

ANNEX I

User Guide

System and software requirements

PC 486 or higher; CD-ROM drive.

Win 9x; WinNT or higher; MS Access 7 or higher (included in MS Office Professional);
for Macintosh and Linux: VMware (see: www.vmware.com)

HTML-Browser, ArcExplorer, Acrobat Reader (all included on this CD)

recommended display resolution 1024x768 pixels

Note: If database forms differ considerably from the screenshots below, displayed information can be truncated or incomplete! Please adjust your display resolution to 1024x768 pixels.

Before first usage

Some features of the database require additional programs. You will find them on the GROMS-CD. They are freely available and do not require a license for private use.

- Acrobat Reader (to read textfiles with the ending .pdf, e.g. user guides)
Installation: Switch to the directory on the CD-ROM, ‚Software\AcrobatReader‘. Double-click with the left mouse button on the file *arce405eng.exe* and follow the instructions on the screen.
- ArcExplorer (to display maps)
Installation: Switch to the directory on the CD-ROM, ‚Software\ArcExplorer‘. Double-click with the left mouse button on the file *ae2setup.exe* and follow the instructions on the screen.
- HTML-Browser (to open HTML-files or Internet-files)
Installation: Switch to the directory on the CD-ROM ‚Software\Browser\netscape‘ or ‚..\\ie6‘. Double-click with the left mouse button on the file *n32d408.exe* (Netscape) or *ie6setup.exe* (MS Internet Explorer) and follow the instructions on the screen.

Start

1. Insert the CD into your CD-ROM drive.
2. A start page pops up, informing about copyright. Clicking on the ‚Accept‘-link leads you to the next pages with background information about GROMS.
3. Open the Windows Explorer by clicking with the right mouse button on ‚Start‘ (in the lower left corner of the screen). In the following pop-up-menu, click with the left mouse button on ‚Explorer‘. Click with the left mouse button on the letter of your CD-ROM drive.
Start the file *gromsaccess97.mdb* (or *gromsaccess2000.mdb*, if you have the Access2000-version) by double-clicking with the left mouse button.

Note: If the start page does not open automatically, or if you cannot open the database, open the file „readme.txt“ on the CD.

This is the main form of the GROMS database. It starts automatically when you open the database and can be reached from other forms via the **Home** - buttons. In the following we will only explain the functions of the **View zone**. The **Edit zone** is meant for experienced users who have the database installed on their computer and want to enter own data. It will not be explained here.

Clicking on any one of these buttons will open a form with which you can search the database. Each form will later be explained in detail. You get species-specific information via the species lists .

Literature

Click here to search the literature.

Species List

Click here for a species list according to different criteria you can select.

Geosearch

Click here for a species list according to geographic distribution.

Clicking here will close Access and with it the database.

Microsoft Access - [FrmN_Opening : Formular]

Datei Bearbeiten Ansicht Einfügen Format Datensätze Extras Fenster ?

View zone

Species List

Literature

Geosearch

GROMS

Global Register of
Migratory Species
www.groms.de

Recommended screen resolution: 1024 x 768

Edit zone

Edit

GROMS is a Research and Development project financed by the German Federal Environment Ministry (BMU) through the Federal Agency for Nature Conservation (BfN).
Please report mistakes and suggestions to: k.riede.zfmk@uni-bonn.de
<http://www.bmu.de/> <http://www.bfn.de/>

Formularansicht 1/1

With this form you can search the literature of the GROMS database with currently over 5000 entries. A lot of the literature is in English which is not marked separately. All other languages are indicated by giving their name in square brackets after the title. When this form opens it always gives a complete list of all the literature in the database.

Each entry is quoted in the following way: Author(s) (Year): Title, Source. Depending on the entry, 'source' will give the journal, the book or the publisher.

If available, this field contains a link to a pdf-file on the CD (you need the Acrobat Reader for this) or to a website on the internet (you need internet access and a browser for this).

This field may contain further information. In order to zoom in, click into the field and then press Shift (⇧) and F2 at the same time.

Microsoft Access - [rmP_Literatur : Formular]

Datei Bearbeiten Ansicht Einfügen Format Datensätze Extras Fenster ?

Home printable report Literature Quick Search Help

type in search text submit

Preselection Panel

☐ Mammalia ☐ Pisces
☐ Aves ☐ Invertebrata
☐ Reptilia

Aarvak, T. ; Øien IJ, Tolvanen P, Markkola J (1998): Two pieces of the spring migration puzzle of the Fennoscandian Lesser White-fronted Goose population in place, Fennoscandian, Lesser white-fronted

Aarvak, T. ; Øien IJ (1998): Monitoring and catching of staging Lesser White-fronted Geese at the Valdaik Marshes in 1998, Fennoscandian, Lesser white-fronted Goose conservation project, 10, Helsinki, 22-26

Abaigar, T. ; Cano M, Espeso G, Ortiz J (1997): Introduction of Mhorz gazelle <i>Gazella dama mhorz</i> in Bou-Hedma National Park, Tunisia, International Zoo Yearbook, 35, . 311-316

Since 1968 the Mhorz gazelle *Gazella dama mhorz* has been exti

Abdel Kader, AF. ; Nasr SM, ElGamily HI, ElRaey M (1998): Environmental sensitivity analysis of potential oil spill for Ras-Mohammed Coastal Zone, Egypt., Journal of Coastal Research, 14, . 502-510

Ras-Mohammed National Park, on the southern tip of Sinai penin

Abdulali, H. : (19): Bat migration in India and other notes on bats: a correction., Journal of Bombay Nat. Hist. Soc., .

Abeele, M van den. : (1946): Contribution to Congolese speleology. The caves of the Homas Mountains., Bull. Séances Inst. Royal Colonial Belge, Brussels, 17, . 358-363

Abello, P. ; Oro D (1998): Offshore distribution of seabirds in the northwestern Mediterranean in June 1995., Colonial Waterbirds, 21, . 422-426

The offshore distribution of seabirds was examined during an oc

Able, KP. ; Belthoff JR (1998): Rapid 'evolution' of migratory behaviour in the introduced house finch of eastern North America., Proceedings of the Royal Society of London - Series B: Biological Sciences, 265, .

Datensatz: 14 von 5168

Formularansicht

Like all the main forms, Literature Search contains a **Help** - button. Click on it to get a short description of the functions of the form. Note that you have to close that pop-up window before you can continue to use the database.

Click on any of those buttons to close this pop-up window.

The screenshot shows a Microsoft Access window titled 'Microsoft Access - [FrmP_Literatur : Formular]'. The main form is 'Literature Quick Search' and contains the following elements:

- Buttons:** 'Home', 'printable report', 'submit', and a 'Help' button in the top right corner.
- Preselection Panel:** A panel with checkboxes for 'Mammalia', 'Pisces', 'Aves', 'Invertebrata', and 'Reptilia'.
- Search Field:** A text box labeled 'type in search text'.
- Record List:** A list of search results, each with a text box for the author/year and a text box for the title/abstract. The records include:
 - Aarvak, T. ; Øien I.J. Tolvanen P. Markkola J (1998): Two pieces of the spring migration puzzle of the Fennoscandian Lesser White-fronted Goose population in place, Fennoscandian, Lesser white-fronted
 - Aarvak, T. ; Øien I.J (1998): Monitoring and catching of staging Lesser White-fronted Geese at the Valdak Marshes in 1998, Fennoscandian, Lesser v
 - Abaigar, T. ; Cano M. Espeso G. Ortiz J (1998): Bou-Hedma National Park, Tunisia, Intern
 - Abdel Kader, AF. ; Nasr SM, ElGamily H. (1998): spill for Ras-Mohammed Coastal Zone, Ec
 - Abdulali, H. ; (19): Bat migration in India e Soc...
 - Abeele, M van den. ; (1946): Contribution to Congolese speleology. The caves of the Homas Mountains., Bull. Séances Inst. Royal Colonial Belge, Brussels, 17, . 358-363
 - Abello, P. ; Oro D (1998): Offshore distribution of seabirds in the northwestern Mediterranean in June 1995., Colonial Waterbirds, 21, . 422-426
 - Able, KP. ; Belthoff JR (1998): Rapid 'evolution' of migratory behaviour in the introduced house finch of eastern North America., Proceedings of the Royal Society of London - Series B: Biological Sciences, 265, .


A pop-up window titled 'FrmU_Literatur_Help : Formular' is open, displaying the following text:

With this form you can search for Literature. You can search for literature about an animal class or for a certain phrase. To combine the two, you have to select the class first. Click on ☐ in the preselection panel to select an animal class. You can search for words, parts of words or numbers (from author, title, source or year) by entering them into the field on top of the form. A click on **submit** will start the search.

In order to continue using the GROMS-database you have to close this window by clicking on **X**.

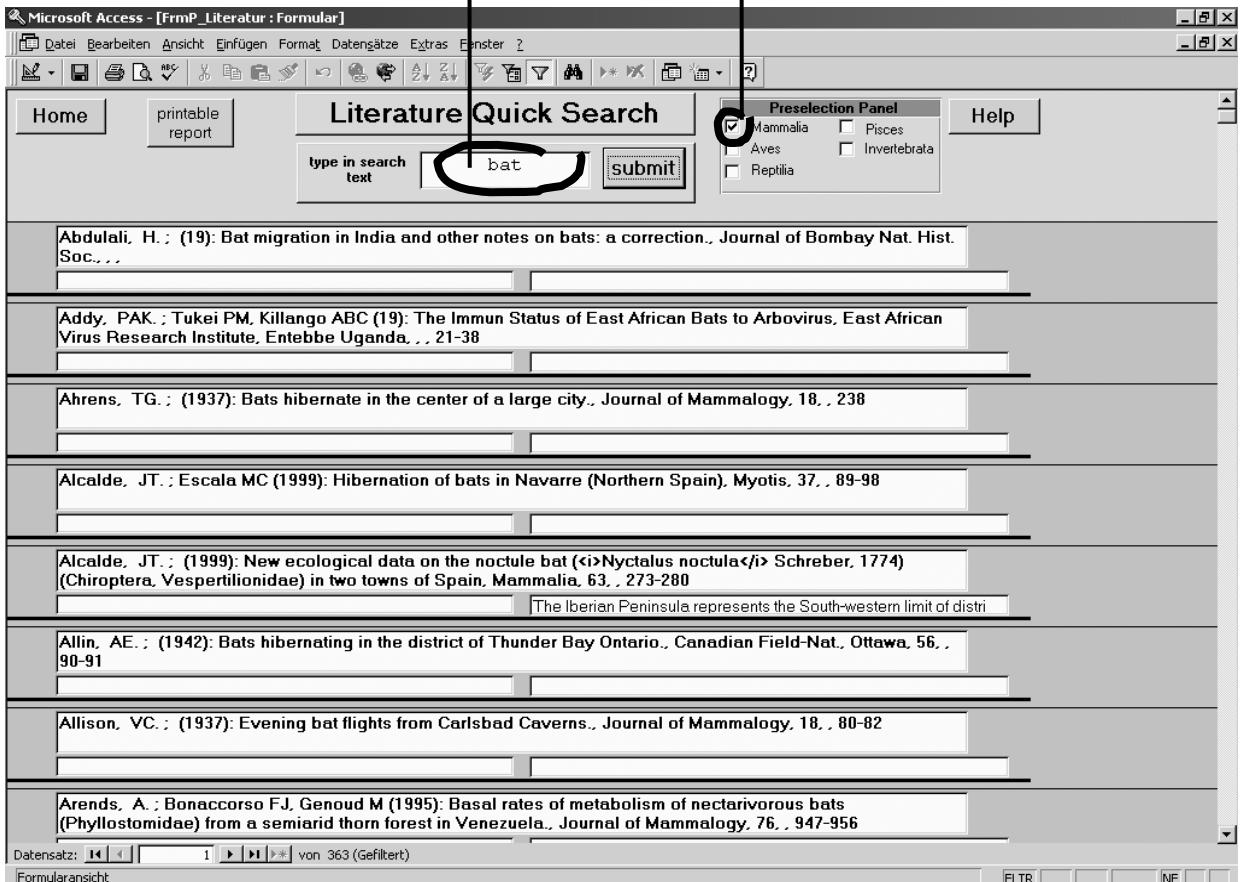
The pop-up window has a close button (X) in its top right corner, which is circled. A line points from the text box above to this button. The 'Help' button on the main form is also circled.

At the bottom of the Access window, the status bar shows 'Datensatz: 1 von 4605' and 'Formularansicht'.

Type in a search text and/or select an animal class in the preselection panel. If you want to combine the two options, you have to select the animal class first. Search text and class selection will be combined by a logical 'and' (you will only get results where both class and search text match). Click on  to start the search.

Enter a phrase, a word, part of a word or a number in this field. The database will search for the entered text in Author(s), Year, Title and Source, for whole words as well as parts of words. So you might get unexpected results.

Click on one of the tickboxes to get literature about that animal class. This will only work for literature that deals with a single animal class. It is only possible to select one class at a time. To clear a tickbox, simply click on it again.



Microsoft Access - [FrmP_Literatur : Formular]

Home printable report Literature Quick Search Help

type in search text bat submit

Preselection Panel

☒ Mammalia ☐ Pisces
☐ Aves ☐ Invertebrata
☐ Reptilia

Abdulali, H. : (19): Bat migration in India and other notes on bats: a correction., Journal of Bombay Nat. Hist. Soc., ...

Addy, PAK. : Tukei PM, Killango ABC (19): The Immun Status of East African Bats to Arbovirus, East African Virus Research Institute, Entebbe Uganda, . . 21-38

Ahrens, TG. : (1937): Bats hibernate in the center of a large city., Journal of Mammalogy, 18, . 238

Alcalde, JT. : Escala MC (1999): Hibernation of bats in Navarre (Northern Spain), Myotis, 37, . 89-98

Alcalde, JT. : (1999): New ecological data on the noctule bat (<i>Nyctalus noctula</i> Schreber, 1774) (Chiroptera, Vespertilionidae) in two towns of Spain, Mammalia, 63, . 273-280

The Iberian Peninsula represents the South-western limit of distri

Allin, AE. : (1942): Bats hibernating in the district of Thunder Bay Ontario., Canadian Field-Nat., Ottawa, 56, . 90-91

Allison, VC. : (1937): Evening bat flights from Carlsbad Caverns., Journal of Mammalogy, 18, . 80-82

Arends, A. : Bonaccorso FJ, Genoud M (1995): Basal rates of metabolism of nectarivorous bats (Phyllostomidae) from a semiarid thorn forest in Venezuela., Journal of Mammalogy, 76, . 947-956

Datensatz: 1 von 363 (Gefiltert)

Formularansicht

In order to see the whole contents of a field, zoom in by clicking on the field and then pressing Shift (⇧) and F2 at the same time.

Clicking here will open report containing the results of you search in a printable form. Make sure to check the number of pages before starting to print! This feature will be explained in greater detail later.

In order to continue using the GROMS database you have to close the zoom window by clicking there.

Microsoft Access - [FrmP_Literatur : Formular]

Home printable report Literature Quick Search

type in search text bat submit

Preselection Panel

- ☒ Mammalia ☐ Pisces
- ☐ Aves ☐ Invertebrata
- ☐ Reptilia

Help

Bat Conservation Trust. .: (2002): Brown long-eared bat: <i>Plecotus auritus</i>....

<http://www.bats.org.uk/batinfo/ble.htm> Long-eared bats are medium sized. The ears are nearly as long

Bat Conservation Trust. .: (2002): Pipistrelle: <i>Pipistrellus pipistrellus</i>....

<http://www.bats.org.uk/batinfo/pipis.htm> The pipistrelle is Britain's smallest bat. It varies in colour, but is u

Bat Conservation Trust. .: (2002): Noctule bat: <i>Nyctalus noctula</i>....

<http://www.bats.org.uk/batinfo/noctule.htm> The noctule bat is one of the largest British species and is small

Bat Conservation Trust. .: (2002): Greater ho

http://www.bats.org.uk/batinfo/gr_horse.htm

Bat Conservation Trust. .: (2002): Daubenton

<http://www.bats.org.uk/batinfo/daub>

Bat sightings in Austin. .: (2002): Masters of (<i>Tadarida brasiliensis</i>)... .

<http://austin360.com/local/bats2/batfacts.htm>

Bauer, K. : (1955): Mass bat migration near N 156

Beer, JR. : (1954): A record of the hoary bat from a cave., Journal of Mammalogy. 35. , 116

Datensatz: 14 23 von 363 (Gefiltert)

Formularansicht

Zoom

The pipistrelle is Britain's smallest bat. It varies in colour, but is usually medium to dark brown on the back and only slightly paler underneath. It is the most common species in towns. Pipistrelles fly at or slightly above head height with irregular twists and dives. Their flight appears fast and jerky as they dodge about pursuing small insects, which are caught and eaten in flight. A single pipistrelle may consume up to 3000 insects in a night. It is now considered that the pipistrelle bat actually comprises two species; but official names have not yet been assigned to them. They differ in echolocation calls, social calls, DNA and in certain aspects of their roosting and foraging behaviour (see Barrett, E. et al. 1997, Nature 387: 138-139). There are also slight differences in appearance.

OK Abbrechen

With this form you can create a species list according to several different criteria. You can search taxonomically (Class, 'Group', Family, Species), geographically (Geo-Search), or according to various stati (e.g. Migration, CMS, Red List). Select an entry from a drop-down list, or click on a tickbox. Leave fields blank to select all. For technical reasons it is not possible to clear a tickbox by clicking on it. You therefore have to use the **clear selection** -button, which will clear the **whole** form (and not just the tickbox). This form has some special features:

- After a class has been selected, only the appropriate groups, families and species will show in the drop-down lists and any already selected entries in these fields will disappear. The same applies to group (families and species) and family (species).
- If you select a species (in any language), the other names will appear automatically, provided they are in the database.
- It is only possible to look for a species by drop-down list **or** matching letters. Entries in one field (e.g. Latin) will clear the other (matching letters).
- Selecting a species (by drop-down or matching letters) will clear all fields in the lower part of the form (Stati and Geo-Search) and vice versa.

Microsoft Access - [FrmH_Species_List : Formular]

Home Help

Class	<input type="text"/>	Species English	<input type="text"/>
Group	<input type="text"/>	Species German	<input type="text"/>
Family	<input type="text"/>	Species French	<input type="text"/>
Species Latin	<input type="text"/>	Species Spanish	<input type="text"/>
Matching letters from species name (any language)		<input type="text"/>	

<p>Migration <input type="text"/></p> <p>Mapped Species <input type="checkbox"/> Species mapped by GROMS</p> <p>CMS <input type="text"/></p> <p>CMS-Agreements</p> <ul style="list-style-type: none"> <input type="checkbox"/> ACCOBAMS <input type="checkbox"/> AEW/A <input type="checkbox"/> ASCOBANS <input type="checkbox"/> EUROBATS <input type="checkbox"/> Wadden Sea <input type="checkbox"/> Memorandum of Understanding <p>Cites <input type="text"/></p> <p>Red List</p> <ul style="list-style-type: none"> <input type="checkbox"/> Listed <input type="checkbox"/> Extinct <input type="checkbox"/> Extinct in the Wild <input type="checkbox"/> Critically Endangered <input type="checkbox"/> Endangered 	<p>GEO-Search</p> <p>Only for species mapped by GROMS, or with IUCN country lists.</p> <p>Regions <input type="text"/></p> <p>Country <input type="text"/></p> <p>Administrative unit <input type="text"/></p> <p>Note</p>
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Submit clear selection

This was your SQL-statement:

Formularansicht

It is possible to combine most of the criteria in this form to build a query (for exception see above). All selected entries will be combined by a logical 'and', so that with certain combinations of criteria the query will yield no result. In that case, please try again with fewer arguments. Also note that not all species have common names in all languages, and there might be several different names in a given language for the same species. It is best to search for a species by its Latin name.

Click here to close this form and get back to the opening form.

Select an entry from the drop-down list by first clicking on ▼ and then on the desired entry.

Click here to clear all fields. It is not possible to clear individual fields.

Click here to get a short description of how this form works.

The screenshot shows a Microsoft Access form titled 'FrmH_Species_List : Formular'. The form is divided into several sections with various input fields and buttons. Callouts point to specific elements:

- Home button:** Located at the top left of the form, circled in red. A callout points to it with the text: 'Click here to close this form and get back to the opening form.'
- Class dropdown:** A dropdown menu showing 'Mammalia', 'Aves' (highlighted), 'Reptilia', 'Pisces', and 'Invertebrata'. A callout points to it with the text: 'Select an entry from the drop-down list by first clicking on ▼ and then on the desired entry.'
- Help button:** Located at the top right of the form, circled in red. A callout points to it with the text: 'Click here to get a short description of how this form works.'
- Clear selection button:** Located at the bottom right of the form, circled in red. A callout points to it with the text: 'Click here to clear all fields. It is not possible to clear individual fields.'

The form contains the following sections and fields:

- Class:** A dropdown menu with options: Mammalia, Aves, Reptilia, Pisces, Invertebrata.
- Group:** A dropdown menu.
- Family:** A dropdown menu.
- Species Latin:** A dropdown menu.
- Species English:** A text input field.
- Species German:** A text input field.
- Species French:** A text input field.
- Species Spanish:** A text input field.
- Matching letters from species name (any language):** A text input field.
- Migration:** A dropdown menu.
- Mapped Species:** A checkbox labeled 'Species mapped by GROMS'.
- CMS:** A dropdown menu.
- CMS-Agreements:** A list of checkboxes: ACCOBAMS, AEW/A, ASCOBANS, EUROBATS, Wadden Sea, Memorandum of Understanding.
- Cites:** A dropdown menu.
- Red List:** A list of checkboxes: Listed, Extinct, Extinct in the Wild, Critically Endangered, Endangered, Vulnerable, Lower Risk, Conservation Dependent, Lower Risk, Near Threatened, Data Deficient, Not Listed.
- GEO-Search:** A section titled 'Only for species mapped by GROMS, or with IUCN country lists' containing:
 - Regions:** A dropdown menu.
 - Country:** A dropdown menu.
 - Administrative unit:** A dropdown menu.
 - Note:** A button.
- Submit:** A button at the bottom center.
- clear selection:** A button at the bottom right, circled in red.

At the bottom of the form, there is a section titled 'This was your SQL-statement:' followed by a text area. The status bar at the bottom left shows 'Formularansicht' and the bottom right shows 'NF'.

There are countless possibilities for a query. With the one shown below we are looking for all birds that are mapped by GROMS, listed on the 2000 IUCN Red List of Threatened Species (excluding lower risk and data deficient) and occur in Europe. When using geographical criteria, bear in mind that this kind of information is not available for all species. So the resulting list might be incomplete.

Click here to start the search and get a species list.

Click here to get country lists for all the regions (according to the 2000 IUCN Red List of Threatened Species).

Microsoft Access - [FrmH_Species_List : Formular]

Home Help

Class	Aves	Species English	
Group		Species German	
Family		Species French	
Species Latin		Species Spanish	
Matching letters from species name (any language)			

Migration

Mapped Species ☒ Species mapped by GROMS

CMS

CMS-Agreements

- ☐ ACCOBAMS
- ☐ AEW/A
- ☐ ASCOBANS
- ☐ EUROBATS
- ☐ Wadden Sea
- ☐ Memorandum of Understanding

Cites

Red List

- ☒ Listed
- ☒ Extinct
- ☒ Extinct in the Wild
- ☒ Critically Endangered
- ☒ Endangered
- ☐ Vulnerable
- ☐ Lower Risk, Conservation Dependent
- ☐ Lower Risk, Near Threatened
- ☐ Data Deficient
- ☐ Not Listed

GEO-Search

Only for species mapped by GROMS, or with IUCN country lists.

Regions ☒ Europe

Country

Administrative unit

Note

Submit clear selection

This was your SQL-statement:

Formularansicht

This pop-up window gives you a list of all regions, with a drop-down country list for each region.

You have to close this window by clicking here in order to continue to use the database.

The screenshot shows the Microsoft Access application with the 'FrmH_Regions : Formular' window open. The window has a title bar with standard Windows controls and a menu bar. Below the menu bar is a toolbar. The main area of the window is divided into two panes. The left pane contains a 'Home' tab and a list of fields: Class (Aves), Group, Family, Species Latin, Matching letters from species name (any language), Migration, Mapped Species (checked), CMS, CMS-Agreements (ACCOBAMS, AEW/A, ASCOBANS, EUROBATS, Wadden Sea, Memorandum of Understanding), Cites, and Red List (Listed, Extinct, Extinct in the Wild, Critically Endangered, Endangered). The right pane contains a list of regions: Antarctic, Caribbean Islands, East Asia, Europe, Mesoamerica, North Africa, North America, North Asia, Oceania, South and Southeast Asia, South America, Sub-Saharan Africa, and West and Central Asia. Each region has a corresponding drop-down menu. The 'Europe' drop-down menu is open, showing a list of countries: Albania, Andorra, Austria, Belgium, Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Czechoslovakia, former, Denmark, Estonia, Faeroe Islands, Finland, France, France, Metropolitan, Germany, Gibraltar, Greece, Greenland, and Hungary. At the bottom of the window are two buttons: 'Submit' and 'clear selection'. Below these buttons is a text box labeled 'This was your SQL-statement:'. The status bar at the bottom of the window shows 'Formularansicht' and 'NF'.

Microsoft Access - [FrmH_Species_List : Formular]

File Bearbeiten Ansicht Einfügen Format Datensätze Extras Fenster ?

Home

Class: Aves

Group:

Family:

Species Latin:

Matching letters from species name (any language)

Migration:

Mapped Species: ☒ Species mapped by GROMS

CMS:

CMS-Agreements:

- ☐ ACCOBAMS
- ☐ AEW/A
- ☐ ASCOBANS
- ☐ EUROBATS
- ☐ Wadden Sea
- ☐ Memorandum of Understanding

Cites:

Red List:

- ☒ Listed
- ☒ Extinct
- ☒ Extinct in the Wild
- ☒ Critically Endangered
- ☒ Endangered

Antarctic

Caribbean Islands

East Asia

Europe

Mesoamerica

North Africa

North America

North Asia

Oceania

South and Southeast Asia

South America

Sub-Saharan Africa

West and Central Asia

Albania

Andorra

Austria

Belgium

Bosnia & Herzegovina

Bulgaria

Croatia

Czech Republic

Czechoslovakia, former

Denmark

Estonia

Faeroe Islands

Finland

France

France, Metropolitan

Germany

Gibraltar

Greece

Greenland

Hungary

Lower Risk, Near Threatened

Data Deficient

Not Listed

Submit

clear selection

This was your SQL-statement:

Formularansicht

Results

This form gives you the results of your search in form of a species list. The species are sorted alphabetically according to their scientific name. In order to get explanations of the abbreviations used (for CMS, Red List, SPEC and CITES), position the mouse pointer on top of a field and wait for a few seconds without moving it.

Click here to switch to table view.

Click here to go back to the Species List form.



In order to get to the full report for this species, you have to click here.

Clicking here will open a short report with some geographic information and links (if available) to the map, a website or some information on the GROMS CD.

For explanations on migratory status or CMS-agreements, click here.

Microsoft Access - [Frm_Main_Selection_Panel_Specieslist]


















Query Results

Click  for a full species report, or  for short report

Help

Latin English French CMS-Status Red List 2000 SPEC (Europe) CITES

Important Synonym German Spanish Agreement Migratory status (Click here for definitions)

 Acrocephalus paludicola	Aquatic warbler	Phragmite aquatique	App I & II	VU	1	NL
	Seggenrohrsänger	Caricierin				
 Brachyramphus marmoratus	Marbled murrelet	Guillemot marbré	NL			
	Marmelalk	Mérgulo jaspeado				
 Chlidonias albobristatus	Black-fronted tern	Guillette des galets	NL			
	Sterna albobristatus	Graubauch-Seeschwalbe				
 Dendroica kirtlandii	Kirtland's warbler	Paruline de Kirtland	App I	VU		NL
	Kirtlands Waldsänger	Silbador de Kirtland				
 Eudyptes chrysocome	Rockhopper penguin	Gorfou sauteur	NL	VU		NL
	Felsenpinguin	Pinguino saltarocas				
 Eudyptes chrysolophus	Macaroni penguin	Gorfou doré	NL	VU		NL
	Goldschopfpinguin	Pinguino macarrones				
 Eudyptes pachyrhynchus	Fiordland penguin	Gorfou du Fiordland	NL	VU		NL
	Dickschnabelpinguin	Pinguino de Fiordland				
 Eudyptes robustus	Snares penguin	Gorfou des Snares	NL	VU		NL
	Snaresinselpinguin	Pinguino de las Snares				
 Eudyptes schlegeli	Royal penguin	Gorfou de Schlegel	NL	VU		NL

Datensatz: 14 1 von 33

Formularansicht

NF

Results (Tableview)

This is the table view of the species list, which is better suited for printing than the form view. You can move the columns, sort them, adjust width (and height). Select a column by clicking on its name (the whole column will be highlighted). Move columns by drag-and-drop.

Click here and select 'form view' from the drop-down to get back to the form above.

Click here to sort column.

Click here to adjust the width of a column.

Microsoft Access [Frm_Main_Selection_Panel_Specieslist]

Ansicht Einfügen Format Datensätze Fenster ?

Entwurfsansicht Formularansicht Datenblattansicht

	Important	Synonym	English	German	French	
			Aquatic warbler	Regenrohrsänger	Phragmite aquatique	Carrice
			Marbled murrelet	Marmelalk	Guillemot marbré	Mérgulc
			Black-fronted tern	Graubauch-Seeschwalbe	Guifette des galets	Charrár
			Kirtland's warbler	Kirtlands Waldsänger	Paruline de Kirtland	Silbado
			Rockhopper penguin	Felsenpinguin	Gorfou sauteur	Pinguin
			Macaroni penguin	Goldschopfpinguin	Gorfou doré	Pinguin
			Fiordland penguin	Dickschnabelpinguin	Gorfou du Fiordland	Pinguin
			Snares penguin	Snaresinselpinguin	Gorfou des Snares	Pinguin
			Royal penguin	Haubenpinguin	Gorfou de Schlegel	Pinguin
			Erect-crested penguin	Sclaterpinguin	Gorfou huppé	Pinguin
			Hermit Ibis	Waldrapp	Ibis chauve	Ibis ere
			Masked finfoot	Maskenbinsenralle	Grébifoulque d'Asie	Avesol
			Black stilt	Schwarzer Stelzenläufer	Échasse noire	Cigüent
			Blue swallow	Stahlschwalbe	Hirondelle bleue	
			Olrog's gull	Olrogmöwe	Goéland d'Olrog	Gaviota
			Black-billed gull	Maorimöwe	Mouette de Buller	Gaviota
			Relict gull	Gobi-Schwarzkopfmöwe	Mouette relique	Gaviota
			Saunders's gull	Kappenmöwe	Mouette de Saunders	Gaviota
			Antarctic giant petrel	Riesensturmvogel	Pétrel géant	Abanto-
			Eskimo curlew	Eskimo-Brachvogel	Courlis esquimau	Zarapitc
			Slender-billed curlew	Dünnschnabel-Brachvogel	Courlis à bec grêle	Zarapitc
			Spot-billed pelican	Graupelikan	Pélican à bec tacheté	Pelican
			Bermuda petrel	Bermudasturmvogel	Pétrel des Bermudes	Petrel c
			Galápagos petrel	Galapagossturmvogel		
			Red-legged kittiwake	Klippenmöwe	Mouette des brumes	Gaviota
			African penguin	Brillenpinguin	Manchot du Cap	Pinguin
			Humboldt penguin	Humboldtpinguin	Manchot de Humboldt	Pinguin
			Chestnut seedeater		Sporophile cannelle	Capuch
			Narosky's seedeater		Sporophile de Narosky	Capuch
			Chinese crested tern	Bernsteinseeschwalbe	Sterne d'Orient	Charrár
			Craver's murrelet	Craverialk	Guillemot de Craveri	Mérgulc
			Xantus's murrelet	Lummenalk	Guillemot de Xantus	Mérgulc
			Japanese murrelet	Japanalk	Guillemot du Japon	Mérgulc

Datensatz: 1 von 33

Datenblattansicht

Species Data

This form contains the main data for the species. The species report will automatically open in this way. If you have the database installed on your computer, make sure to put the directories 'geodata' and the 'biblio' into the same directory as the database, otherwise links will not work. The 'link'-fields will only be filled out if a link is available.

In order to get back to this form, click here

Double-clicking here will open a website concerning this species. You need internet-access for this feature.

To see the map, click here. For explanations on the ArcExplorer see below.

For a printable report, click here.

Microsoft Access - [FrmH_Species_Report : Formular]

Home **Numenius tenuirostris** Help

Species Data | Populations | Literature | Further links | Range territories | Sites

Numenius tenuirostris Vieillot 817 **Synonym:**

Slender-billed curlew Dünnschnabel-Brachvogel Courlis à bec grêle Zarapito de pico fino

Class: Aves **Family:** Scolopacidae

Regions: Europe, North Africa, North Asia, West & Central Asia

Migration: intercontinental;

Details:

Source:

CMS: App I & II **CITES:** I **Red List 96:** CR **Red List 2000:** CR C2b, D (Criteria)

Agreement: AEWMA, MoU **SPEC (Europe)** 1

WWW: <http://www.state.ak.us/local/akpages/FISH/G...> **CD-Link**

Map: Ntenuiro.shp based on: UNEP-WCMC, 2000

Geodata\plover6.AEE

Formularansicht FLTR NF

Populations

This form lists the populations of the species.

In order to get to this form, click here

For a printable report, click here.

Microsoft Access - [FirmH_Species_Report : Formular]

File Bearbeiten Ansicht Einfügen Format Datensätze Extras Fenster ?

Home **Numenius tenuirostris** Help

Species Data **Populations** Literature Further links Range territories Sites

subspecies: mono Vieillot, 1817

common name: important synonym: Help

CMS-Status: Red List 2000: Criteria: Migration: intercontinental printable report

distribution: Gulf/Med/Morocco SW Siberia and N Kazakhstan; winters in NW Africa, probably Iraq

Formularansicht FLTR NF

Literature

This form gives a list of literature about the species. If you have the CD installed on your computer, make sure that the 'biblio' directory is put into the same directory as the database, otherwise links will not work.

In order to get to this form, click here

If available, this field contains a link to a pdf-file on the CD (you need the Acrobat Reader for this) or to a website on the internet (you need internet access and a browser for this).

For a printable report, click here.

Microsoft Access - [FrmH_Species_Report : Formular]

Home Help

Species Data | Populations | **Literature** | Further links | Range territories | Sites

Shows Literature about the species

Reference	Hyperlink	Page	Theme	Details (press Shift + F2 to enlarge)	printable report
ADF&G Wildlife Conservation. . . (2002): Endangered Species in Alaska. . .	http://www.state.ak.us/local/akpages/FISH_GAME/wildlife/genint/		hotlink		
CMS-AEWA. . . (1995): African-Eurasian Migratory Waterbird Agreement (AEWA). . .	biblio\Agreements\aeawa.htm		agreements		
del Hoyo, J. ; Elliott A. Sargatal J (eds) (1996): Handbook of the birds of the world. Vol. 3: Hoatzin to Auks. . . Barcelona, 821		504	Threat	Critically endangered. Cites l. popu	
Hilton-Taylor, C. : (2000): 2000 IUCN Red List of Threatened Species. . . 61pp					

Formularansicht FLTR NF

Further Links

This form lists further links for the species. GROMS are not responsible for the continued functionality of the links provided.

Double-clicking here will open a website concerning this species. You need internet-access for this feature.

In order to get to this form, click here

For a printable report, click here.

The screenshot shows a Microsoft Access database form titled "Numenius tenuirostris". The form has a menu bar with "Datei", "Bearbeiten", "Ansicht", "Einfügen", "Format", "Datensätze", "Extras", and "Fenster". Below the menu bar is a toolbar with various icons. The form itself has a "Home" button and a "Help" button. The main content area is divided into several sections. The first section is titled "Endangered Species in Alaska" and contains a list of links. The second section is titled "Shows Further Links for the Species" and contains a list of links. The third section is titled "printable report" and contains a link to a printable report. The form is annotated with three callout boxes. The first callout box points to the "Endangered Species in Alaska" section and contains the text: "Double-clicking here will open a website concerning this species. You need internet-access for this feature." The second callout box points to the "Shows Further Links for the Species" section and contains the text: "In order to get to this form, click here". The third callout box points to the "printable report" section and contains the text: "For a printable report, click here."

Microsoft Access - [FrmH_Species_Report : Formular]

Home Help

Numenius tenuirostris

Species Data | Populations | Literature | Further links | Range territories | Sites

Endangered Species in Alaska Shows Further Links for the Species

<http://www.state.ak.us/local/akpages/FISH.GAME/wildlife/geninfo/game/curlew.htm> ADF&G Wildlife Conservation

printable report

Formularansicht FLTR NF

Sites

This form gives a list of sites for the species according to our sources. The list is sorted alphabetically by country.

In order to get to this form, click here.

For a printable report, click here.

Microsoft Access - [FrmH_Species_Report : Formular]

Home *Numenius tenuirostris* Help

Species Data | Populations | Literature | Further links | Range territories | **Sites**

Country	Site	printable report	Type	Source
Albania	Butrintit	- West, + East Longitude 20,05 Latitude 39,75 - South, + North	Nesting Beach general distribution	BirdLife International, 2001
Albania	Butrintit	- West, + East Longitude 20,05 Latitude 39,75 - South, + North	Nesting Beach general distribution	BirdLife International, 2001
Albania	Fushe-Kushe Patok	- West, + East Longitude 19,61667 Latitude 41,73333 - South, + North	Nesting Beach general distribution	BirdLife International, 2001
Algeria	Sebkhet Ez-Zemoul	- West, + East Longitude 6,55 Latitude 35,9 - South, + North	Wetland general distribution	BirdLife International, 2001
Algeria	Gde Sebkhe D'Oraen	- West, + East	Wetland	BirdLife International

Formularansicht FLTR NF

Range Territories

This form shows the number of range territories for the species. To get the list, click on the button. Depending on your computer, this might take a little while.

Click here to get the list of range territories.

In order to get to this form, click here

Microsoft Access - [FrmH_species_Report : Formular]

Home *Numenius tenuirostris* Help

Species Data | Populations | Literature | Further links | **Range territories** | Notes

show Range territories number of current Range territories= 33

Formularansicht FLTR NF

This form lists all range territories for the species, according to our sources (see 'based on'). The four last columns contain the information given in the 2000 IUCN Red List of Threatened Species about the occurrence of the species in that country.

Click here to get back to the species report.

Click here to get back to the opening form.

For a printable report of this list, click here.

Microsoft Access - [FrmU_Species_View_Rangestates]

Home printable report Range territories for *Numenius tenuirostris* Help

Territory	CMS-membership 0=non-member 1=member 2=signatory 4=agreement partner	Sovereign	migratory status	based on:	Red List 2000:			
					range	extinct	intro- duced	reintro- duced
Afghanistan	0	Afghanistan		Hilton-Taylor, 2000	Y	N	N	N
Algeria	0	Algeria		Hilton-Taylor, 2000	Y	N	N	N
Austria	0	Austria		Hilton-Taylor, 2000	Y	N	N	N
Azerbaijan	4	Azerbaijan		Hilton-Taylor, 2000	Y	N	N	N
Bosnia and Herzegovina	0	Bosnia and Herzegovina		Hilton-Taylor, 2000	Y	N	N	N
Bulgaria	1	Bulgaria		Hilton-Taylor, 2000	Y	N	N	N
Croatia	1	Croatia		Hilton-Taylor, 2000	Q	N	N	N
Cyprus	1	Cyprus		Hilton-Taylor, 2000	Y	N	N	N
Egypt	1	Egypt		Hilton-Taylor, 2000	Y	N	N	N
France	1	France		Hilton-Taylor, 2000	Y	N	N	N
Greece	1	Greece		Hilton-Taylor, 2000	Y	N	N	N
Hungary	1	Hungary		Hilton-Taylor, 2000	Y	N	N	N
Iran	4	Iran		Hilton-Taylor, 2000	Q	N	N	N
Iraq	0	Iraq		Hilton-Taylor, 2000	Y	N	N	N
Israel	1	Israel		Hilton-Taylor, 2000	Y	N	N	N
Italy	1	Italy		Hilton-Taylor, 2000	Y	N	N	N
Jordan	1	Jordan		Hilton-Taylor, 2000	Y	N	N	N
Kazakhstan	4	Kazakhstan		Hilton-Taylor, 2000	Y	N	N	N

Datensatz: 14 24 von 36 (Gefiltert)

Formularansicht

2

This is the printable report of the form above.

[Click here to print.](#)

Before printing, make sure
to check the number of
pages!

Microsoft Access - [Ber_Species_Report_range : Bericht]

Datei Bearbeiten Ansicht Extras Fenster ?

100% Schließen

Numenius tenuirostris

Range Territories

0=non-member
1=member
2=signatory
4=agreement
partner

Y=yes, N=no,
Q=in question
N.L.=not listed

Territory	CMS- member- ship	Sovereign	migratory status	based on:	Red List 2000:
					range extindt intro- reintro- duced duced
Afghanistan	0	Afghanistan		Hilton-Taylor, 2000	Y N N N
Algeria	0	Algeria		Hilton-Taylor, 2000	Y N N N
Austria	0	Austria		Hilton-Taylor, 2000	Y N N N
Azerbaijan	4	Azerbaijan		Hilton-Taylor, 2000	Y N N N
Bosnia and Herzegovina	0	Bosnia and Herzegovina		Hilton-Taylor, 2000	Y N N N
Bulgaria	1	Bulgaria		Hilton-Taylor, 2000	Y N N N
Croatia	1	Croatia		Hilton-Taylor, 2000	Q N N N
Cyprus	1	Cyprus		Hilton-Taylor, 2000	Y N N N
Egypt	1	Egypt		Hilton-Taylor, 2000	Y N N N
France	1	France		Hilton-Taylor, 2000	Y N N N
Greece	1	Greece		Hilton-Taylor, 2000	Y N N N
Hungary	1	Hungary		Hilton-Taylor, 2000	Y N N N
Iran	4	Iran		Hilton-Taylor, 2000	Q N N N
Iraq	0	Iraq		Hilton-Taylor, 2000	Y N N N
Israel	1	Israel		Hilton-Taylor, 2000	Y N N N
Italy	1	Italy		Hilton-Taylor, 2000	Y N N N
Jordan	1	Jordan		Hilton-Taylor, 2000	Y N N N

Mittwoch, 2. Oktober 2002

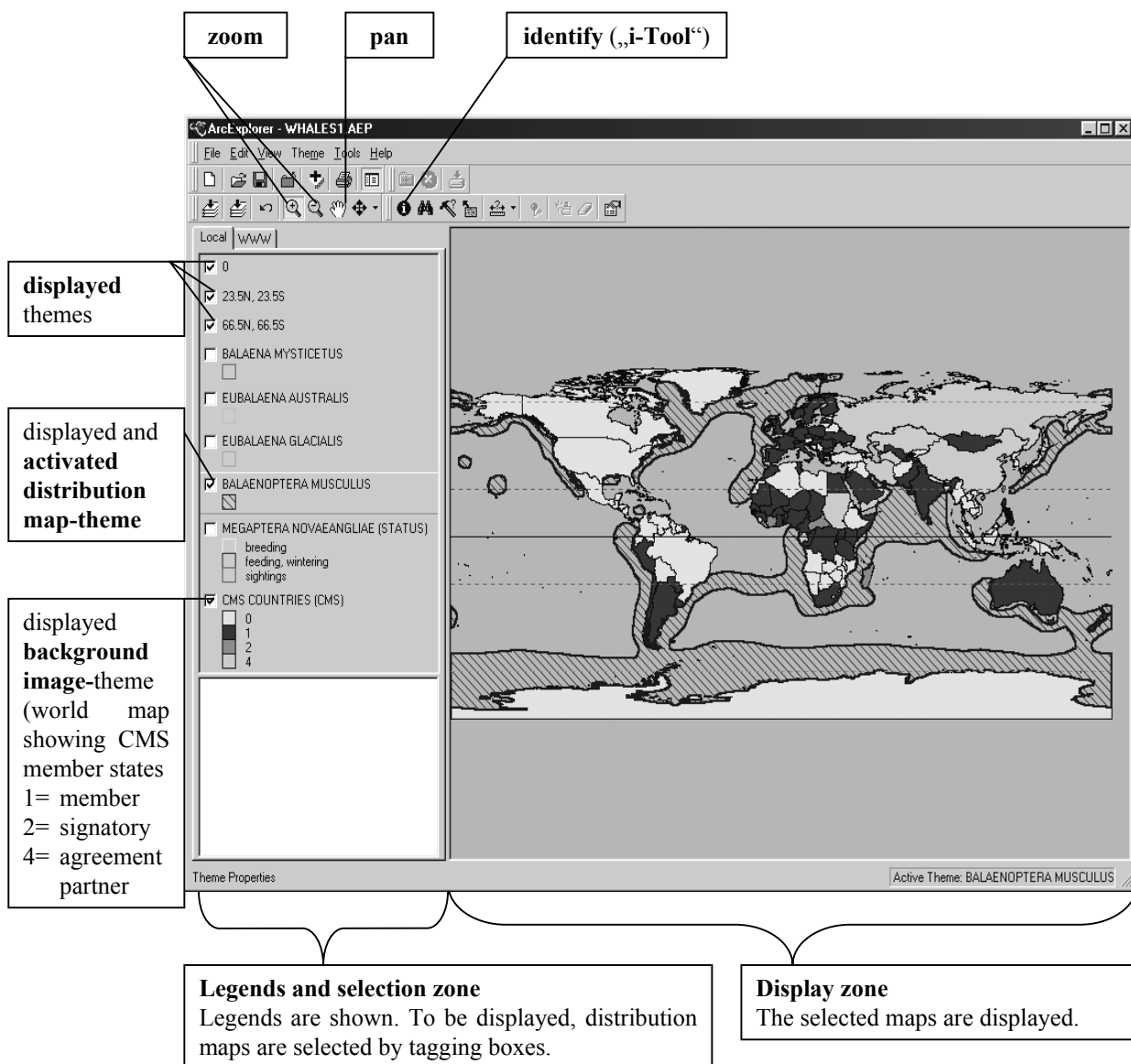
Seite: 1 1


Bereit

Page 1 of 3

ESRI ArcExplorer is a free GIS map viewing software. GIS maps from the GROMS-CD or other sources can be viewed, formatted and printed. Only basic features are explained here, and the user should refer to the ArcExplorer User Guide (AEUG) on the GROMS-CD ([CD-drive]\software\arcexploreruser.pdf), in particular, the **Quick Start Tutorial** (AEUG, p. 5). The website www.esri.com/arcexplorer includes the latest information about ArcExplorer.

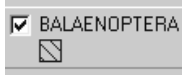
If properly installed, you can open maps directly from the GROMS database by activating the blue map hotlink in the Species reports-form. Several distribution maps („themes“) and the background image (world map with CMS countries) together form a „project“, which is saved in the directory [CD-drive]\geodata (e.g. whales1.aep). The themes are labelled in the legend.




 The themes (e.g. a species) and legends of a map are displayed in the left corner of the Arc Explorer window. To select a theme, click in the little box next to the name of the theme. A tick mark appears in the box, and the distribution map is displayed on the world map. A further click hides the display of the selected theme. You can display additional species maps by ticking the boxes next to their names. The illustrated example shows the distribution of *Balaenoptera musculus*, which is part of the project whales1.aep. The last theme in the legends and selection zone is always the CMS country map.

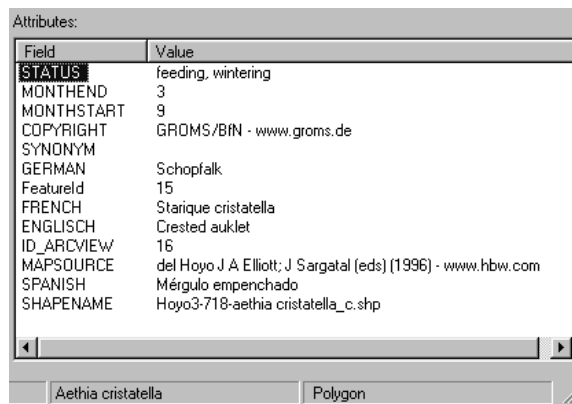
The descending order of the themes in the legend determines how they are displayed in the world map. The first map will cover all maps below. Therefore, the world map appears at the bottom of the legend. You can change the order of the themes by „drag and drop“, clicking on a certain theme and dragging it to the wanted position with pressed mouse button.

Activate a theme:

 For modification or to get more information about a certain theme („identification“), it is necessary to **activate** it first. Click into the grey area beside the selected theme. A frame appears, and the „Active Theme“ name is displayed in the lower right corner of the display zone. By default, the world map is activated. When you draw the mouse over the map, the respective country names are displayed (map tip function). If you activate another theme, the map tip function for the country names is cancelled.

The „i-Tool“ (identification):

 GIS maps contain additional information stored in an attribute table. They can be displayed by the „identification tool“. The map of interest must both be displayed and activated. It is also recommended to enlarge the area of interest with the zoom function before using the i-tool. The „i-tool“ appears after a mouse click on the i-button. Now click onto the map. The attribute table for the respective area appears. If necessary, enlarge the table. For GROMS species maps, it is organised as shown below. Field names are self-explaining; MONTHSTART and MONTHEND indicate the period of presence (in this example: March to September) .




Field	Value
STATUS	feeding, wintering
MONTHEND	3
MONTHSTART	9
COPYRIGHT	GROMS/BIN - www.groms.de
SYNONYM	
GERMAN	Schopfalk
FeatureId	15
FRENCH	Starique cristatella
ENGLISH	Crested auklet
ID_ARCVIEW	16
MAPSOURCE	del Hoyo J A Elliott; J Sargatal (eds) (1996) - www.hbw.com
SPANISH	Mérgulo empenchado
SHAPENAME	Hoyo3-718-aethia cristatella_c.shp

Aethia cristatella Polygon

the i-tool
window

The zoom-function:

 To zoom in a part of the map, click on the lens-icon +, to zoom out, click on the lens-icon -. The mouse pointer changes its appearance to a lens. Click on the favoured part of the map.

Individual designing of maps:

The theme must be activated. Then double-click on the highlighted field. A legend editor („theme properties“) opens. The option „classification options“ allows you e.g. to chose the colour of parts of the map. For detailed instructions, see the AEUG.


Combining different themes:

You can add further themes to your project. All additional GIS data files provided by the GROMS are stored within the directory [CD-drive]\geodata\ as „shapes“ (file-extension .shp). Species shapes can be found in the geodata subdirectory ..\animals. The subdirectory ..\general contains country shapes, geographic grids, rivers, islands and city shapes by ESRI. Additional layers provided by the GROMS are protected wetlands (Ramsar-sites, adapted from www.ramsar.org), Special Protection Areas (SPAs: spareas.shp) in Europe (areas classified under article 4 of Directive 79/409/EEC), and important staging areas for ducks, or oilspills (oilspill.shp).

All these shapes can easily be displayed by drag and drop, pulling the shape file into the map view (see AEUG, p. 18). They appear as a theme on the left, and the map is displayed by tagging the theme box. After individual coloration and zooming, a customised combination of themes can be stored as a project *.aep on your harddisk.

Example:

Inserting a detailed map of islands in the display of the distribution map of *Balaenoptera musculus*:

1. Switch to the Windows Explorer (if not already opened, right click on the Windows Start button, then click left on „Explorer“. Resize its view by clicking in the upper right corner on .
2. Go to the directory [CD-drive]\Geodata\general (you may have to scroll down to find it).
3. Left-click on the file islands.shp, keep the button pressed and move the mouse over the border of the Windows Explorer onto the Display zone of the ArcExplorer („drag“) and release the mouse button („drop“). The theme „islands“ appears in the Legend and selection zone and can be displayed.

