Summery

- Login via Browser
- Kind of data input
  - Yearly availability data
  - Monthly availability data
  - Unavailability incidents
- Online-Evaluation
- Menu bar

Index of contents
Step 1

1.1: Enter Internet address: https://bkw.vgb.org/kissy-p

1.2: Enter username

1.3: Enter password

Attention: case sensitive!

1.4: Click Login
Step 2

2.1: click VGB and continue with Step 3
3.1: click “+” for yearly availability data further with Step 4.1

3.2: click “+” for monthly availability data further with Step 5.1

3.3: click “+” for unavailability incidents further with Step 6.1
Step 4.1

Select Power plant/unit:

- VGB
  - yearly availability data
  - VGB-standort
    - VGB CCPF Unit
    - VGB Coal Unit
    - VGB Gas Turbine Unit
    - VGB Lignite Unit
  - monthly availability data
  - unavailability incidents

4.1.1: click “+”

4.1.2: click “+” power plant

4.1.3: click unit
### Step 4.2

#### 4.2.1: Display the selected unit and claims year

#### 4.2.2: Form “General”

#### 4.2.3: Enter data in fields

#### 4.2.4: Click for additional information / help

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**Yearly availability data**

*Enter data in the form “General”*
### Yearly availability data

#### Enter data in the form “Energy utilization”

<table>
<thead>
<tr>
<th>Formula</th>
<th>Unit</th>
<th>Input</th>
<th>Help</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>( W_N = P_N \times t_N )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( W_o )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( m_a = W_o / W_N )</td>
<td>%</td>
<td>59.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( w_{N_v u} = w_{N_v u d} + w_{N_v u n} )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( m_{N_v u} )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( w_{N_v u} )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( w_{N_v s} )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( w_{N_v u l} )</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( k_w = (W_N - W_{N_v}) / W_N )</td>
<td>%</td>
<td>85.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Available unproductive energy (external influence energy)</td>
<td>W_{N_v}</td>
<td>GWh</td>
<td>☑️</td>
<td></td>
</tr>
</tbody>
</table>
### Step 4.4

**4.4.1: Form “Time utilization”**

**4.4.2: Enter data in Fields**

<table>
<thead>
<tr>
<th>Formula</th>
<th>Unit</th>
<th>Input</th>
<th>Help</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>( t_B )</td>
<td>h</td>
<td>2.363.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( P_0 )</td>
<td></td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( UAGS7 = P_0 \times 7000 / t_B )</td>
<td>%</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( n_t = t_B / t_N )</td>
<td>%</td>
<td>26.97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( t_{nv, p} )</td>
<td>h</td>
<td>34.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( t_{nv, u} )</td>
<td>h</td>
<td>107.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( t_{nv, p} + t_{nv, u} )</td>
<td>h</td>
<td>201.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( (n_t - t_{nv}) / t_N )</td>
<td>%</td>
<td>97.70</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Yearly availability data**

**Enter data in the form “Time utilization”**

[ Copy from previous year ]  [ Print ]  [ Check input ]  [ Save to database ]
Step 4.5

4.5.1: Form “Operational parameters”

4.5.2: Enter data in fields

Click for additional information / help / trouble shooting

4.5.3: Click for check input

4.5.4: With error messages:
Retry the steps 4.2.2 until 4.5.3!

4.5.5: Click to save the checked data
### Step 5.1

#### Monthly availability data

**Select power plant and unit**

<table>
<thead>
<tr>
<th>Select Power plant/unit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGB</td>
</tr>
<tr>
<td>yearly availability data</td>
</tr>
<tr>
<td>monthly availability data</td>
</tr>
<tr>
<td>VGB-Standort</td>
</tr>
<tr>
<td>VGB-NPP</td>
</tr>
<tr>
<td>unavailability incidents</td>
</tr>
</tbody>
</table>

- **5.1.1:** click “+”
- **5.1.2:** click “+” power plant
- **5.1.3:** click unit
Step 5.2

5.2.1: Display the selected unit and claims month

5.2.2: Form “General”

5.2.3: Enter data in fields

Monthly availability data
Enter data in the form “General”
### Step 5.3

**5.3.1: Form “Energy utilization”**

#### Monthly Operational- and Availability Data

<table>
<thead>
<tr>
<th>General</th>
<th>Energy utilization, unit capability factor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Time utilization, time availability</td>
</tr>
<tr>
<td></td>
<td>Operational parameters</td>
</tr>
<tr>
<td></td>
<td>Further indicators</td>
</tr>
</tbody>
</table>

#### Input

<table>
<thead>
<tr>
<th>Formula</th>
<th>Unit</th>
<th>Input</th>
<th>Help</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>$W_{net}$</td>
<td>MWh</td>
<td>monthly</td>
<td>calculated</td>
<td></td>
</tr>
<tr>
<td>$W_{net}$</td>
<td>MWh</td>
<td>cumulative since the beginning of the year</td>
<td>calculated</td>
<td></td>
</tr>
</tbody>
</table>

#### Calculated fields

- Gross energy generated
- Energy utilization
- Unavailable energy
- Energy availability
- Available unproductive energy (external influence energy)

#### Instructions

**5.3.2: select data based on**

**5.3.3: Enter data in fields**

Click for additional information / help

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**Monthly availability data**

Enter data in the form “Energy utilization”
### Step 5.4

#### 5.4.1: Form “Time utilization”

<table>
<thead>
<tr>
<th>Field</th>
<th>Formula</th>
<th>Unit</th>
<th>Input</th>
<th>cumulated since the beginning of the year</th>
<th>Help</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>16m</td>
<td></td>
<td></td>
<td></td>
<td>Will calculated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17q</td>
<td></td>
<td></td>
<td></td>
<td>Will calculated.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 5.4.2: Enter data in fields

**Unavailability**

- **18o** -- planned
  - \( t_{nv_p} \) h
  - Input
  - Will calculated.

- **19p** -- unplanned
  - \( t_{nv_u} \) h
  - Input
  - Will calculated.

- **20n** -- total
  - \( t_{nv} = t_{nv_p} + t_{nv_u} \) h
  - Input
  - Will calculated.

**Calculated fields**

- **21**
  - \( \% \) Will calculated.

[Calculated fields]

[Additional information / help / trouble shooting]

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**Monthly availability data**

*Enter data in the form “Time utilization”*
Step 5.5

5.5.1: Form “Operational parameters”

5.5.2: Enter remarks

5.5.3: Checkmark all correct remarks

5.5.4: Click for check input

5.5.5: With error messages: Retry the steps 5.2.2 until 5.5.4!

5.5.6: Click to save the checked data

Monthly availability data
Enter data in the form “Operational parameters”
Step 6.1

Select Power plant/unit:

- VGB
- yearly availability data
- monthly availability data
- unavailability incidents
  - VGB-Standort
    - VGB CCPP Unit
    - VGB Coal Unit
    - VGB Gas Turbine Unit
    - VGB Lignite Unit
    - VGB-NPP

6.1.1: click “+”

6.1.2: click “+” power plant

6.1.3: click unit
Step 6.2

6.2: click new incident

Unavailability incidents
New incident
6.3.1: Display and selection of unit and event

6.3.2: Enter data in fields

6.3.3: Select from pull-down field

6.3.4: Click for check input

6.3.5: With error messages: Retry the steps 6.3.2 until 6.3.4!

6.3.6: Click to save the checked data

6.3.7: Click for further events

Unavailability incidents
Enter data in the form
Click to start an Online-Evaluation
Choose designated report

Next step
Choose provides collection

Next step
## Step 7.4

### Choose designated indicator

Please choose your designated indicator for the evaluation.

Current selection: Time Availability

<table>
<thead>
<tr>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Unavailability - unplanned postponable</td>
</tr>
<tr>
<td>Energy Unavailability - unplanned not postponable</td>
</tr>
<tr>
<td>Energy Unavailability - unplanned</td>
</tr>
<tr>
<td>Energy Unavailability - planned</td>
</tr>
<tr>
<td>Energy Unavailability - available unproducible capacity (external influences)</td>
</tr>
<tr>
<td>Energy Unavailability - not dispatchable availability</td>
</tr>
<tr>
<td>Time Availability</td>
</tr>
<tr>
<td>Time Availability during peak times</td>
</tr>
<tr>
<td>Dispatching Failure Rate - unplanned</td>
</tr>
<tr>
<td>Dispatching Failure Rate - unplanned not postponable</td>
</tr>
<tr>
<td>Energy Failure Rate - unplanned</td>
</tr>
<tr>
<td>Energy Failure Rate - unplanned not postponable</td>
</tr>
<tr>
<td>Dispatch Reliability - unplanned</td>
</tr>
<tr>
<td>Dispatch Reliability - unplanned not postponable</td>
</tr>
<tr>
<td>Energy Reliability - unplanned</td>
</tr>
</tbody>
</table>

Choose designated indicator

Next step

Previous  Next
Choose additional parameters

**Time - year**
- From: 2010
- To:

**Country** - No selection will result in using all countries
- AT Austria
- CH Switzerland
- DK Denmark
- IE Ireland
- IT Italy
- CZ Czech Republic
- DE Germany
- ES Spain
- FR France
- FI Finland
- NL Netherlands
- SE Sweden

**Capacity range**
- Min: [ ] MW
- Max: [ ] MW

**Causers**
Choose own unit

Next step
Please enter your email address to receive the result of the evaluation. Your default email address is maintained in KISSY.

Email: sven.goeering@vgb.org

Enter your email address

Finish
Menu bar “login”

Click: login page
Attention: please save your data before you click!
(see steps 4.5.5, 5.5.6 and 6.3.6)
**Menu bar “availability form”**

Display the availability form
*Attention: select first a unit with step 4.1!*

- Click Graph for data sheet
  *Attention: select first the data sheet!*

- Click display data sheet for selected unit

- Click display of the power plants and units
Menu bar “unavailability form”

Display the availability form
Attention: select first a unit with step 6.1!

- Display all unavailability incidents
- Click display data sheet for selected unit
Menu “Import”

1. Please select a csv-file (file extension ".csv") to import your data.

2. Please enter your **e-mail address** to get the results or error reports.

3. Import options: Please try the "test" import first to get your data verified. If there are no errors reported, you can use "import" to put your
   - Test import (faster, no database write access)
   - Import

4. Submit ...

   **click import a csv-file**
   
   **Attention: filestructur of the csv-file must be the same as in the templates).**
Menu “Links”

click Links
Display help document or additional information!

Change my password

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current password</td>
<td></td>
</tr>
<tr>
<td>New password</td>
<td></td>
</tr>
<tr>
<td>New password (confirmation)</td>
<td></td>
</tr>
</tbody>
</table>

Change password
Menu “Logout”

Click Logout

Attention: please save your data before you click!
(see steps 4.5.5, 5.5.6 and 6.3.6)
Step 6

Successful logout from Mesap system. Good bye!

click: Logout

Attention: please save your data before you click!
(see step 3.5.5, 4.5.6 and 5.2.6)
Attention: normal notice of departure is necessary
for correct data base function!!