Agenda Item E1

HELCOM / BSHC Harmonised Hydrographic Re-survey Plan

Report to the BSHC 12th Conference

By the HELCOM Monitoring Working Group

13 June 2007

Juha Korhonen

Finnish Maritime Administration

Some Milestones:

- HELCOM Copenhagen Declaration (Sept 2001)
- BSHC developed the Harmonized Re-survey Plan (2002)
- BSHC established the Monitoring Working Group (2002)
- Sweden developed the database (2003)
- BSHC/11 Approved MWG Work Programme V.3.0 (2005)
- Sweden developed the Web-interface (2006)
- Data to be harmonized and updated (2006)
- Web pages linked to HELCOM and IHO (2006, 2007)

Work of MWG:

- **MWG membership – some changes**
- **National Database operators nominated**
- **Web-based interface released 2006**
- **Re-surveys continued – database updated**
- **MWG Meeting on 8 March 2006**
- **Work Program 3.0: ~20% completed**
- **Work Program 4.1 proposed**
- **EU TEN-T Motorways of the Baltic Sea**

MWG Members:

Country	Org.	Name
Denmark	RDANH	**Cdr Lars Hansen**
Denmark	RDANH	**LtCdr. Jesper Vedel**
Denmark	KMS	**Mr. Peter Ladegaard Sørensen**
Estonia	HO	**Dr. Jaan Lutt**
Finland	HO	**Mr. Juha Korhonen**
Germany	HO	**Mr. Thomas Dehling**
Latvia	HO	**Mr. Janis Krastins**
Lithuania	HO	**Mr. Mindaugas Zakarauskas**
Poland	HO	**Capt. Wieslaw Bielinski**
Poland	HO	**Lt.Cdr Marek Szatan**
Russia	HDNO	**Capt. Yu.E. Rozhkov**
Sweden	HO	**Mr. Bengt-Åke Larsson**

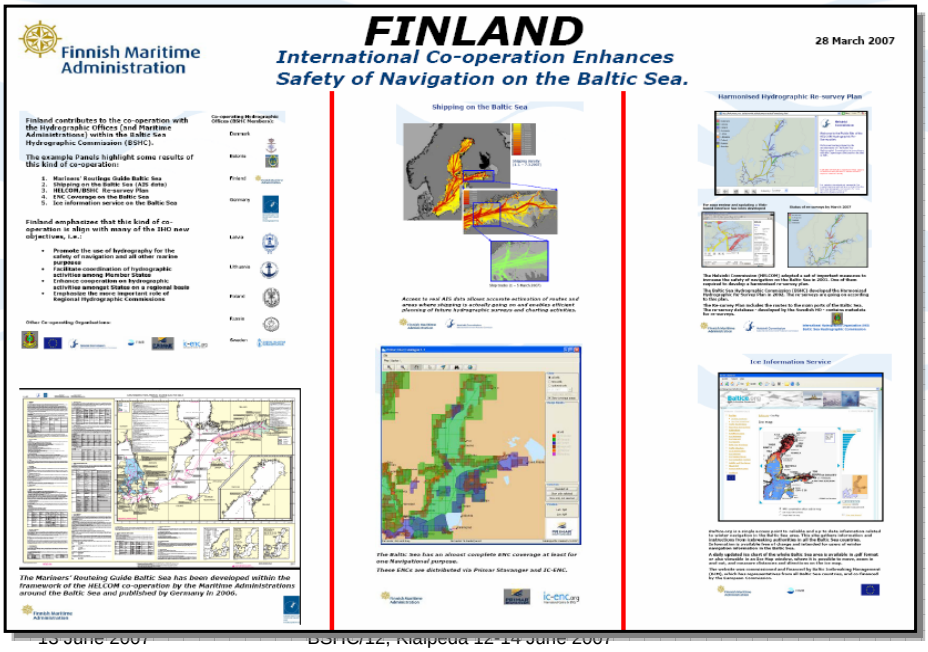
National Database Operators:

Country	Org.	Name
Denmark	RDANH	Cdr Lars Hansen
Denmark	RDANH	LtCdr Jesper Vedel
Denmark	KMS	Mrs. Lis Gram
Estonia	HO	Dr. Jaan Lutt
	HO	Mr. Peeter Väling
Finland	HO	Mr. Pentti Junni
		Mr. Juha Korhonen
Germany	HO	Mr. Thomas Dehling
Latvia	HO	Juris Rizovs
Latvia	HO	Janis Sverzickis
Lithuania	HO	Mr. Mindaugas Zakarauskas
Poland	HO	Capt. Wieslaw Bielinski
	HO	LtCdr Marek Szatan
Russia	HDNO	Capt. Maxim Valchuk
Sweden	HO	Mr. Bengt-Åke Larsson
	HO	Ms Renée Modigh
	HO	Ms. Anna Jansson

Reporting of the Re-survey Plan:

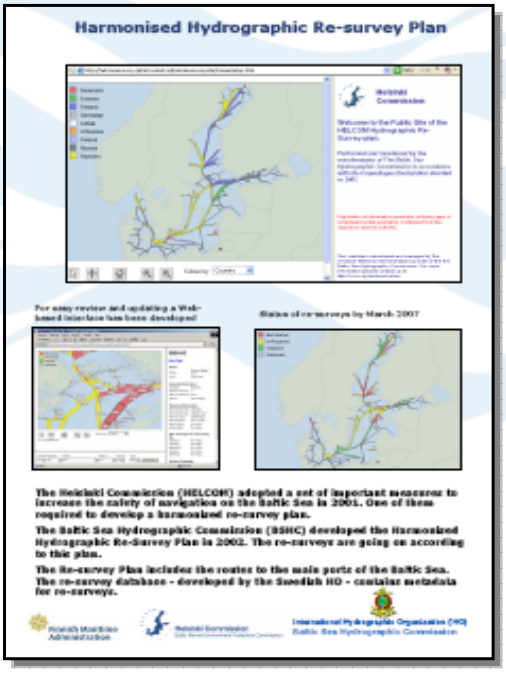
- Reported to the NHC/50 April 2006
- Reported to the NSHC/8 September 2006
- Informed by IHO CL 9/2007 and a Poster at XVII Conference May 2007
- Linked to the HELCOM Web pages 2006
- Linked to a regional extension to the IHO S-55 database 2007

Poster at XVII Conference May 2007



13 June 2007 BSHC/12, Klaipeda 12-14 June 2007

Poster at XVII Conference May 2007

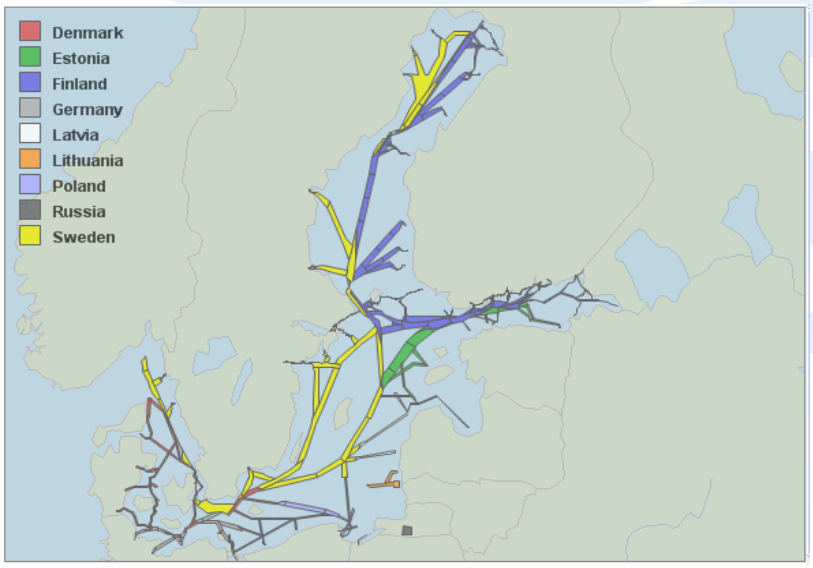


13 June 2007

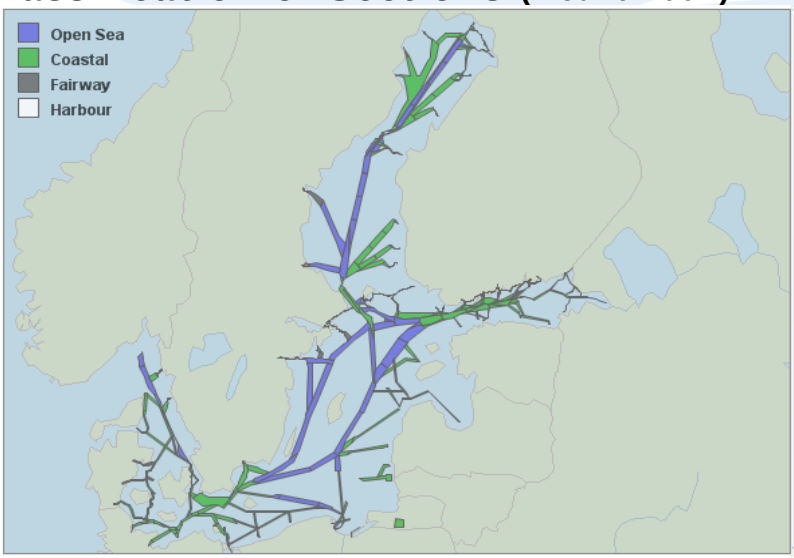
Status of Database:

- Data needs some harmonization
- Data needs to be updated
- Some clarifications to definitions needed
- Some development tasks identified

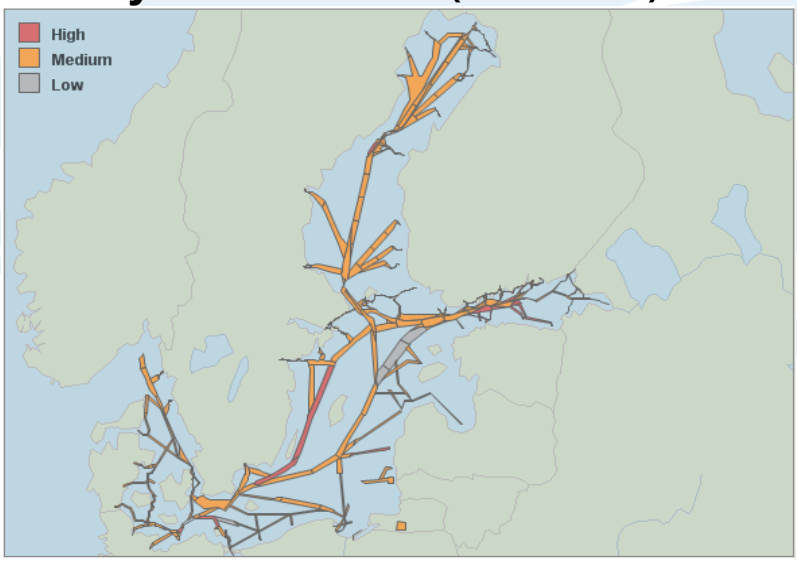
Responsibility of Sections (1 June 2007):



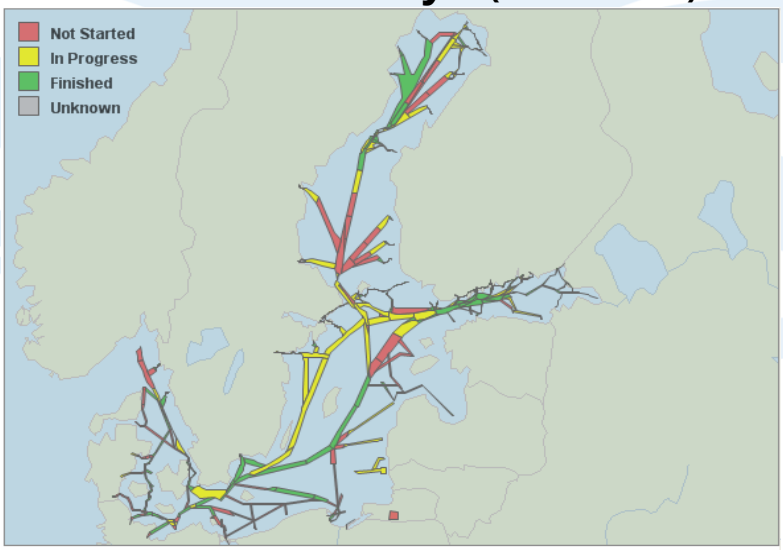
Classification of Sections (1 June 2007):



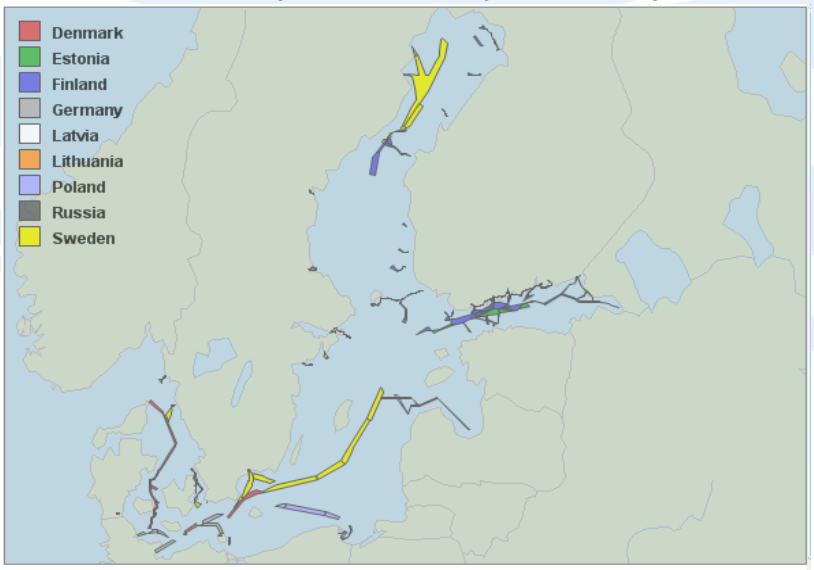
Priority of Sections (1 June 2007):



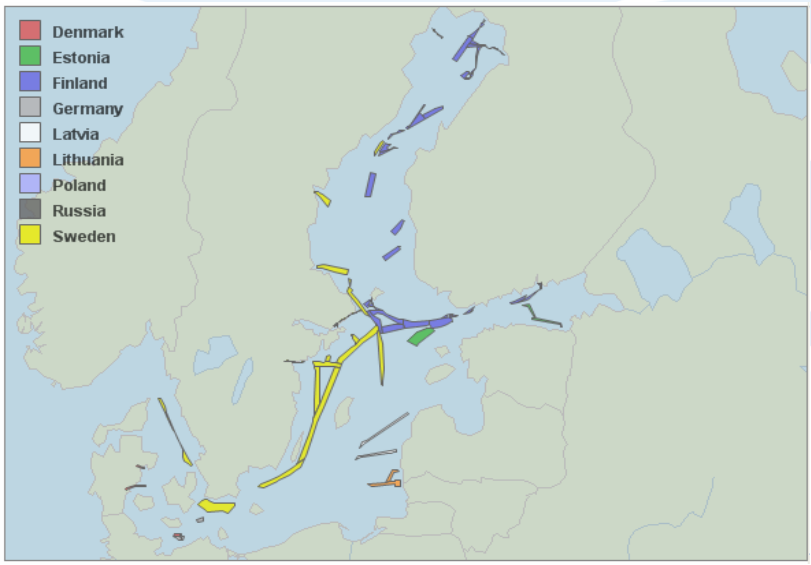
Status of Re-surveys (1 June 2007):



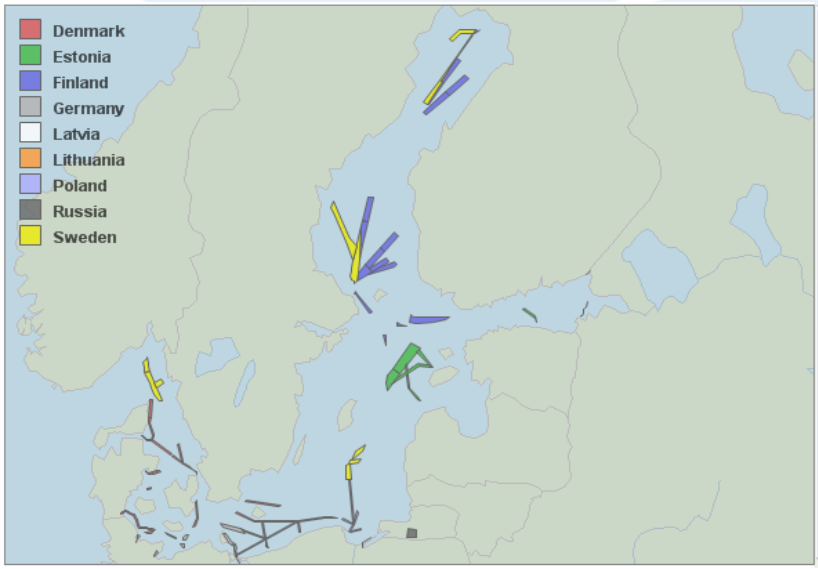
Status of Database (Finished by 1 June 2007):



Status of Database (In progress by 1 June 2007):



Status of Database (Not started by 1 June 2007):



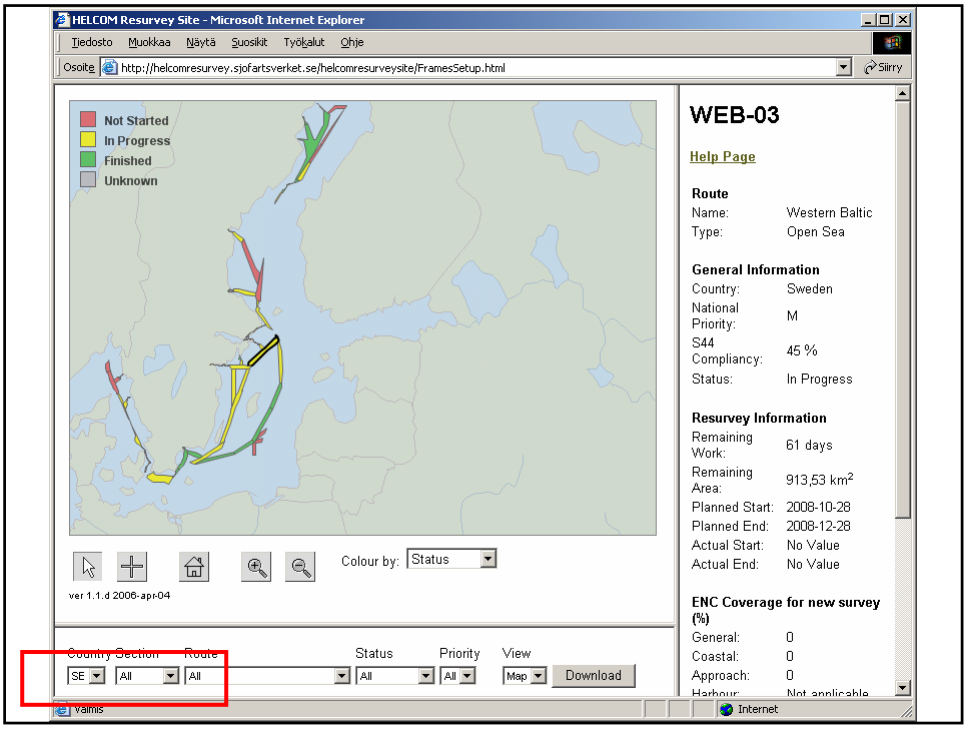
Status of User Interface:

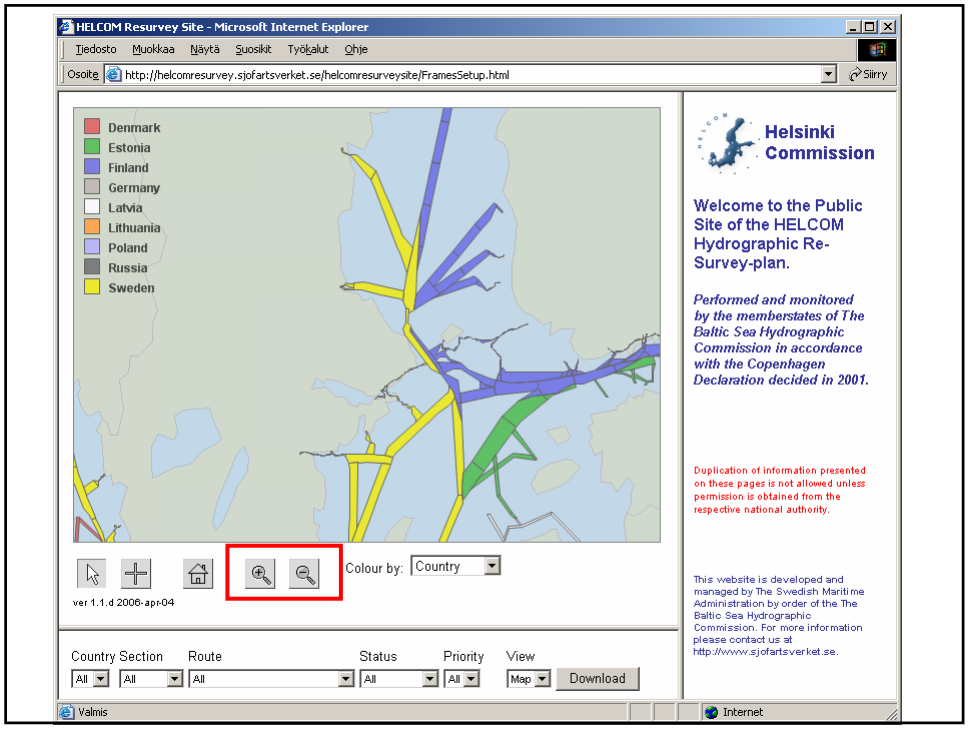
New web-interface to the Database

1. **Public site**
   - For data browsing and extraction
   - Open to all
2. **Restricted site**
   - For updating the information
   - For authorizer users only (1 – 2/country)

Updating now possible:

- **Features by each HO** (by national authorized operators)
- **Geometry by Sweden**




HELCOM Resurvey Site - Microsoft Internet Explorer
Tiedosto Muokkaa Näytä Suosikit Työkalut Ohje
Osoite http://helcomresurvey.sjofartsverket.se/helcomresurveysite/FramesSetup.html
Siirry
Denmark
Estonia
Finland
Germany
Latvia
Lithuania
Poland
Russia
Sweden
Colour by: Country
ver 1.1.d 2006-apr-04
Helsinki Commission
Welcome to the Public Site of the HELCOM Hydrographic Re-Survey-plan.
Performed and monitored by the memberstates of The Baltic Sea Hydrographic Commission in accordance with the Copenhagen Declaration decided in 2001.
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Country Section
Route
Status
Priority
View
All
All
All
All
All
Map
Download
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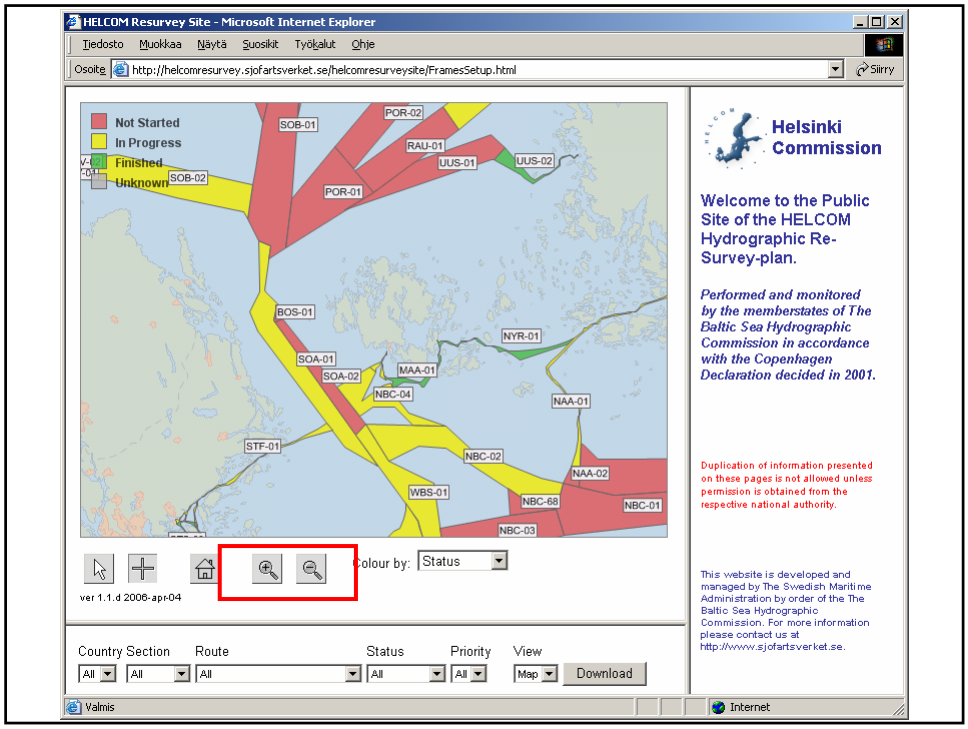
HELCOM Resurvey Site - Microsoft Internet Explorer
Tiedosto Muokkaa Näytä Suosikit Työkalut Ohje
Osoite http://helcomresurvey.sjofartsverket.se/helcomresurveysite/FramesSetup.html
Siirry
Not Started
In Progress
Finished
Unknown
SOB-01
SOB-02
POR-01
POR-02
RAU-01
UUS-01
UUS-02
BOS-01
NYR-01
SOA-01
SOA-02
MAA-01
NBC-04
NAA-01
STF-01
NBC-02
NAA-02
WBS-01
NBC-68
NBC-01
NBC-03
Colour by: Status
ver 1.1.d 2006-apr-04
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Country Section
Route
Status
Priority
View
All
All
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Map
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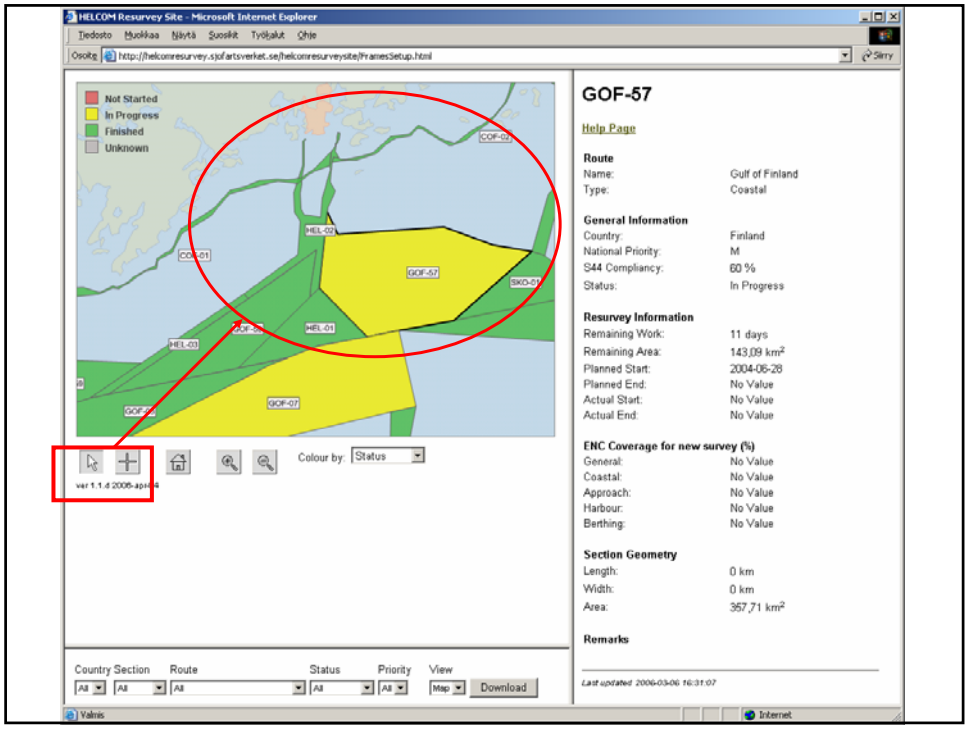
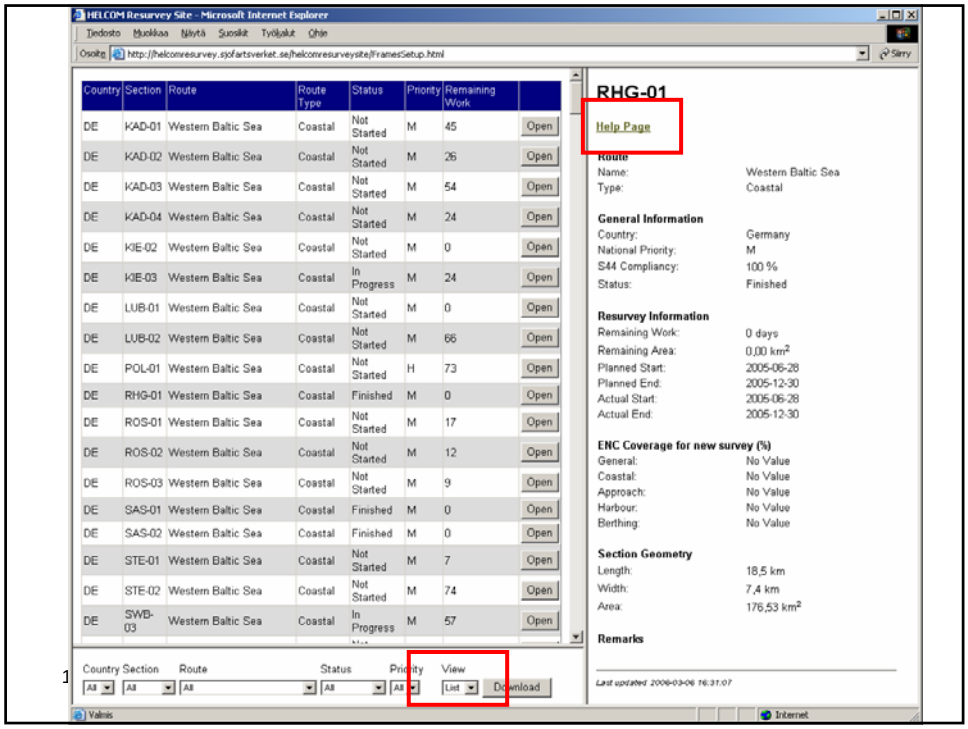
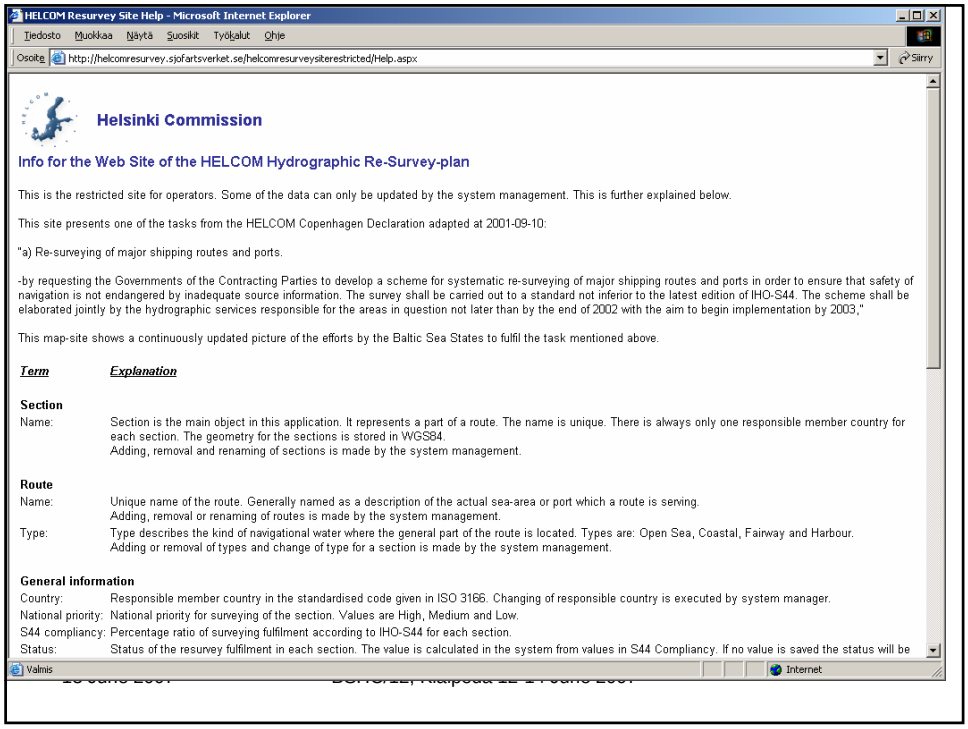
Valmis
Internet


HELCOM Resurvey Site - Microsoft Internet Explorer
Not Started
In Progress
Finished
Unknown
GOF-57
Help Page
Route
Name: Gulf of Finland
Type: Coastal
General Information
Country: Finland
National Priority: M
S44 Compliancy: 60 %
Status: In Progress
Resurvey Information
Remaining Work: 11 days
Remaining Area: 143,09 km²
Planned Start: 2004-06-28
Planned End: No Value
Actual Start: No Value
Actual End: No Value
ENC Coverage for new survey (%)
General: No Value
Coastal: No Value
Approach: No Value
Harbour: No Value
Berthing: No Value
Section Geometry
Length: 0 km
Width: 0 km
Area: 357,71 km²
Remarks
Colour by: Status
Country Section Route Status Priority View
Download


HELCOM Resurvey Site - Microsoft Internet Explorer
Country Section Route Route Type Status Priority Remaining Work
DE KAD-01 Western Baltic Sea Coastal Not Started M 45 Open
DE KAD-02 Western Baltic Sea Coastal Not Started M 26 Open
DE KAD-03 Western Baltic Sea Coastal Not Started M 54 Open
DE KAD-04 Western Baltic Sea Coastal Not Started M 24 Open
DE KIE-02 Western Baltic Sea Coastal Not Started M 0 Open
DE KIE-03 Western Baltic Sea Coastal In Progress M 24 Open
DE LUB-01 Western Baltic Sea Coastal Not Started M 0 Open
DE LUB-02 Western Baltic Sea Coastal Not Started M 66 Open
DE POL-01 Western Baltic Sea Coastal Not Started H 73 Open
DE RHG-01 Western Baltic Sea Coastal Finished M 0 Open
DE ROS-01 Western Baltic Sea Coastal Not Started M 17 Open
DE ROS-02 Western Baltic Sea Coastal Not Started M 12 Open
DE ROS-03 Western Baltic Sea Coastal Not Started M 9 Open
DE SAS-01 Western Baltic Sea Coastal Finished M 0 Open
DE SAS-02 Western Baltic Sea Coastal Finished M 0 Open
DE STE-01 Western Baltic Sea Coastal Not Started M 7 Open
DE STE-02 Western Baltic Sea Coastal Not Started M 74 Open
DE SWB-03 Western Baltic Sea Coastal In Progress M 57 Open
RHG-01
Help Page
Route
Name: Western Baltic Sea
Type: Coastal
General Information
Country: Germany
National Priority: M
S44 Compliancy: 100 %
Status: Finished
Resurvey Information
Remaining Work: 0 days
Remaining Area: 0,00 km²
Planned Start: 2005-06-28
Planned End: 2005-12-30
Actual Start: 2005-06-28
Actual End: 2005-12-30
ENC Coverage for new survey (%)
General: No Value
Coastal: No Value
Approach: No Value
Harbour: No Value
Berthing: No Value
Section Geometry
Length: 18,5 km
Width: 7,4 km
Area: 176,53 km²
Remarks
Country Section Route Status Priority View
Download


HELCOM Resurvey Site Help - Microsoft Internet Explorer
Tiedosto Muokkaa Näytä Suosikit Työkalut Ohje
Osoite http://helcomresurvey.sjofartsverket.se/helcomresurveysiterestricted/Help.aspx
Siirry
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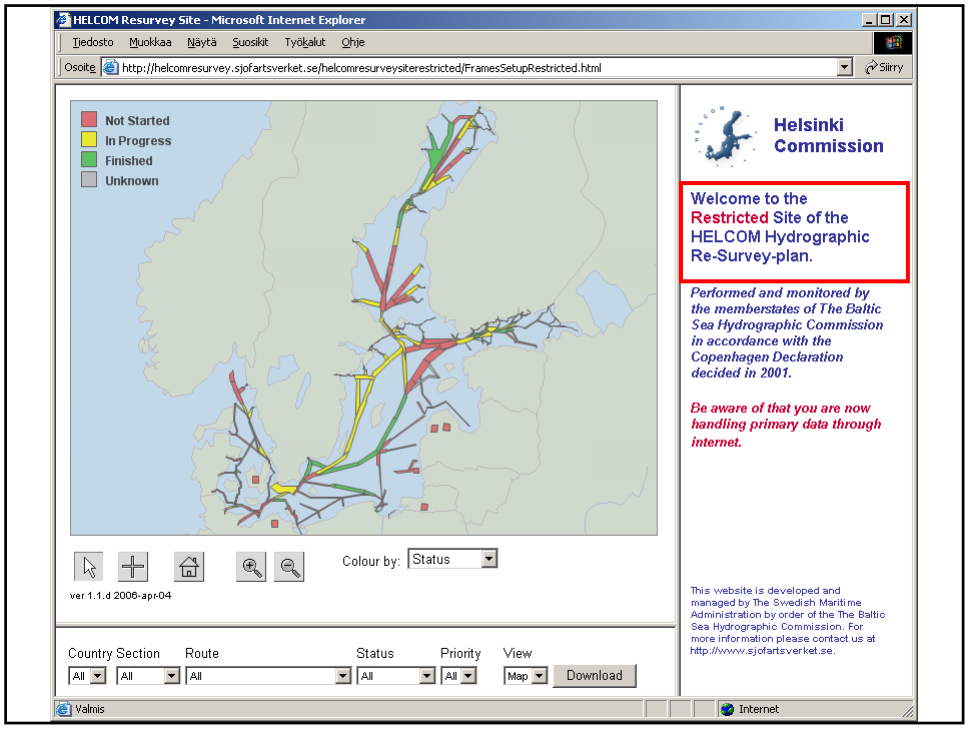
Info for the Web Site of the HELCOM Hydrographic Re-Survey-plan
This is the restricted site for operators. Some of the data can only be updated by the system management. This is further explained below.
This site presents one of the tasks from the HELCOM Copenhagen Declaration adapted at 2001-09-10:
"a) Re-surveying of major shipping routes and ports.
-by requesting the Governments of the Contracting Parties to develop a scheme for systematic re-surveying of major shipping routes and ports in order to ensure that safety of navigation is not endangered by inadequate source information. The survey shall be carried out to a standard not inferior to the latest edition of IHO-S44. The scheme shall be elaborated jointly by the hydrographic services responsible for the areas in question not later than by the end of 2002 with the aim to begin implementation by 2003,"
This map-site shows a continuously updated picture of the efforts by the Baltic Sea States to fulfil the task mentioned above.
Term
Explanation
Section
Name:
Section is the main object in this application. It represents a part of a route. The name is unique. There is always only one responsible member country for each section. The geometry for the sections is stored in WGS84.
Adding, removal and renaming of sections is made by the system management.
Route
Name:
Unique name of the route. Generally named as a description of the actual sea-area or port which a route is serving.
Adding, removal or renaming of routes is made by the system management.
Type:
Type describes the kind of navigational water where the general part of the route is located. Types are: Open Sea, Coastal, Fairway and Harbour.
Adding or removal of types and change of type for a section is made by the system management.
General information
Country:
Responsible member country in the standardised code given in ISO 3166. Changing of responsible country is executed by system manager.
National priority:
National priority for surveying of the section. Values are High, Medium and Low.
S44 compliancy:
Percentage ratio of surveying fulfilment according to IHO-S44 for each section.
Status:
Status of the resurvey fulfilment in each section. The value is calculated in the system from values in S44 Compliancy. If no value is saved the status will be
Valmis
Internet


HELCOM Resurvey Site - Microsoft Internet Explorer
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Osoite http://helcomresurvey.sjofartsverket.se/helcomresurveysiterestricted/FramesSetupRestricted.html
Siirry
Not Started
In Progress
Finished
Unknown
Colour by: Status
ver 1.1.d 2006-apr-04
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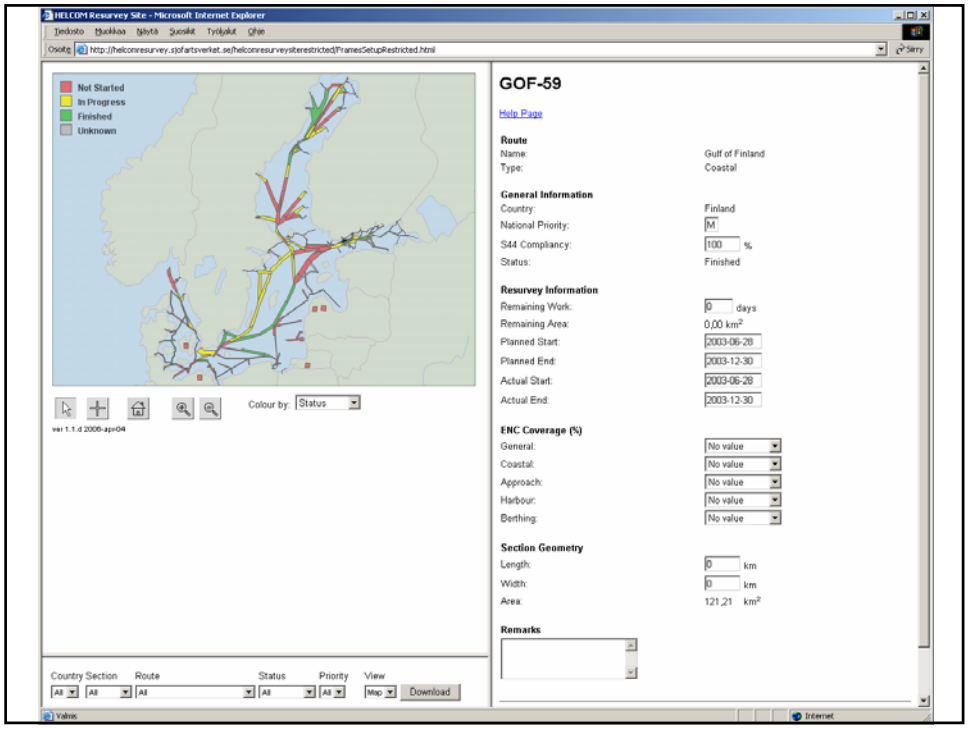
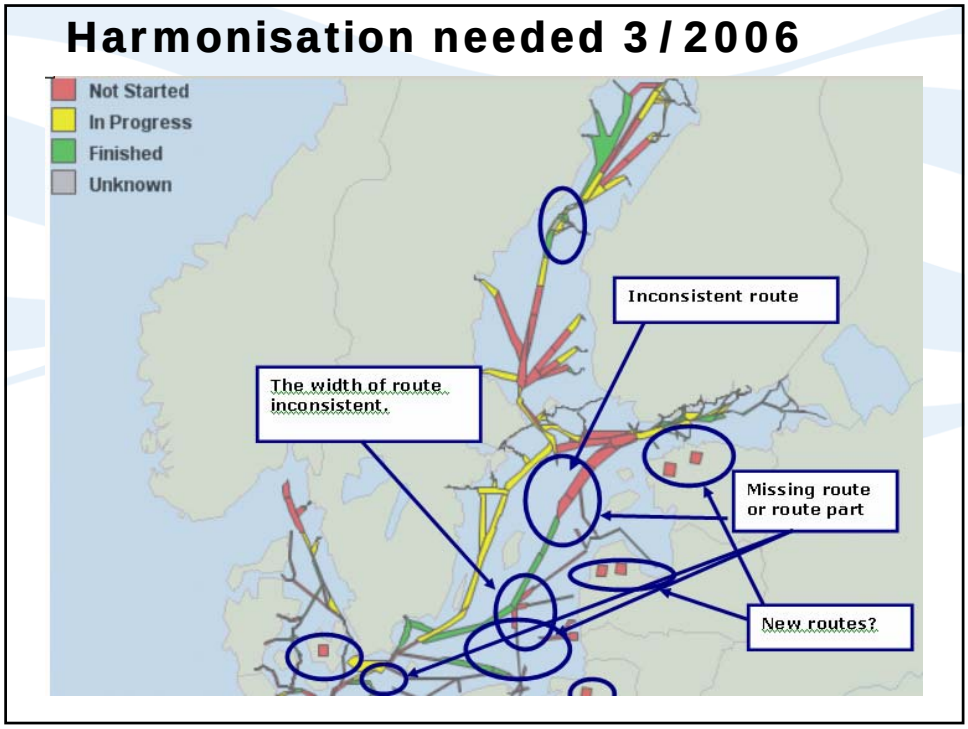
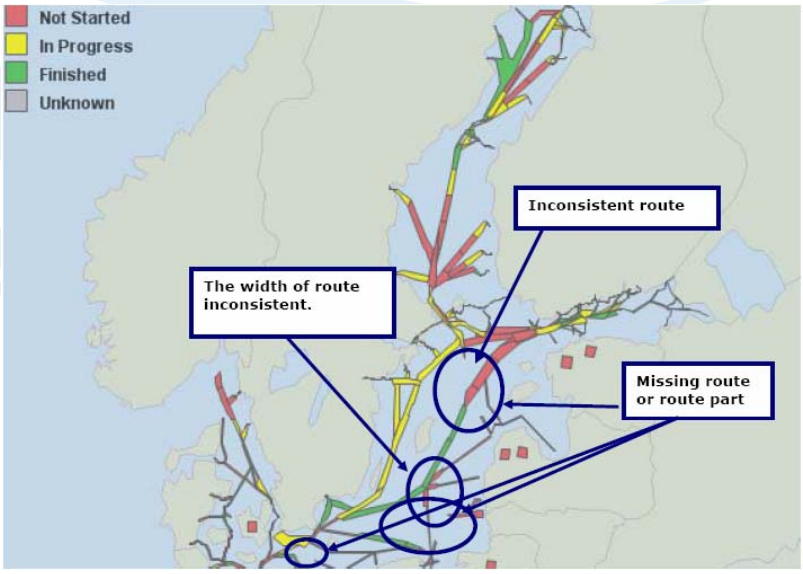

HELCOM Resurvey Site - Microsoft Internet Explorer
Not Started
In Progress
Finished
Unknown
Colour by: Status
GOF-59
Help Page
Route
Name: Gulf of Finland
Type: Coastal
General Information
Country: Finland
National Priority: M
S44 Compliancy: 100 %
Status: Finished
Resurvey Information
Remaining Work: 0 days
Remaining Area: 0,00 km²
Planned Start: 2003-06-28
Planned End: 2003-12-30
Actual Start: 2003-06-28
Actual End: 2003-12-30
ENC Coverage (%)
General: No value
Coastal: No value
Approach: No value
Harbour: No value
Berthing: No value
Section Geometry
Length: 0 km
Width: 0 km
Area: 121,21 km²
Remarks
Country Section
Route
Status
Priority
View
Download


Harmonisation needed 3/2006
Not Started
In Progress
Finished
Unknown
Inconsistent route
The width of route inconsistent.
Missing route or route part
New routes?

Harmonisation needed 6 / 2007



MWG Work Programme:

MWG Work Programme V 3.0

- **Approved by the BSHC 11 Conference**
- **Roughly 20% of Tasks completed**

Proposed MWG Work Programme 4.1