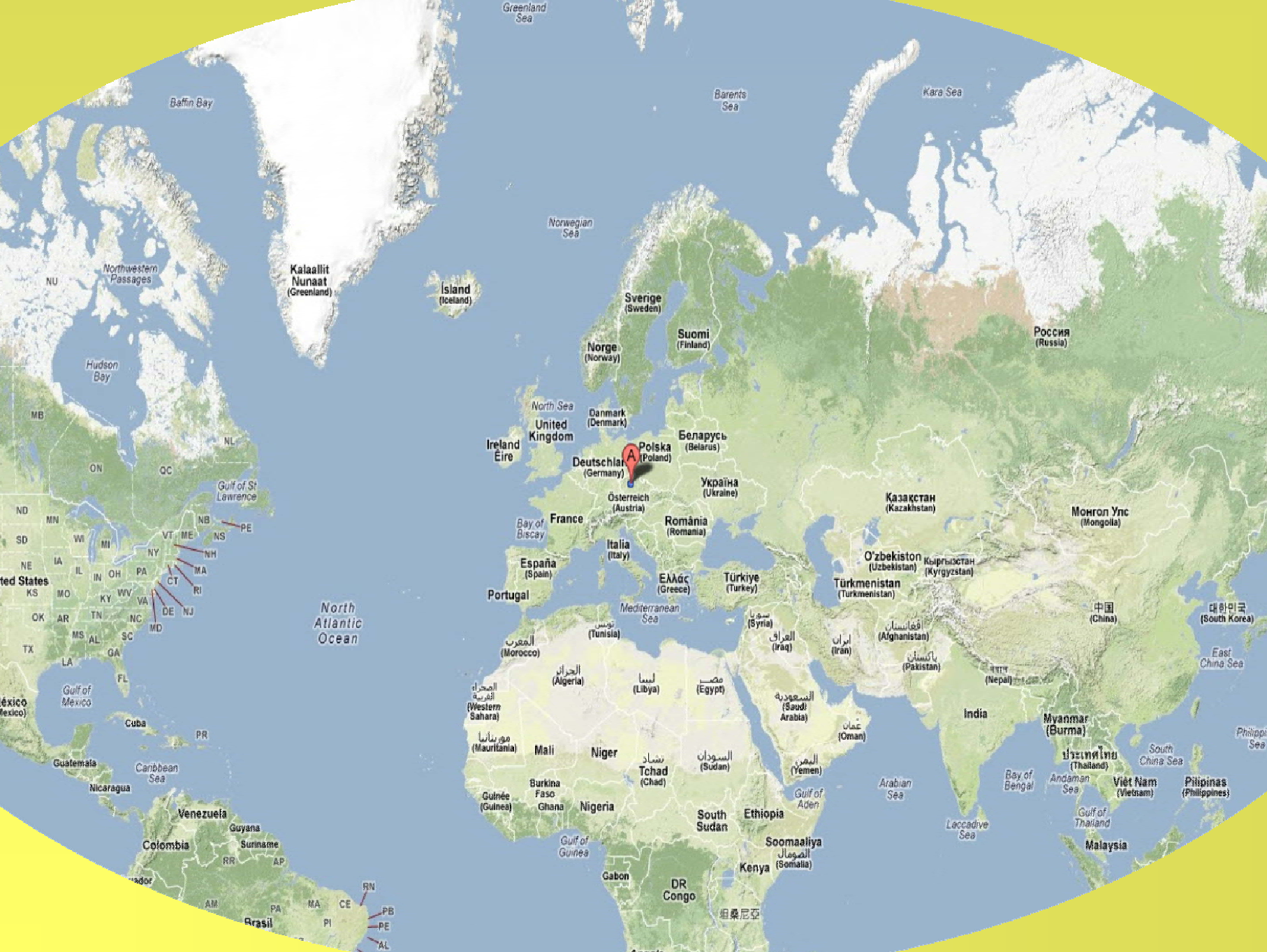


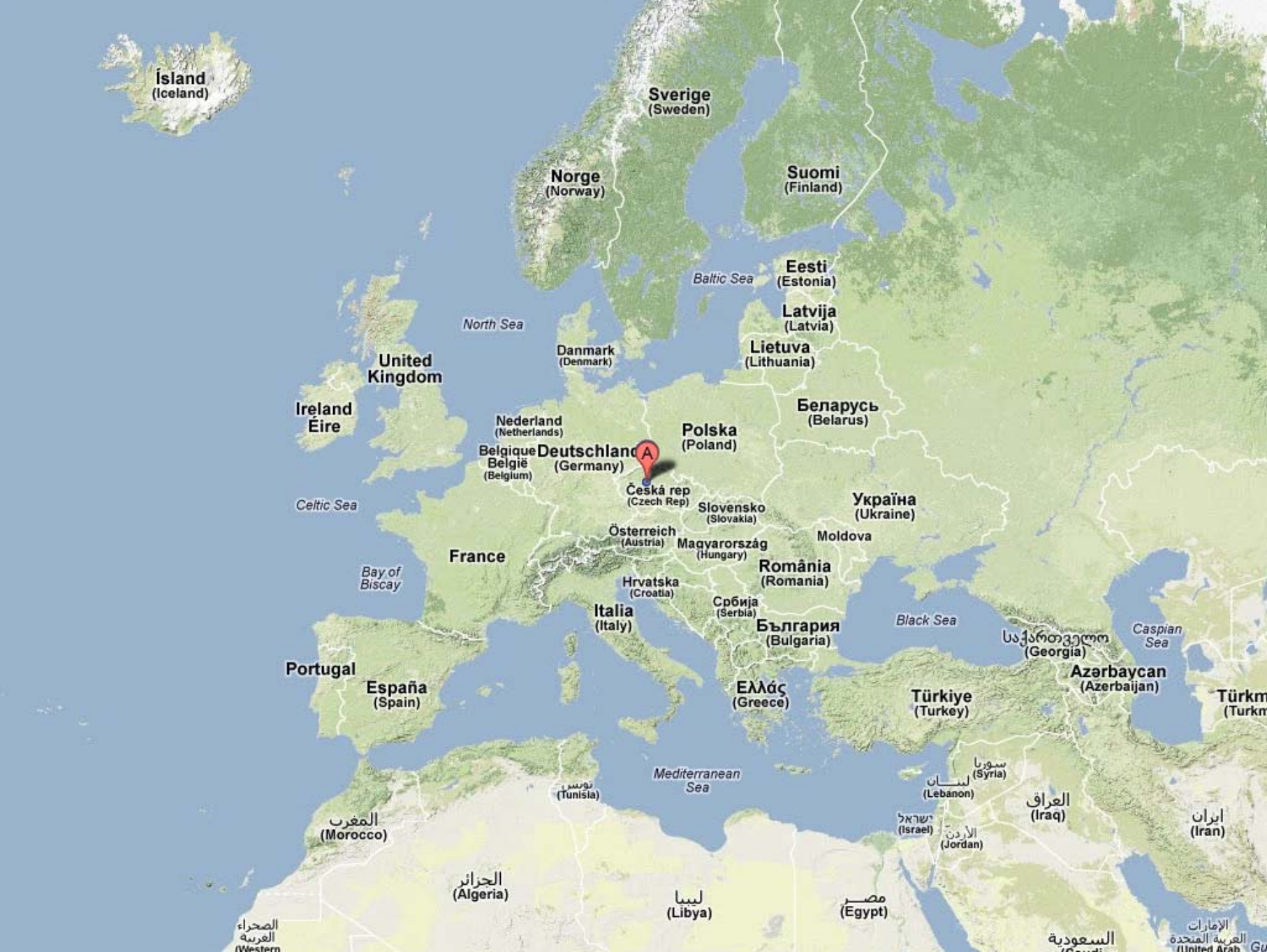


Bergwacht in Tschechien

- Informationen
- Mobile Application
- Suchsystem







Ísland
(Iceland)

Sverige
(Sweden)

Norge
(Norway)

Suomi
(Finland)

Eesti
(Estonia)

Latvija
(Latvia)

Lietuva
(Lithuania)

Беларусь
(Belarus)

Polska
(Poland)

Deutschland
(Germany)

Belgique
België
(Belgium)

Nederland
(Netherlands)

Danmark
(Denmark)

United Kingdom

Ireland
Éire

Česká rep
(Czech Rep)

Slovensko
(Slovakia)

Österreich
(Austria)

Magyarország
(Hungary)

Україна
(Ukraine)

Moldova

România
(Romania)

Hrvatska
(Croatia)

Italia
(Italy)

Србија
(Serbia)

България
(Bulgaria)

Ελλάς
(Greece)

Black Sea

საქართველო
(Georgia)

Azərbaycan
(Azerbaijan)

Türkm
(Turkm)

Türkiye
(Turkey)

Portugal

España
(Spain)

المغرب
(Morocco)

الجزائر
(Algeria)

ليبيا
(Libya)

مصر
(Egypt)

سوريا
(Syria)

لبنان
(Lebanon)

إسرائيل
(Israel)

الأردن
(Jordan)

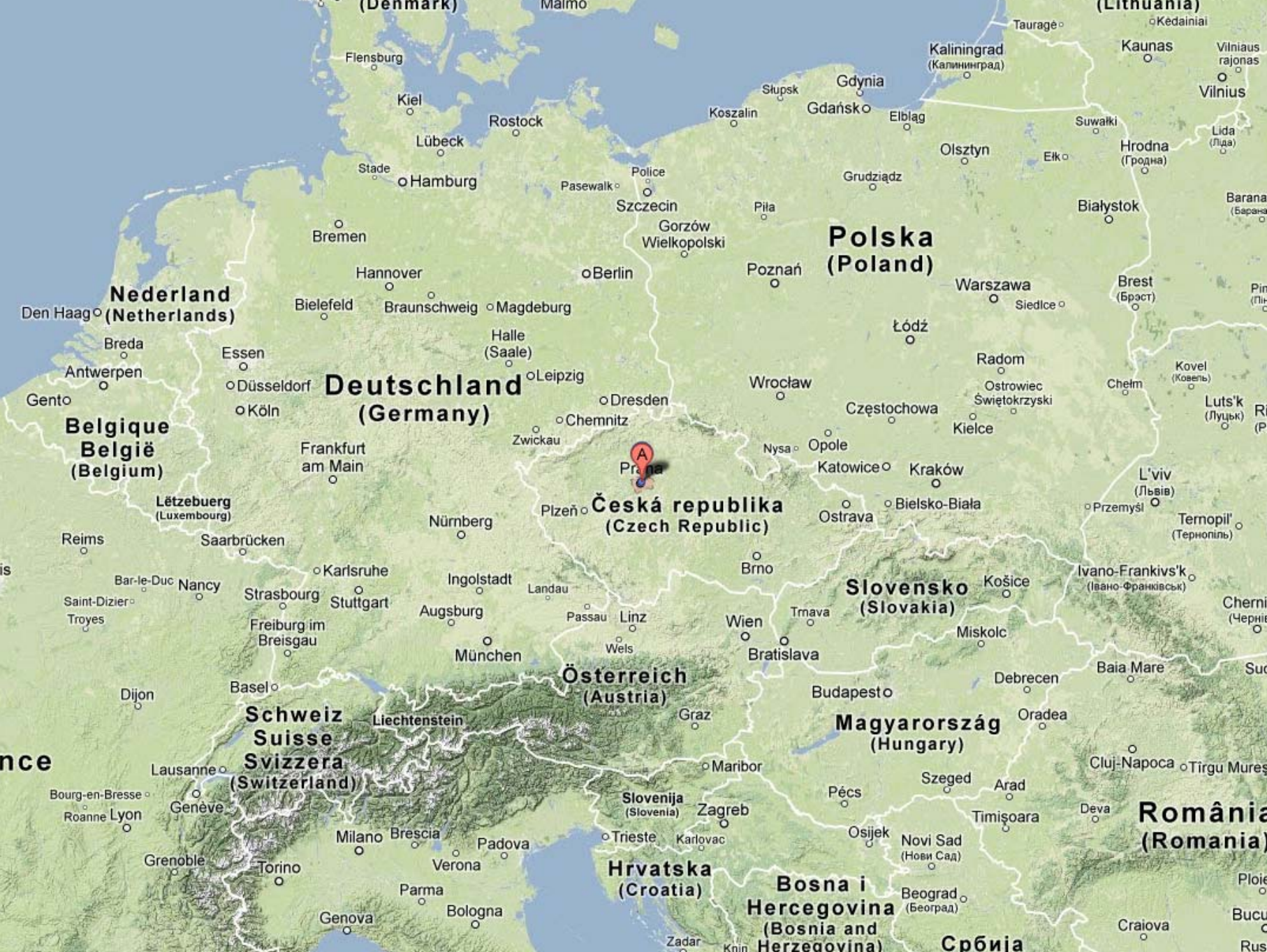
العراق
(Iraq)

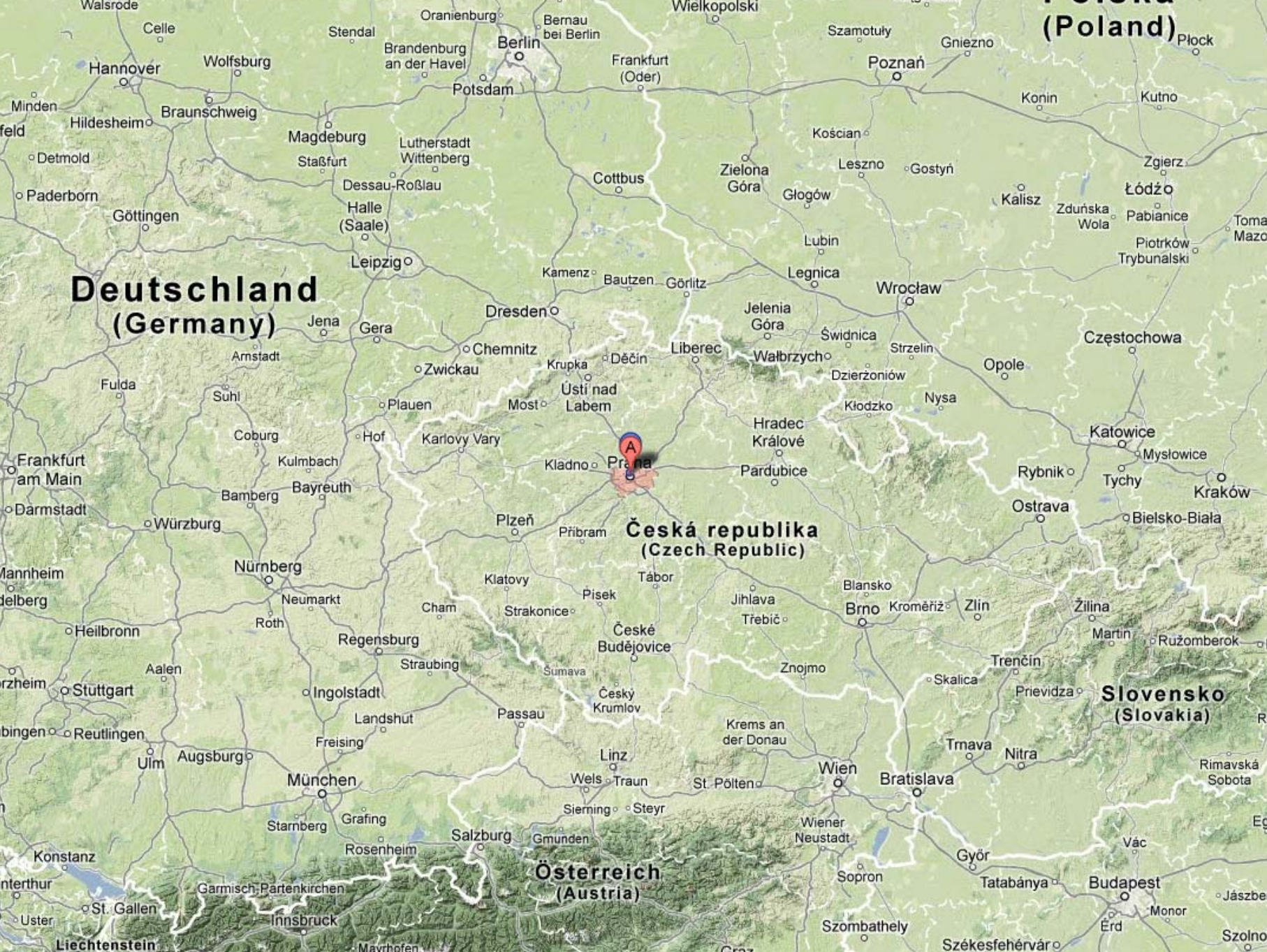
إيران
(Iran)

السعودية
(Saudi Arabia)

الإمارات
العربية المتحدة
(United Arab Emirates)

الصحراء
العربية
(Western Sahara)





Sněžka

1602 M



Tourist Markierung





Stange Markierung

Sommer = Radfahrer + Touristen



Winter = Langläufer + Skifahrer



Bergwacht Tschechei

- Einheitliche Organization für gesamte Tschechei
- Existiert seit 1934
- Teilweise vom Staat finanziert
- Teil des Integrierten Rettunssystem CR
 - Feuerwehr
 - Polizei
 - Rettungsdienst
- Betreibt in 7 Berggebieten



Rettungsaktion

Pisten

Technische Einsetze
in Gelände

Flächesuchung

Lawinenrettung

Luftrettung

Präventivaktion

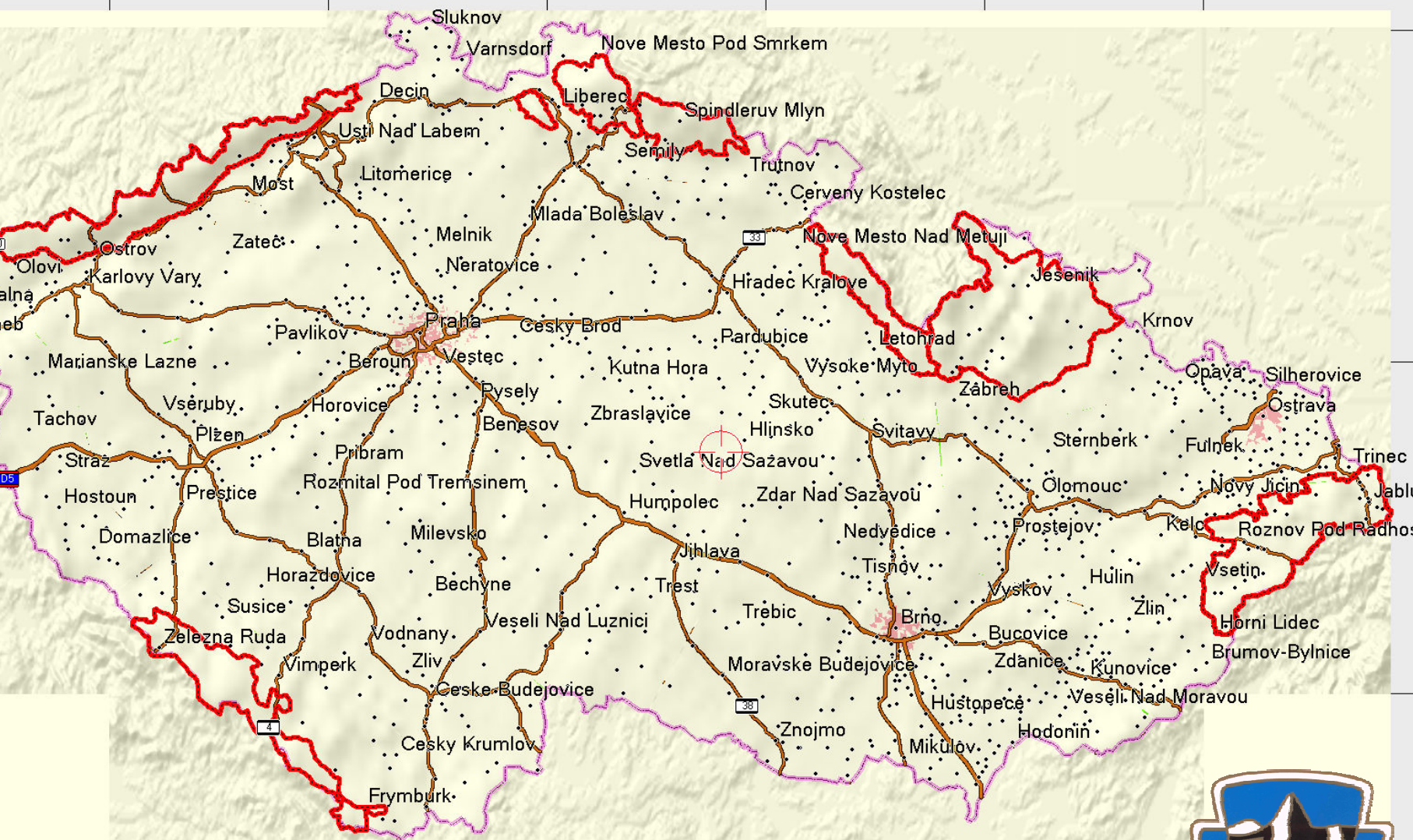
Informationen für
Öffentlichkeit

Öffentlichkeitsausbildung

Retterausbildung

Stangemarkierung





Horská služba ČR

Daten

67 Retter - Mitarbeiter

40 Retter - Saisonmitarbeiter

400 Retter - Freiwillig

60 Ärzte - Kooperation



Daten

75 Station

43 Fahrzeuge

93 Motorschlitten

34 ATV

2 Pistenfahrzeuge

Eigenes Funknetz



Einsatzübersicht

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Summe	6 144	6 826	7 876	8 504	4 862	7 506	7 770	7 320	7 769	7 092
Piste	4 406	5 231	5 811	6 601	3 199	5 480	5 555	5 276	5 352	4 690
Terrain	1 738	1 595	2 065	1 903	1 663	2 026	2 215	2 044	2 417	2 402
Winter	5 605	6 057	6 982	7 827	3 828	6 412	6 718	6 336	6 568	5 932
Sommer	539	769	894	677	1 034	1 094	1 052	984	1 201	1 160



Mobile Application- HS

Grundbeschreibung

-Anruf um Hilfe mit GPS-Koordinaten

-Information

- Skigebiete
- Berghütten, Infostation
- Bergwacht Station
- Aktuelles Wetter
- Lawinenzustand

-Weitere Informationen



Horská



služba

Pustevny

°C

cm

cm

temperature

Snow

Fresh snow

Kind of snow



Last update: 27. 09. 2012 16:51



Call First aid



Emergency
message



ČESKÁ POJIŠŤOVNA >

PARTNER PROJEKTU



Help

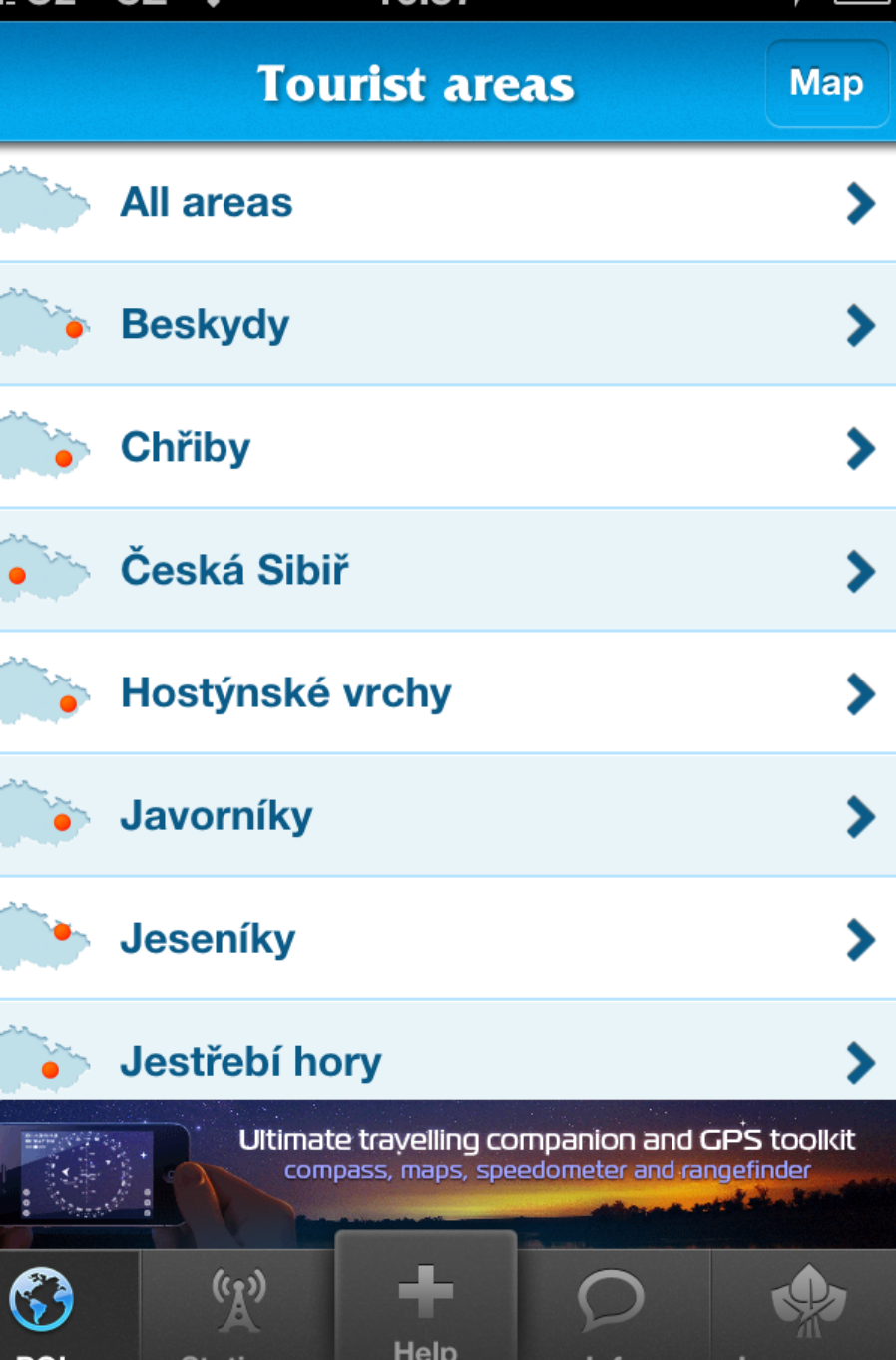


Mobile Application

Grundbild

- Skigebiet
- Wetter
- Optionen





Mobile Application

Sonderzielwahl

-Unmittelbare

-Nach

Tourismusgebiet

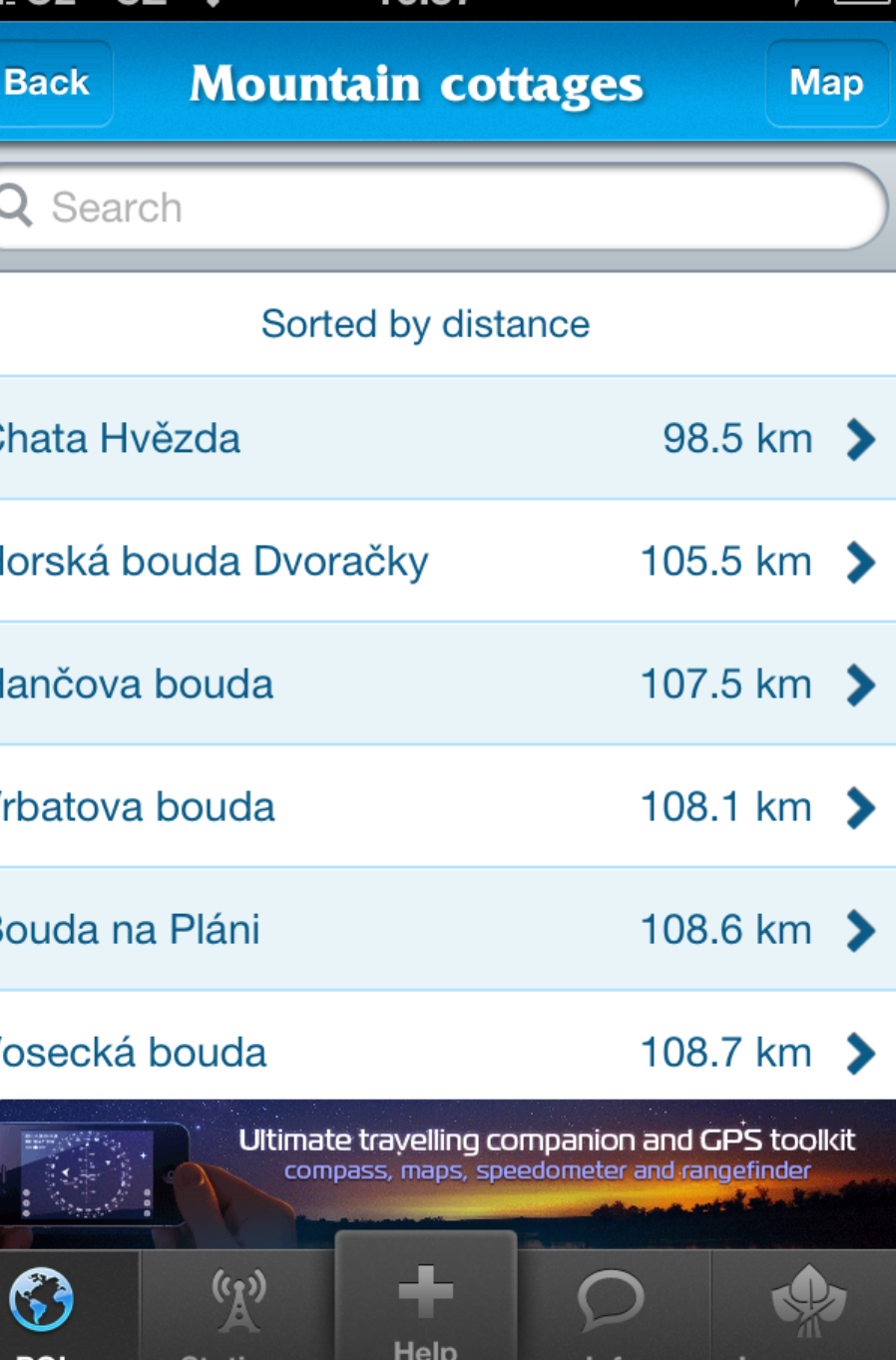




Mobile Application

Sonderzielwahl



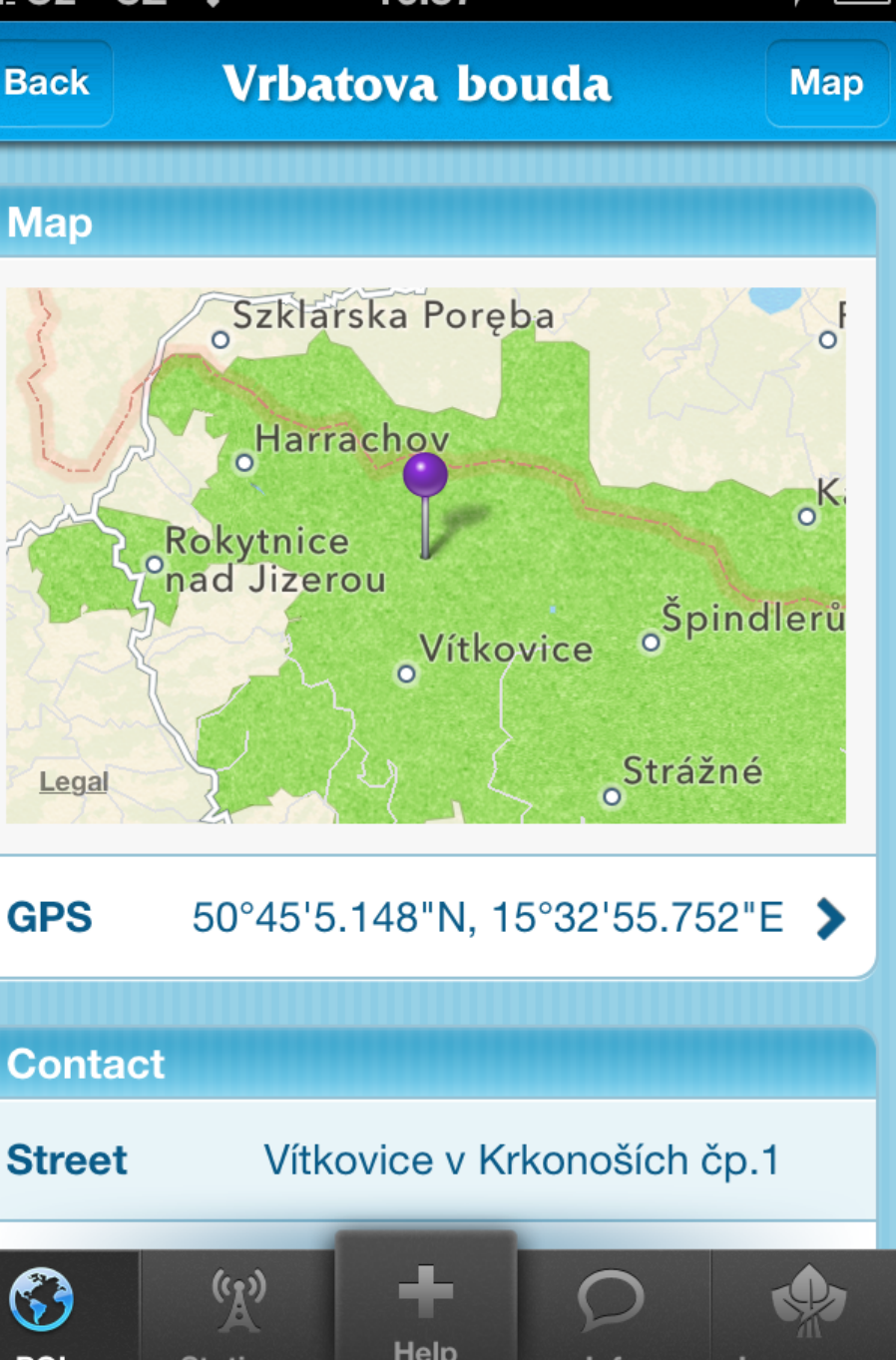


Mobile Application

Sonderzielwahl

- Sortiert nach Distanz von aktuellen Handyposition

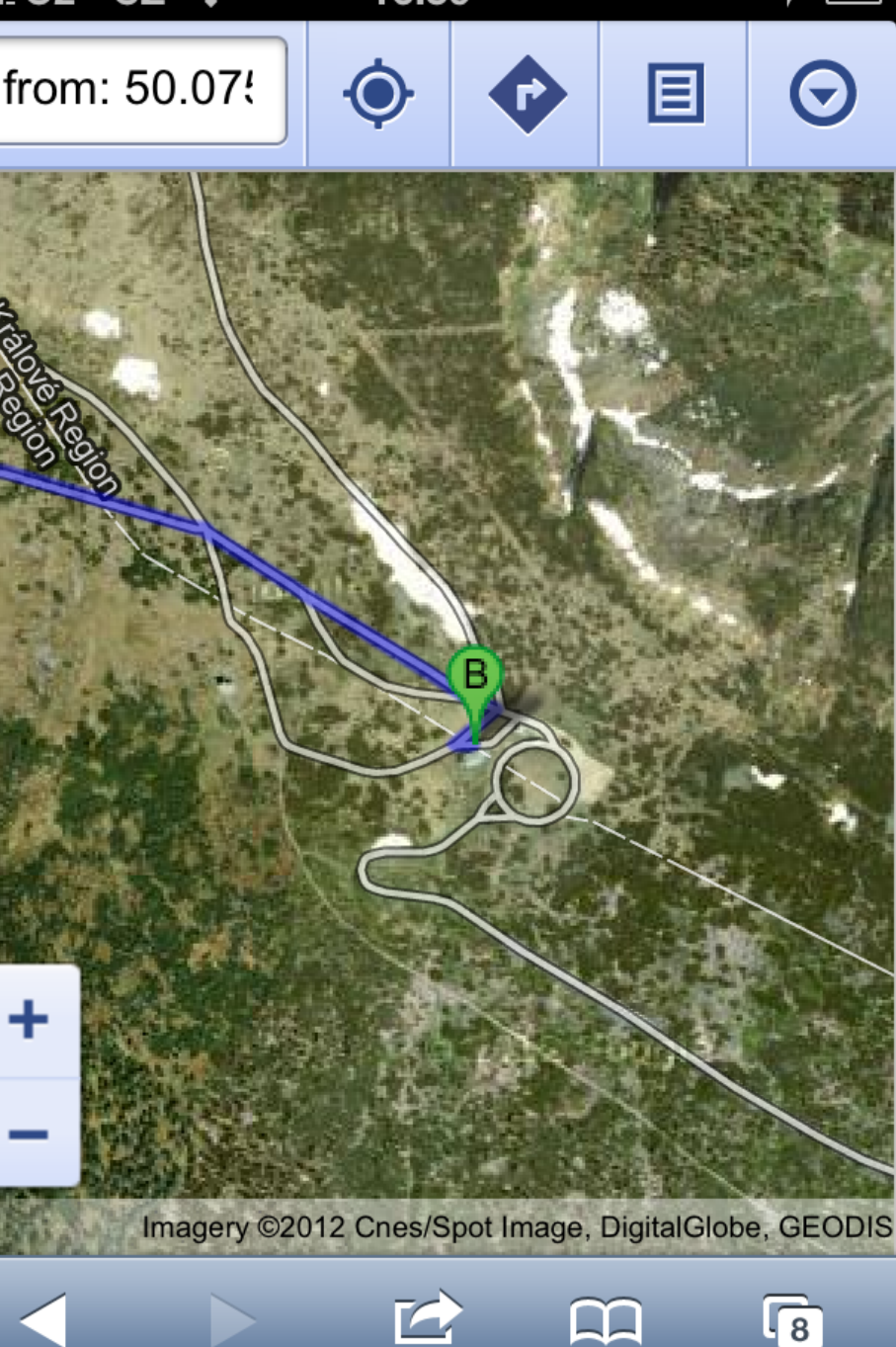




Mobile Application

Anzeige gewählten
Sonderziel auf
Karte





Mobile Application

Navigation zum
Sonderziel





Mobile Application

Wahl
Berwachtstationen



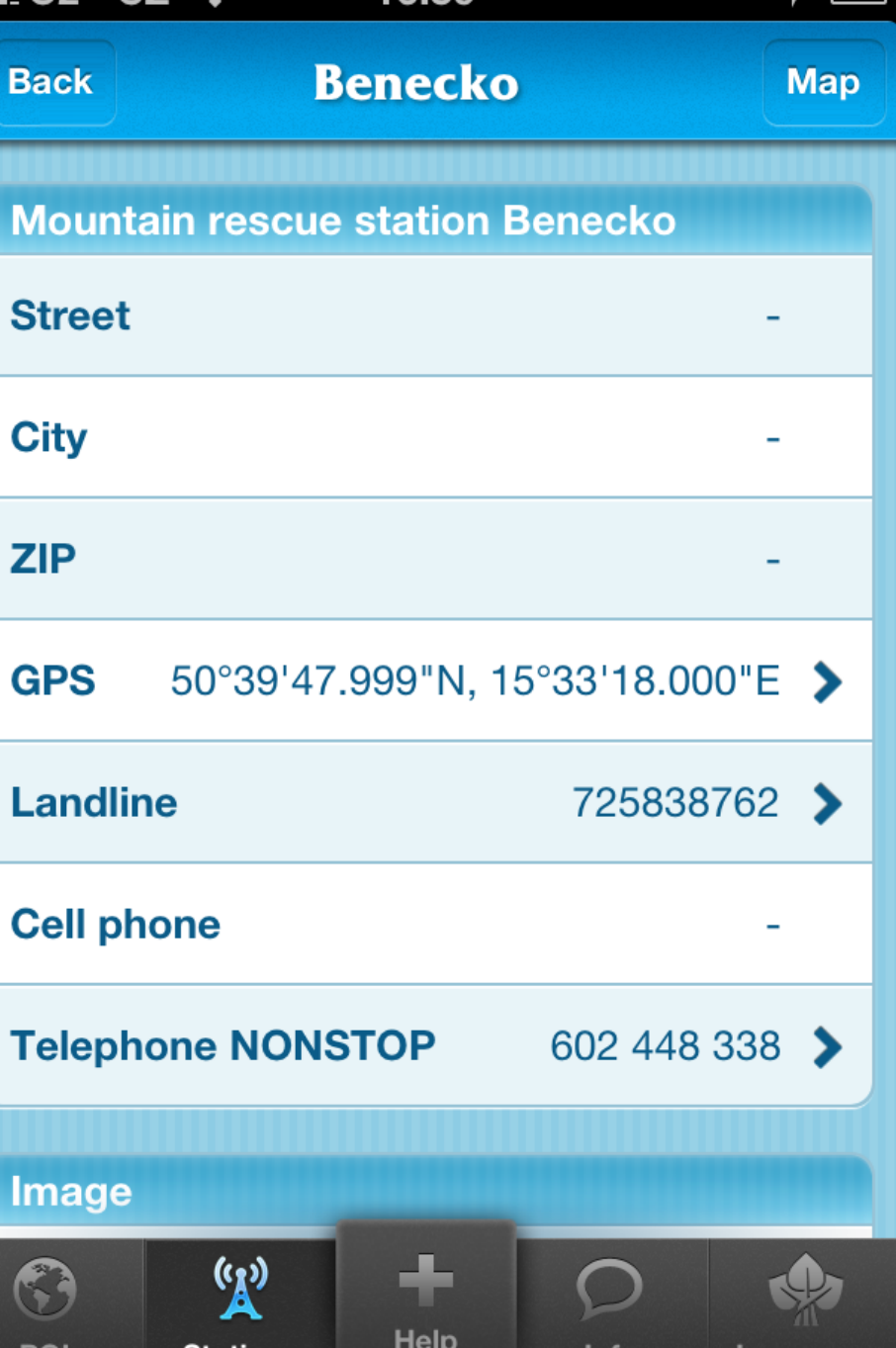


Mobile Application

Bergwachtstation

- Sortiert nach Distanz von aktueller Handyposition





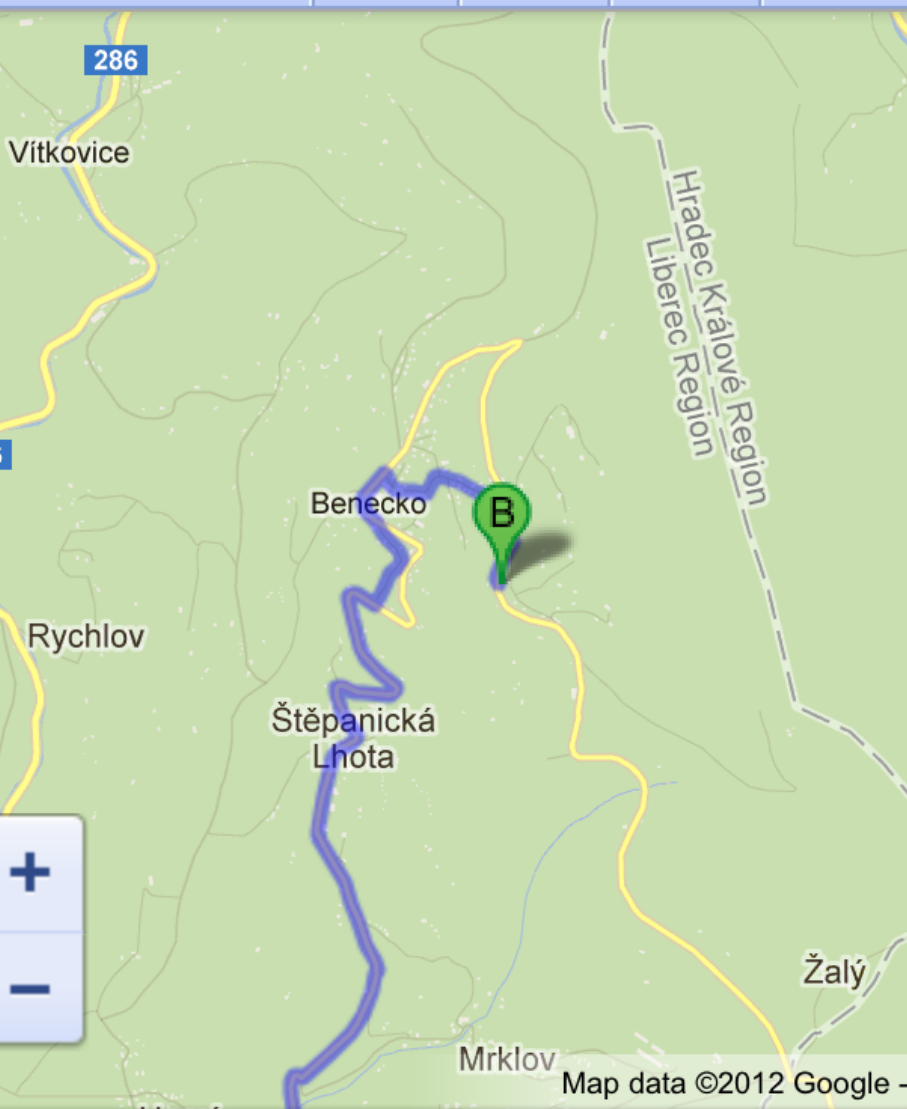
Mobile Application

Bergwachtstation

- Details über die Station mit Foto



from: 50.074



Mobile Application

Navigation zur
Bergwachtstation



Information

Help



Settings



10 Rules of Mountain rescue



10 FIS Rules



About avalanche danger



How to provide First aid



Partner of the project



Ultimate travelling companion and GPS toolkit
compass, maps, speedometer and rangefinder



Mobile Application

Weitere Information



10 FIS rules for the Conduct

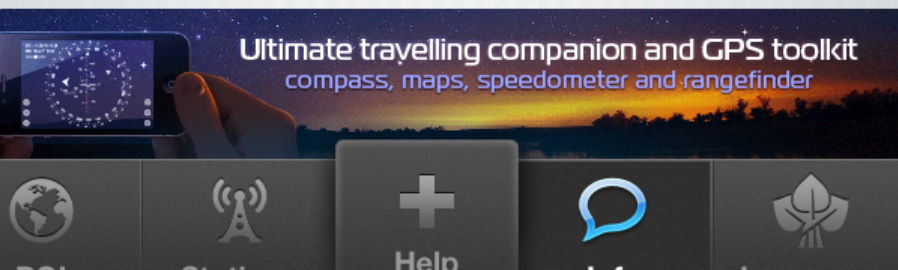
1. **Respect for others**

A skier or snowboarder must behave in such way that does not endanger or prejudice others.

2. **Control of speed and skiing or snowboarding**

A skier or snowboarder must move in control. He must adapt his speed and manner of skiing or snowboarding to his personal ability and to the prevailing conditions of terrain, snow and weather as well as to the density of traffic.

3. **Choice of route**



Mobile Application

FIS Regeln für Pisten



Back

How to provide First aid

First Aid

- » Check for response, gently shake casualty's shoulder in order to wake him up.
- » Make sure you stay safe!!!

Is he/she conscious?

Yes

No



Mobile Application

Anleitung zur Erste
Hilfe

Diagnosebeschreibung

Wahl nach Diagnose



Back

How to provide First aid

First Aid

Casualty is breathing normally and is vomiting.

- » Place casualty onto his/her side.
- » Constantly make sure, if he is breathing normally.



Casualty is breathing normally and is not vomiting

- » Leave casualty on his/her back



Mobile Application

Beschreibung und
andere Optionen
um Hilfe



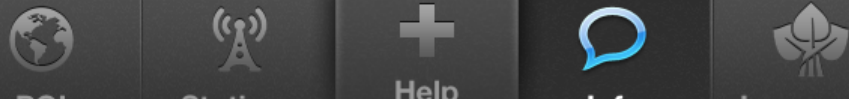
Back

How to provide First aid

First Aid

Chest compressions

After 30 compressions give two rescue breaths.

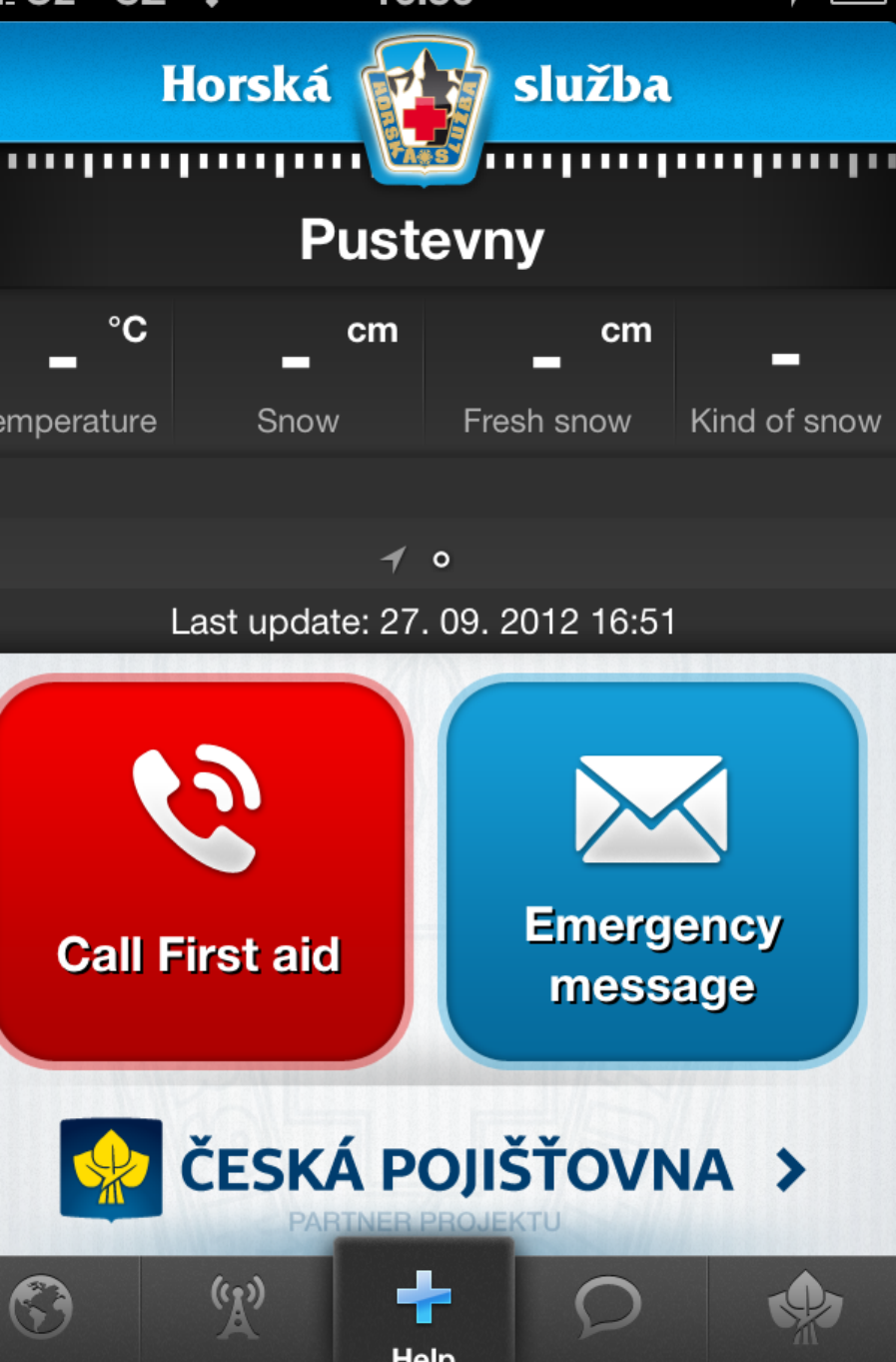


Mobile Application

Beschreibung und
andere Optionen
um Hilfe

Unterstütze Bilder





Mobile Application

Hilfe rufen

- Geleitet zum Dispatcher
entsprechende Bergregion
nach aktuelle Handyposition

-Möglichkeiten

- Telefonat
- SMS Übertragung



Horská služba



Pustevny

°C

cm

cm

**You are not in range of
mountain rescue**

You are more than 30 km away
from the nearest mountain rescue.
Please call 112 instead.

Cancel

112



ČESKÁ POJIŠŤOVNA >

PARTNER PROJEKTU



Help

Mobile Application

Hilfe Rufen

- Beschränkung
- Umleitung nach
Notrufnummer für CZ -
112



Mobile Application - HS

Nach vordefinierte Rufnummer kommt SMS:

„SOS aus App HS: Name: XXX, Tel.: XXX, GPS:
49A 30'0''N, 14A 1'48''E, Genauigkeit: 30m.

<http://maps.google.cz/?q=49.5,14.02995718622252>, 20.9.2012, 16:07:32“

Doppelklick auf Web-Link – Position ist sofort
auf Karte im Handy angezeigt.



Mobile Application - HS

Sprache Anwendung nach Handy
Grundeinstellung. :

- Czech
- English
- Deutsch

Application funktioniert auf Systeme:

- Android
- iOS (Apple iPhone)



Mobile Application - HS

<https://play.google.com/store/apps/details?id=cz.eman.android.hosl>

<http://itunes.apple.com/us/app/horska-sluzba/id545267094?mt=8>





Cooperation searching
GPS

Summary

- Start searching
- Equipment
- Results, benefits



Equipment

- Personal and team equipment for the action ...
- GPS receiver (Garmin GPS Map, Astro, Oregon)
- Radio handheld (Motorola GP340, GP360)

GPS receiver garmin

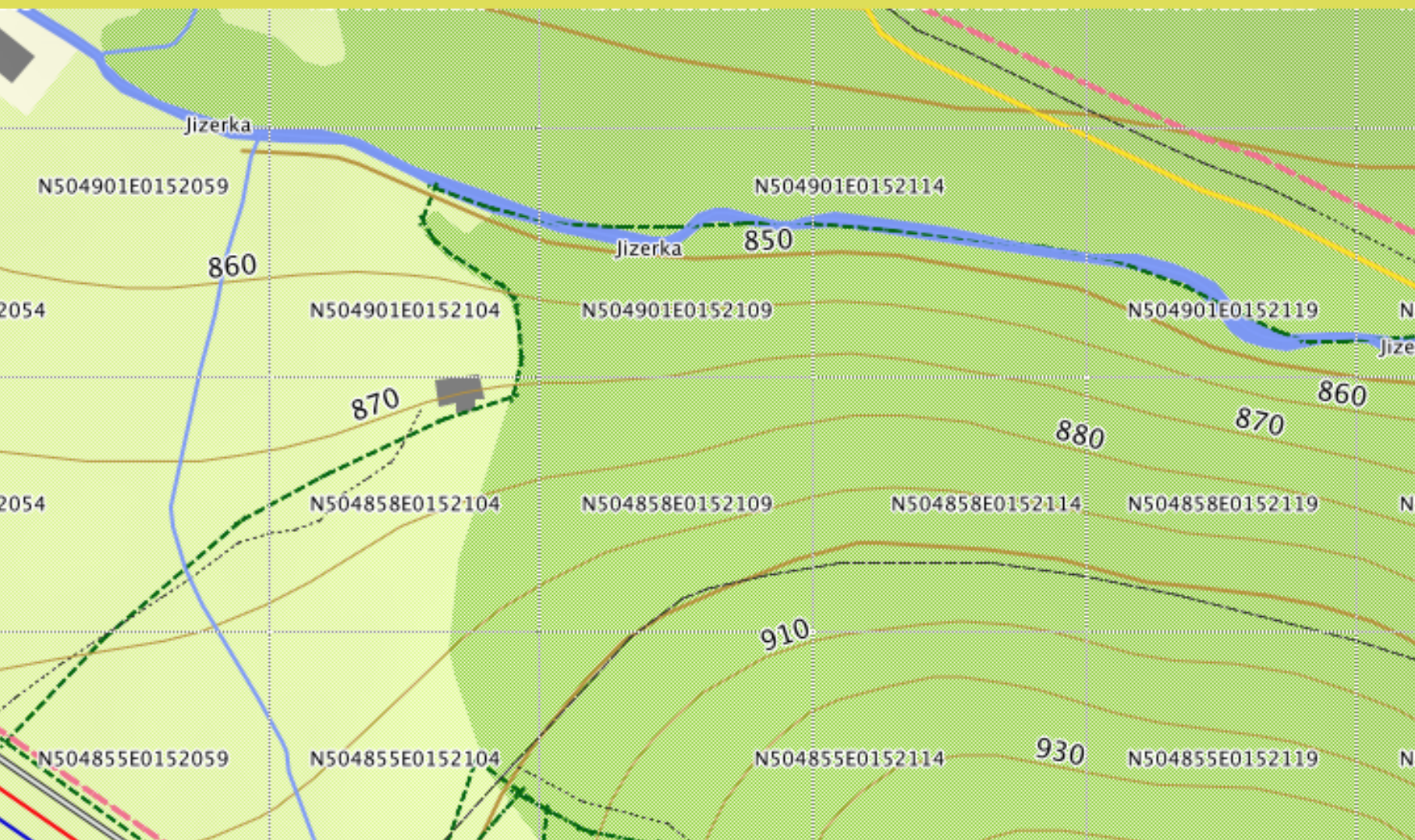
- Topographic map of Czech republic
- Management map - grid approx 100x100m with a unique global identification of each part
- Garmin Astro - dog tracking system with wireless collar





Topographical Maps

- Searcher and commanding officer can choose any available map - in Garmin unit or in computer
- Agreement with Police and Army for using one specific topographic map - map produced by Czech Army



Management map

- Grid 100x100 m = 3' x 5'
- Unique global identification
complete label:

N504858E0152129

short name: **N858E129**

- Label is created from latitude and longitude
coordinates
N50°48'58" E015°21'29"

Communication

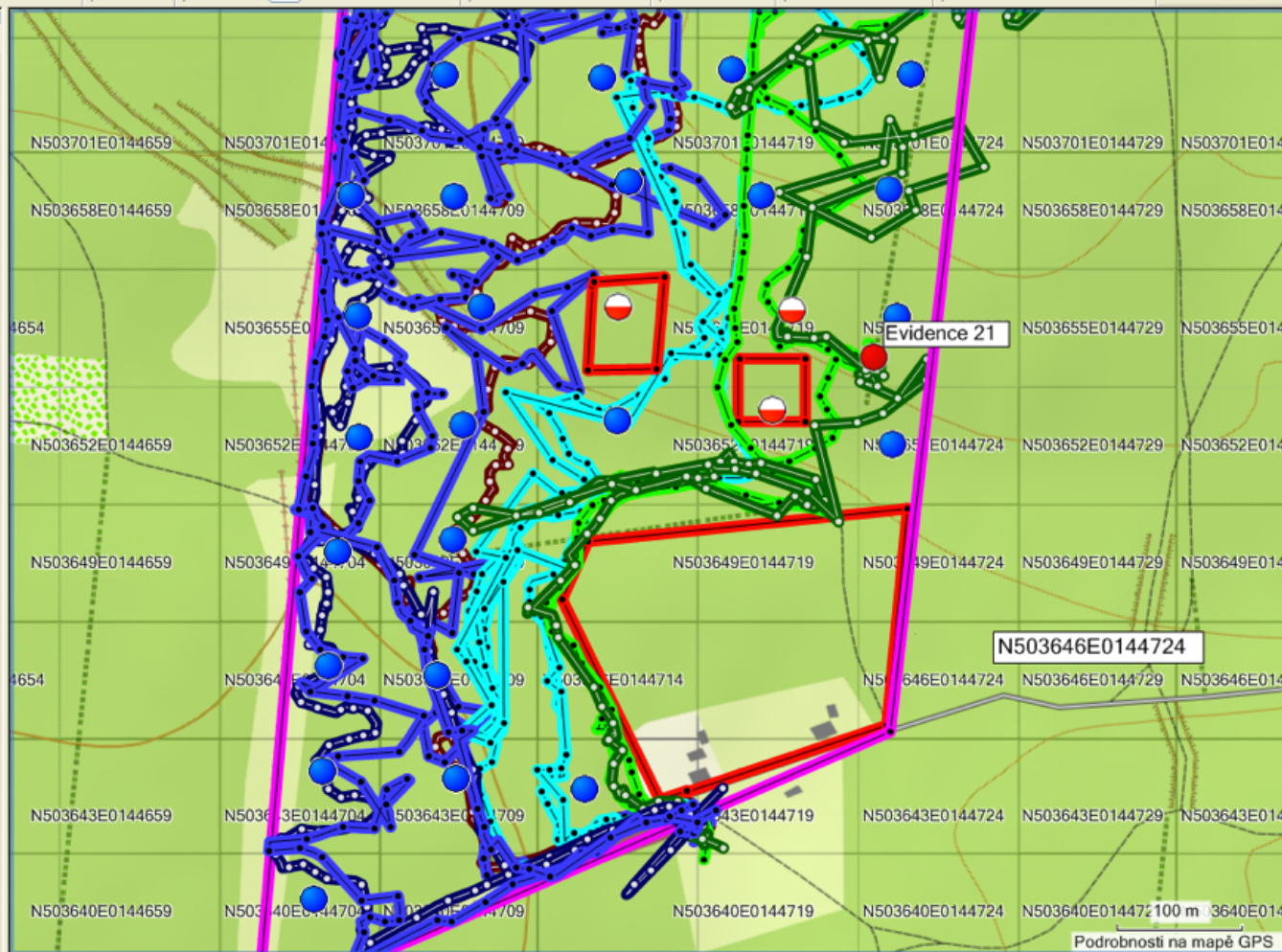
- Online - with Garmin collar DC20,30,40 online information in commanding handheld and computer
- Via radio - commanding officer can use voice procedural control of searchers followed by their confirmations

Trasové body(37) Trasy Stopy(12)

obrazit trasové body kategorie:

technický kategorie

Název	Symbol	Pozice	Na
13	●	N50 36 54.5 E14 47 25.4	
14	●	N50 36 58.0 E14 47 12.5	
15	●	N50 37 00.9 E14 47 08.4	
16	●	N50 37 00.8 E14 47 11.7	
17	●	N50 37 01.2 E14 47 17.1	
18	●	N50 37 00.8 E14 47 21.3	
19	●	N50 37 01.0 E14 47 25.3	
20	●	N50 37 04.0 E14 47 26.0	
21	●	N50 37 04.1 E14 47 20.4	
22	●	N50 37 03.9 E14 47 16.3	
23	●	N50 37 04.0 E14 47 11.4	
24	●	N50 37 10.1 E14 47 11.6	
25	●	N50 37 10.0 E14 47 26.2	
26	●	N50 37 07.3 E14 47 16.8	
27	●	N50 37 07.2 E14 47 26.1	
28	●	N50 37 07.0 E14 47 11.6	
29	●	N50 37 10.1 E14 47 21.2	
30	●	N50 36 58.0 E14 47 16.8	
31	●	N50 36 55.3 E14 47 21.6	
32	●	N50 36 57.9 E14 47 22.2	
33	●	N50 36 54.6 E14 47 08.7	
34	●	N50 36 57.8 E14 47 08.6	
35	●	N50 36 48.5 E14 47 11.1	
36	●	N50 37 07.1 E14 47 21.2	



Results, benefits

- Simple and unambiguous collaboration
- Everybody exactly know where they are and where is their area
- You are immediately ready for searching - there is no delay for preparing searching sectors



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Danke

