





Manual

Module Environmental Safety





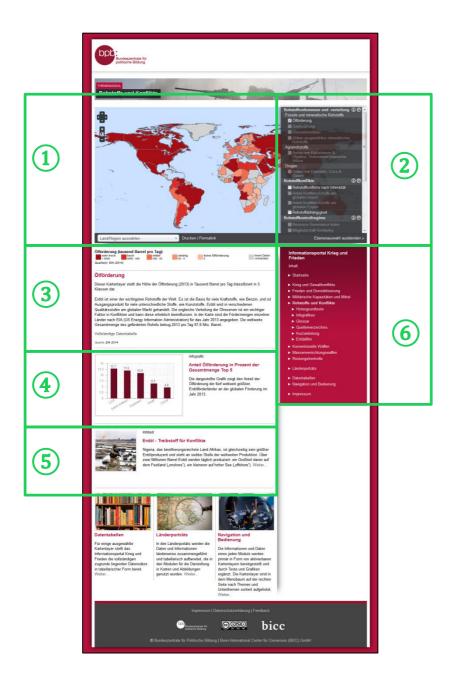


Central elements of the **start page** of the module "natural resources and conflicts" are

- 1) the map window,
- the level selection menu with which maps can be shown or hidden,
- (3) the portal menu,
- a short introduction into the content and the concept below the map window,
- the navigation at the end of the page to further data included in other modules, as well as further operational tools.







When you activate map layers, the page view of the portal changes. The introductory text disappears and other elements become visible below the map window. The **module page** then shows:

- 1 the map window,
- 2 the level selection menu,
- 3 the legend and information about the level selected,
- information graphics if available,
- info texts that correspond with the content of the layer(s) if available,
- 6 besides links to further modules in the portal menu links to the sub-menus of the module:
 - backgrounders
 - complex information graphics
 - glossary
 - bibliography
 - short manual





The module "environmental safety" is divided in two thematic fields:

- 1 Mineral deposits and their distribution
- 2 Resource conflicts
- 3 Resource control regime



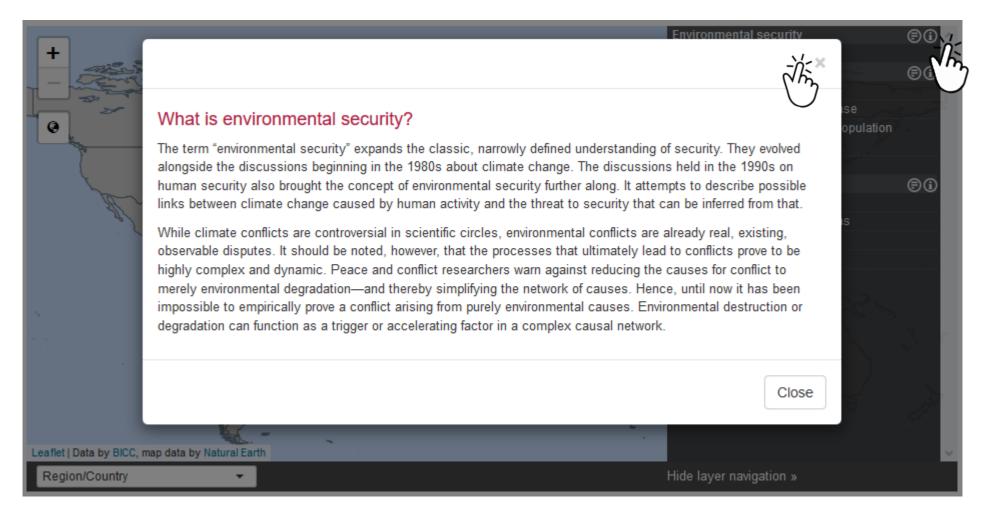
By clicking on the symbol an explanatory backgrounder on the topics appear in a popup window.

By clicking on the name of a sub-topic or a single layer you get more information about it.

One example is given on the next page.





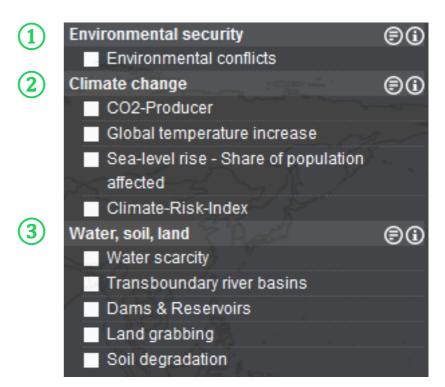


Example definition from () the sub-chapter "Mineral deposits and their distribution".





- 1 The topic of environmental safety informs about current research on environmental conflicts.
- (2) The topic of climate change provides an overview of the main causes and consequences of global warming.
- (3) The topic "water, soil, land" informs about availability as well as consequences of human use of natural resources.







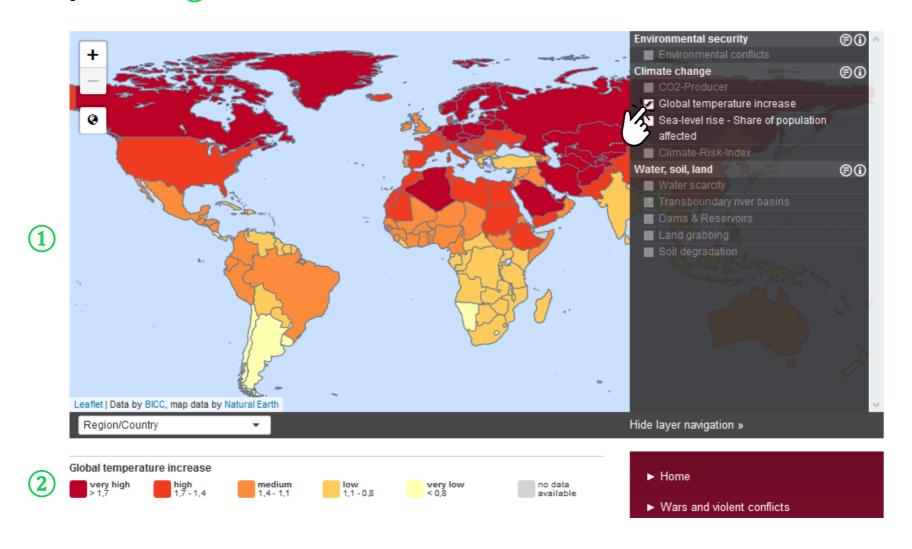
1 After having selected a map layer, another section (Layers from other modules) is shown in some cases below the thematic fields of the module, which permits you to combine additional layers from other modules with that layer.







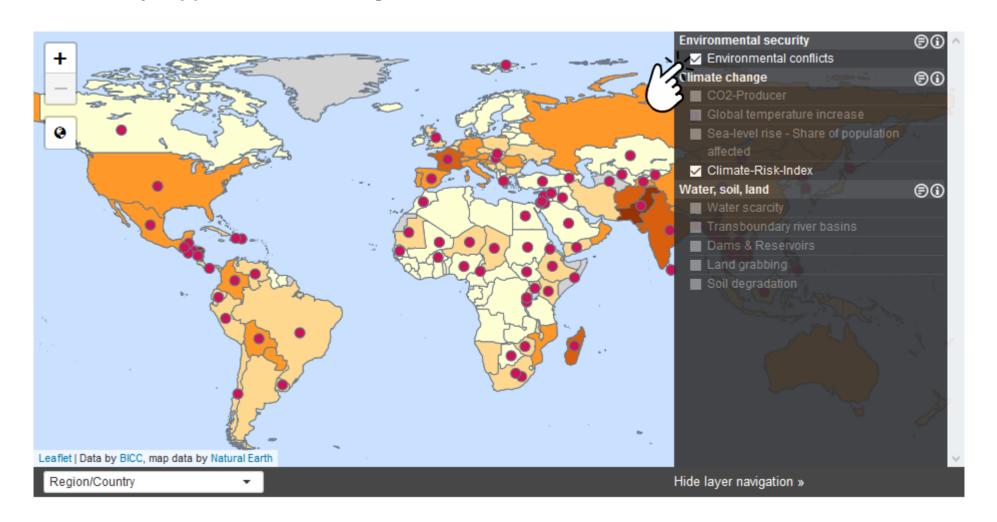
When you click on a selection box in the level selection menu, the information is loaded into the map window 1, and a legend with explanations is shown below the map window 2.





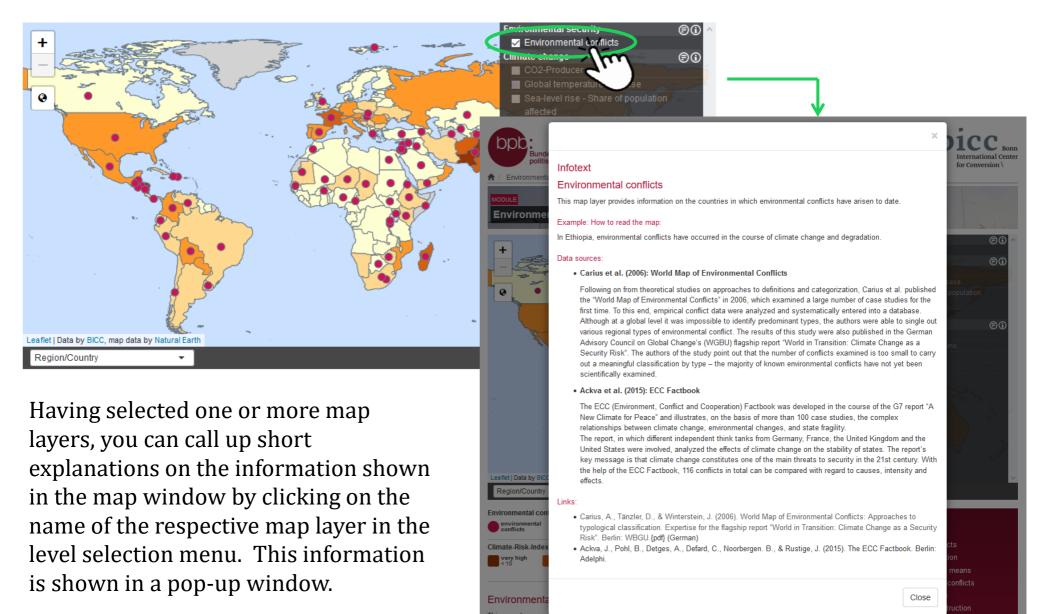


When you have selected a map layer, other layers of the module are greyed out. Only those layers in the level selection menu remain active that can be combined with the already selected layer(s). You can select up to three levels of information at the same time.





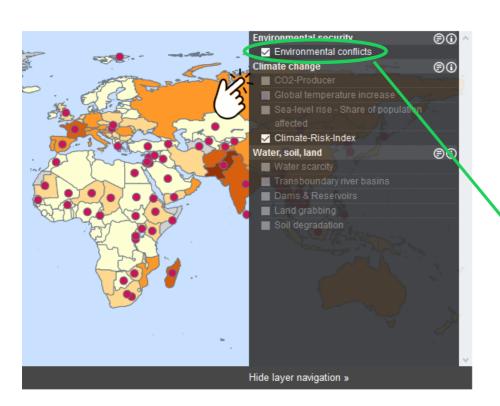








Info texts and information graphics offer further, more in-depth information on the data and information prepared as maps. After having selected one layer in the level selection menu, all info texts linked with individual map layers 1 and corresponding information graphics 2 are shown below the map window and can be opened from there.



Environmental conflicts

This map layer provides information on which countries have experienced environmental conflicts to date.

In the last few decades, the topic of environmental security has been steadily brought to the public eye and, at the latest since the start of the newly inflamed debate on the links between climate change and conflicts, it is back on the global political agenda. Research groups from the United States and Europe investigated numerous conflicts in terms of environmental degradation as a cause of conflict. The data in the map originate for the most part from a study which was produced in the context of the WBGU (German Council on Global Change) flagship report "World in Transition: Climate Change as a Security Risk". In total 73 conflicts were analyzed for this and classified by type regarding the cause of conflict and intensity. Even though no predominant type of environmental conflict stood out globally-speaking, they were able to nonetheless observe the following four regional types of environmental conflicts: Land use and soil degradation conflicts in Central America, soil degradation conflicts in South America in which the loss of biodiversity plays an important role, water and soil degradation conflicts in the Sahel belt, as well as water conflicts in the Middle East. Additionally, data from the online portal ECC's (Environment, Conflict and Cooperation) Factbook were also consulted. This Factbook analyzed the complex relationships between climate change, environmental changes and state fragility for more than 100 conflicts. In relation to the conflicts presented, it should be noted first that environmental degradation and environmental stress, respectively, are merely individual factors in a complex network of causes. Consequently, the socio-economic and political contexts must always be taken into consideration. Second, the intensity of conflicts varies.

Sources: Carius et al. (2006), Ackva et al. (2015)



motext

It is more than likely that that that it is more than likely that that it many places people will have to leave their homes. In a UN Environment Programme Paper, author Essam El-Hinnawi had already warned of this migratory outflow in 1985.

More ...





With the *country/region options menu* below the map, you can directly select countries or regions in the map which will be zoomed in in the map window. For this, you will have to select regions or countries from a drop-down menu 1 or directly key in names of countries or regions in the search field.

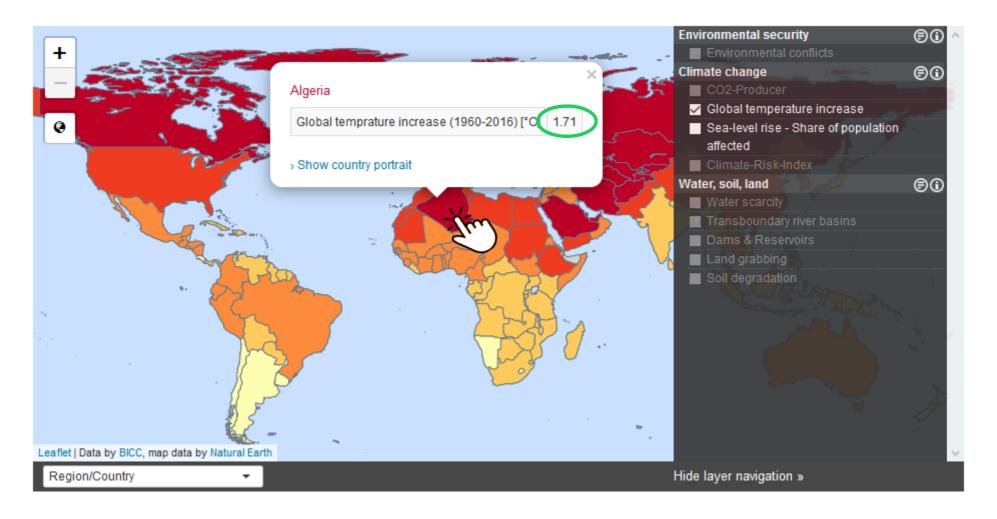
You can show/hide the menu to select topic-related maps by clicking the control element "level selection." (2)







You can obtain more detailed data on selected map layers on individual countries when clicking on a country of your choice, for instance, the Iran . The Iran produced 4.2 per cent of the global gas production in 2013.

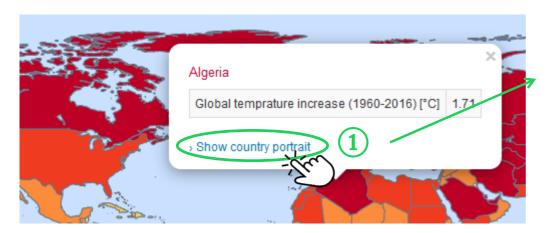


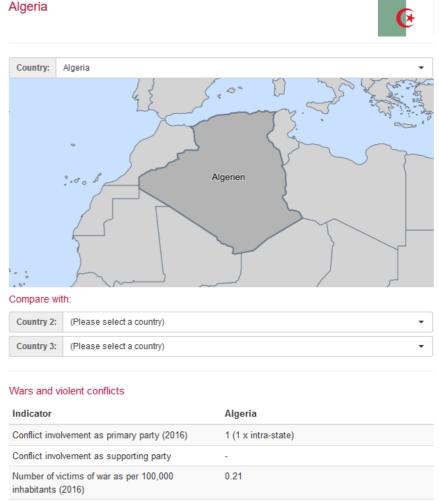




All country data made available via the map layers are set out in tabular form in the country portraits. The **short manual for the entire portal** describes in detail how you can access them from the portal menu. You can access the manual from each module via the sub-menu *short manual*.

You can also call up the country portraits within a module. Via the onclick element of the interactive map—it opens after having clicked on a country—simply click "show country portrait". 1



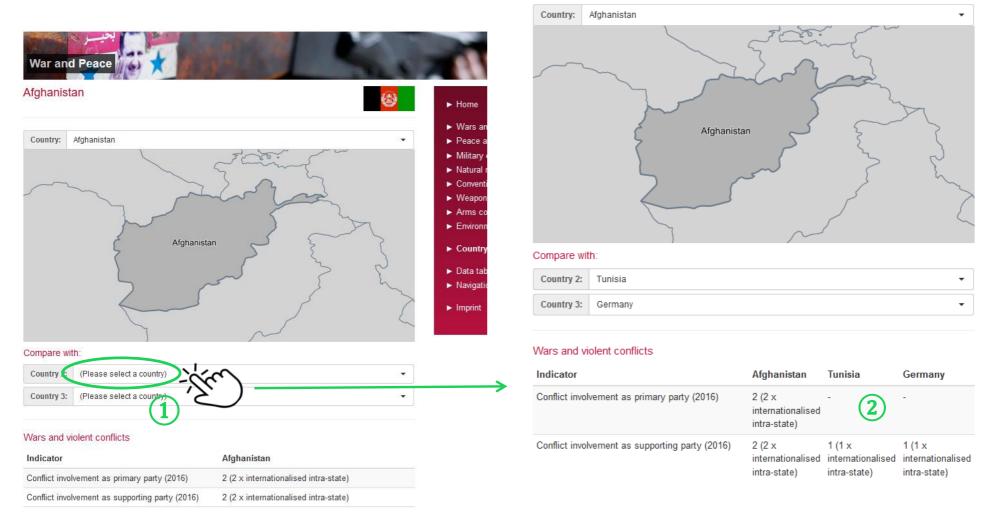






You can compare selected countries with the function **country comparison**. 1

In the comparison menu, you can select up to two further countries that you want to compare. The results are shown below the comparison menu as a table. (2)



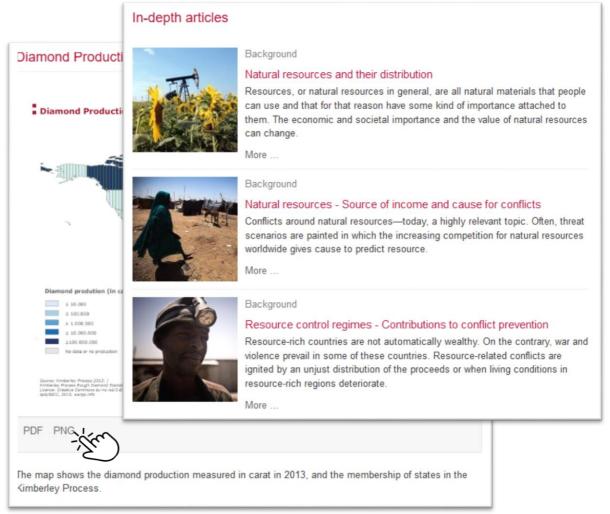






With one click, you can open, print or save the information graphics as a pdf (A4 format).

Besides links to the short manuals and the explanatory film, the menu of the module 1 offers redirections to overview pages for backgrounders, info texts and information graphics.







► Home

Wars and violent conflicts
Peace and demobilisation

► Military capacities and means

▶ Natural resources and conflicts

- In-depth articles
- ► Infographics
- Glossary
- List of sources
- Conventional Weapons
- ▶ Weapons of mass destruction
- Arms control
- Environmental safety
- Country portraits
- Data tables
- Navigation and operation
- ▶ Imprint

The glossary explains important terms occurring in the module. You can find explanations and links to the sources used for the modules in the bibliography. You can access both overview pages also via the module menu. 1

Glossary

List of sources

BICC - RCM

BICC is an independent, no peace and conflict research

From 1996 to 2006, BICC c variable Resource Dependent natural resources (oil, gas, rubber) of the total export pr

Links:

BICC - Resource Col

bmwfw

In the annual publication "W countries is pooled and stat production of the 63 mineral capita income, economic bl according to producing cour

Links:

bmwfw - World Minin

The Arctic

The Arctic is a polar region located at the northernmost part of the earth. It is mostly covered with ice. Its area is defined, depending on which definition is used, either as north of the Arctic circle (66°30'N) or the 10°C-isotherm, an imaginary line showing where the average temperature for July is below 10 °C (50 °F). The Arctic region covers the northern parts of three continents: North America, Asia, and Europe. The Arctic region is increasingly in the focus of geopolitical and geoeconomic interests as new shipping routes have been and will be accessed due to the progressive melting of the ice. Some of the territorial claims resulting from this are the subject of current inter-state disputes, as disputing countries suspect larger, economically lucrative deposits of oil, gas, minerals and rare earths.

Causes of conflict and conflict issue

Conflicts and wars escalate because different parties disagree with each other. A conflict issue is often understood as what the conflict appears to be about and what is communicated by the parties to the conflict. A conflict issue can be material, such as natural resources, or immaterial, such as an ideology. There are many and complex causes of conflicts. Causes of conflict are often events that lead to the outbreak of violence in conflicts. They often influence each other and have a temporal component. In its conflict matrix, BICC has defined five different categories of causes of a conflict. For more information, see the backgrounder on "Causes of violent conflicts."

In the following, we will compare the conflict issues as defined by the Heidelberg Institute for International Conflict Research (HIIK) and the types of war as defined by the Working Group for Research on the Causes of War (AKUF).

HIIK: Autonomy, secession, territory, resources, subnational predominance. The conflict issue subnational predominance characterizes conflicts in which an intra-state group attempts to attain control over a territory or a population without formulating or pursuing the goal of exercising power over the entire state (national power) or that of establishing a new state (secession). Decolonization, system/ideology, national power, international power, other.

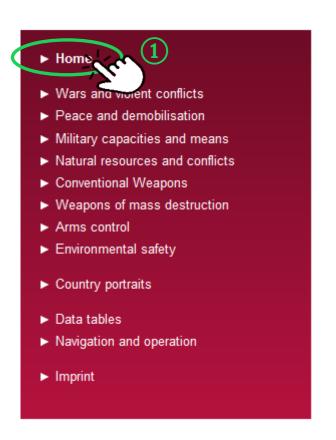
AKUF: Anti-regime wars, wars for autonomy or wars of secession, interstate wars, wars of decolonization, other wars.



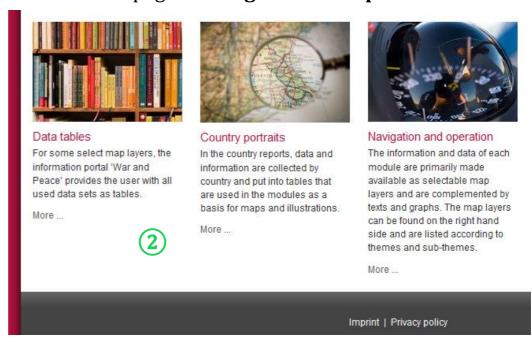


The **portal menu** 1 and the **page end menu** 2 offer easy access to important pages and menus of the portal from all pages of the Information Portal.

The short manual to the entire portal, which you can access from each module via the sub-menu *short manual* and via the menu *navigation and operation* offers a basic introduction to the structure and functioning of the Information Portal.



At the end of each page of the Information Portal, you will be able to access **data tables**, **country portraits** and the overview page of **navigation and operation**.

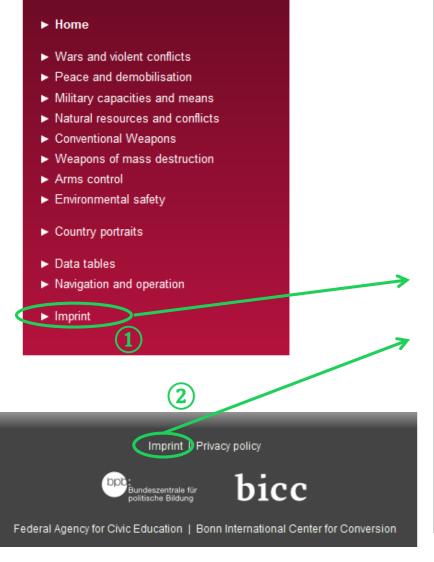






All information on the publishers, editors, contacts and topics regarding data protection is provided in the **imprint**.

You can access the imprint via the link in the portal menu 1 or or via page end navigation. 2



Imprint

Service provider according to § 5 of the German Teleservices Act (TMG)

© Bundeszentrale für politische Bildung

Adenauerallee 86

53113 Bonn

Person responsible according to § 55 of the Interstate Broadcasting Agreement (RStV)

Thorsten Schilling

Head of the Multimedia Department

The internet portal war and peace does not reflect the views of the Federal Agency for Civic Education.

Editor-in-Chief

Thorsten Schilling

Editorial Staff bpb

Matthias Jung

warpp.info (Information portal on war and peace) is a service jointly provided by the Federal Agency for Civic Education and Bonn International Center for Conversion.

The information portal is—as regards specialized content, functionality and technology—developed, compiled and implemented by the Bonn International Center for Conversion (BICC).

Further information: www.bicc.de

Overall project management at BICC:

Lars Wirkus

Authors: Michael Ashkenazi, Hannes Blitza, Marc von Boemcken, Claudia Breitung, Lena Guesnet, Elke