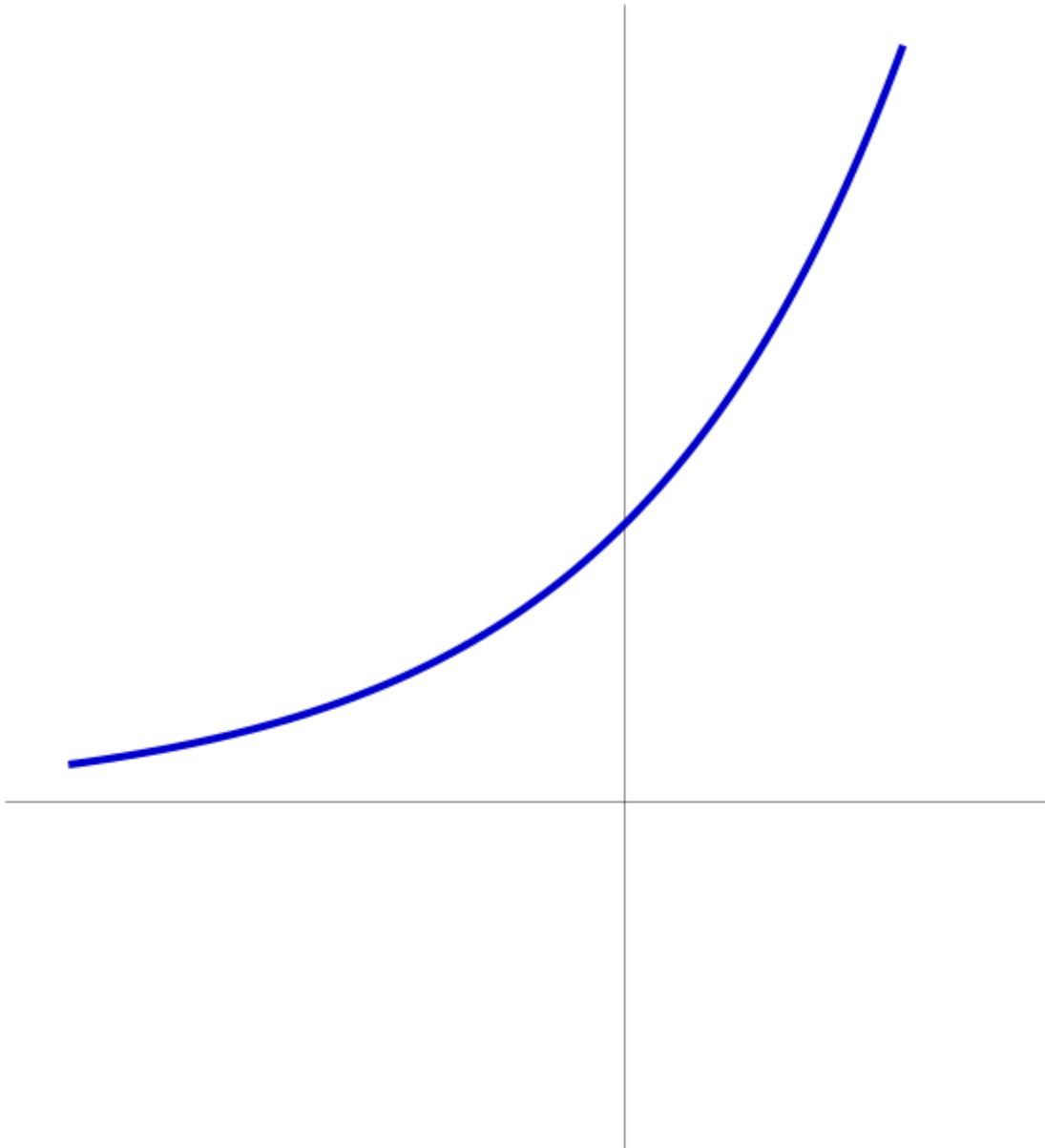


What can I choose in the calculator?

The calculator lets you choose the yearly Economic growth (in %) in Switzerland. The percentage is kept constant throughout the selected time period (out to 2035 or 2050).

Economic growth



Contents

- Impact
- Global context
- Definition
- Drivers
- Value ranges
- References

IMPACT - What are the impacts of Economic growth?

In Switzerland, increasing Economic growth will have the following impacts:

Energy system

- ☹️ Increase final energy demand.
- ☹️ Increase total electricity consumption.
- ☹️ Likely to reduce the share of renewable energy sources in the energy mix.
- ☹️ Likely to raise pressure on the grid by increasing (peak) electricity demand.
- ☹️ Likely to reduce energy independence and energy security.

Environment & Climate

- ☹️ Very likely to increase global CO2 emissions.
- ☹️ Increase emissions of harmful pollutants, especially in urban areas.
- ☹️ Increase noise pollution.
- ☹️ Increase overall deposited waste.

Society & Economy

- ☹️ Likely to increase the cost of the energy transition in absolute sense but likely to have limited impact on the cost of the energy transition in relative sense.
- ☹️ Increase Confederation income from the tax on mineral oil under the current taxation system.

GLOBAL CONTEXT - Swiss Economic growth in a global context

Switzerland's economy grew from 244 billion USD to 632 billion USD between 1990 and 2013 (an average growth rate of 4.22% per year).[1]

According to the World Bank, the global economy grew from 22,246 billion USD in 1990 to 72,490 billion USD in 2012 (an average growth rate of 5.52% per year).[2]

Between 2008 and 2010 both the Swiss and the Global economic growth rates stagnated with an average economic growth of 0.42% and 1.7% per year respectively.[2]

DEFINITION / DRIVERS

DEFINITION - What is Economic growth?

Economic growth is the rate with which the economy (of a country or region), expressed by its Gross Domestic Product (GDP), grows from one year to the next,. GDP is the monetary value of all the manufactured goods and services produced within a country's borders. For example, a country having a GDP of €100 billion in a given year will reach , with a growth rate of 2%/yr, a GDP of €102 billion in the next year.

DRIVERS - What are the key drivers of Economic growth?

- Productivity of capital and labour
- Growth of labour force
- Private sector investment
- Public sector spending

```
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#wrapper #content.padded, #wrapper #content .padded { padding: 0 0px; } #wrapper #content
.blocWrapper { margin: 0 5px 0 5px; } #wrapper #content .blocGroupWrapper { margin: 0; width:
915px; float: left; } #wrapper #content .bloc { float: left; margin: 0px 10px 10px 0px; } #wrapper
#content .bloc header { padding: 1px 5px; } #wrapper #content .bloc header.lined { border-bottom:
1px solid #c2c2c2; } #wrapper #content .bloc h2 { font-size: 20px; font-family: 'ProximaNovaCond-
Light'; color: #535559; font-weight: normal; text-transform: uppercase; margin: 0; } #wrapper
#content .bloc.single { width: 295px; } #wrapper #content .bloc.double { width: 610px; } #wrapper
#content .bloc.triple { width: 915px; } #wrapper #content .bloc.bgWhite { background: #fff; }
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#content .bloc header.bgOrange .blocLink { border-left: 1px solid #fe984d; color: #fff; } #wrapper
#content .bloc .blocLink { float: right; line-height: 17px; border-left: 1px solid #c2c2c2; padding-left:
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#content .bloc .newsBloc h3 { font-size: 14px; margin-bottom: 10px; } #wrapper #content .bloc
.newsBloc p { font-size: 13px; line-height: 17px; margin-bottom: 10px; } #wrapper #content .bloc a {
color: #00a9e0; text-decoration: none; font-size: 14px; } #wrapper #content .half { width: 50%; float:
left; } #wrapper #content .larged { width: 33%; float: left; } #wrapper #content .questionAnswer h4
{ color: #fe6b00; margin-bottom: 10px; font-size: 14px; line-height: 17px; } #wrapper #content
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font-size: 13px; line-height: 17px; margin-bottom: 10px; } #wrapper #content .questionAnswer p img
{ float: left; margin-right: 4px; } #wrapper #content .questionAnswer .bg { float: left; color: #fff;
border-radius: 8px; width: 15px; height: 15px; text-align: center; font-size: 11px; font-weight: normal;
} #wrapper #content .questionAnswer .bg.question { background: #fe6b00; } #wrapper #content
.questionAnswer .bg.answer { background: #535559; } #wrapper #content .intro { margin-bottom:
60px; } #wrapper #content .intro .img { float: left; width: 460px; } #wrapper #content .intro .txt {
float: left; width: 480px; } #wrapper #content .intro .txt h1 { font-family: 'ProximaNovaCond-
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Semibold'; font-size: 44px; color: #1d1d1b; text-transform: uppercase; margin-bottom: 6px; }
#wrapper #content .intro .txt h2 { font-family: 'ProximaNovaCond-Light'; font-size: 32px; color:
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#1d1d1b; font-size: 16px; line-height: 20px; margin-bottom: 20px; } #wrapper #content
#newsWrapper { background: #fff; } #wrapper #content #newsWrapper .news { padding: 20px; }
#wrapper #content #newsWrapper .news .img { float: left; /*width: 280px;*/ width: 220px; }
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font-family: 'ProximaNovaCond-Regular'; font-size: 28px; margin-bottom: 15px; } #wrapper #content
#newsWrapper .news p { font-size: 16px; margin-bottom: 20px; } #wrapper #content
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center; font-family: 'ProximaNovaCond-Semibold'; font-size: 26px; text-transform: uppercase; color:
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Semibold'; font-size: 26px; text-transform: uppercase; color: #1d1d1b; text-align: left; } #wrapper
#content #faqWrapper .blocWrapper .bloc h4 { font-family: 'ProximaNovaCond-Light'; font-size: 19px;
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.blocWrapper .bloc .bluecornerlink { position: absolute; bottom: 20px; } #wrapper #content
#faqWrapper .blocWrapper .bloc .bluecornerlink a { color: #fff; } #wrapper #content
#faqWrapper.detail { margin-bottom: 40px; } #wrapper #content #faqWrapper.detail li {
background: #fff; padding-top: 20px; border-bottom: 1px solid #c2c2c2; cursor: pointer; } #wrapper
#content #faqWrapper.detail li .number { float: left; width: 30px; height: 30px; margin: 0 35px 15px
15px; text-align: center; background: #fe6b00; border-radius: 15px; line-height: 30px; color: #fff; }
#wrapper #content #faqWrapper.detail li .question { float: left; font-family: 'ProximaNovaCond-
Regular'; font-size: 28px; line-height: 30px; width: 840px; padding-bottom: 20px; padding-right: 20px;
} #wrapper #content #faqWrapper.detail li .question p { font-size: 28px; line-height: 30px; }
#wrapper #content #faqWrapper.detail li .answer { display: none; background: #fff; padding: 20px
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.answer p { margin-bottom: 20px; } #wrapper #content #faqWrapper.detail li.active { background:
#fe6b00; } #wrapper #content #faqWrapper.detail li.active .number { background: #fff; color:
#fe6b00; } #wrapper #content #faqWrapper.detail li.active .question { color: #fff; } #wrapper
#content #faqWrapper.detail li.noborder { border-bottom: none; } #wrapper #content
#lexiqueWrapper .ulWrapper { text-align: center; } #wrapper #content #lexiqueWrapper .ulWrapper
ul li { display: inline-block; *display: inline; zoom: 1; border-right: 1px solid #c2c2c2; padding: 0 11px;
} #wrapper #content #lexiqueWrapper .ulWrapper ul li.noborder { border: none; } #wrapper
#content #lexiqueWrapper .ulWrapper ul li a { color: #535559; font-family: 'ProximaNovaCond-Light';
font-size: 18px; } #wrapper #content #lexiqueWrapper .ulWrapper ul li a.active { color: #000; }
#wrapper #content #lexiqueWrapper #listWrapper { margin: 20px 0; } #wrapper #content
#lexiqueWrapper #listWrapper ul li { background: #fff; padding: 20px; border-bottom: 1px solid
#c2c2c2; } #wrapper #content #lexiqueWrapper #listWrapper ul li h4 { font-family:
'ProximaNovaCond-Regular'; font-size: 24px; margin-bottom: 6px; } #wrapper #content
#lexiqueWrapper #listWrapper ul li p { margin-bottom: 20px; } #wrapper #content #map { width:
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.redactor_box h1, #content.text h3, .redactor_box h3 { font-family: 'ProximaNovaCond-Light'; color:
#535559; font-size: 32px; text-transform: uppercase; } #content.text h3, .redactor_box h3 { font-
size: 20px; } #content.text h2, .redactor_box h2, #content.text h4, .redactor_box h4 { font-family:
```

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'ProximaNovaCond-Semibold'; font-size: 44px; color: #000; text-transform: uppercase; margin-bottom: 10px; } #content.text h4, .redactor_box h4 { font-size: 26px; } #content.text p, .redactor_box p { color: #333333; margin-bottom: 20px; } #content.text #wysiwyg, .redactor_box #wysiwyg { margin-bottom: 80px; } #content.text ul li, .redactor_box ul li { margin-bottom: 10px; line-height: 20px; display: block; padding-left: 20px; background: url(lib/tpl/ses/images/bg_bullet-text.png) top left no-repeat; background-position: 0 8px; } #content.text table, .redactor_box table { margin-top: 50px; } #content.text table td, .redactor_box table td { vertical-align: top; } #content.text table td p, .redactor_box table td p, #content.text table td li, .redactor_box table td li { font-family: Arial, Helvetica, Sans Serif; font-size: 16px; color: #535559; } #content.text table td.w50, .redactor_box table td.w50 { width: 460px; padding-right: 20px; } #content.text table td.w50.right, .redactor_box table td.w50.right { width: 460px; padding-right: 0; } hr { background: none; border: none; border-top: 1px solid #c2c2c2; } hr.marged { margin: 40px 0; } .pagination { margin: 20px auto 40px auto; height: 20px; } .pagination ul li { float: left; padding: 0 10px; border-left: 1px solid #c2c2c2; } .pagination ul li a { font-family: 'ProximaNovaCond-Light'; font-size: 20px; line-height: 23px; color: #797a7f; } .pagination ul li a.active { color: #000; } .pagination ul li.prev, .pagination ul li.next { width: 11px; height: 20px; } .pagination ul li.prev, .pagination ul li.nobl, .pagination ul li.next { border-left: 0; } .paddedContent { padding: 20px; } #sponsorsWrapper { margin: 40px 0 30px 20px; } #sponsorsWrapper h2 { font-family: 'ProximaNovaCond-Regular'; font-size: 14px; text-transform: uppercase; } #sponsorsWrapper .sponsor { float: left; margin-right: 60px; } .dokuwiki div.page { overflow: auto; }
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VALUE RANGE - WHAT RANGE OF VALUES CAN I CHOOSE?

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```

The economic growth is represented by the GDP increase rate per year. In 2011 the Swiss GDP was 581.1 billion CHF (2011 prices). PROGNOSES 2012 ^[3] estimates that the GDP in 2050 will be 795.1 billion

CHF (2011 prices), which represents a GDP increase rate per year of 0.8%, assuming a constant GDP growth rate over the years.

In order to set the value range for the GDP increase, it has been assumed that the GDP in 2050 could vary +/- 20% respect to PROGNOS forecast (795.1 billion CHF). Therefore the obtained range is 0.23 – 1.28 %.

REFERENCES

```
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.bloc h2 { font-size: 20px; font-family: 'ProximaNovaCond-Light'; color: #535559; font-weight: normal;
text-transform: uppercase; margin: 0; } #wrapper #content .bloc.bgWhite { background: #fff; }
#wrapper #content .intro .txt h2 { font-family: 'ProximaNovaCond-Light'; font-size: 32px; color:
#535559; text-transform: uppercase; margin-bottom: 6px; } #wrapper #content #newsWrapper
.news h2 { font-family: 'ProximaNovaCond-Regular'; font-size: 28px; margin-bottom: 15px; }
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font-size: 26px; text-transform: uppercase; color: #1d1d1b; margin-bottom: 20px; } /* TEXTE PAGES
ET ADMION */ #content.text, .redactor_box { font-family: Arial, Helvetica, Sans Serif; font-size: 16px;
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bottom: 10px; } #content.text p, .redactor_box p { color: #333333; margin-bottom: 20px; }
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.pagination ul li.next { width: 11px; height: 20px; } .pagination ul li.prev, .pagination ul li.nobl,
.pagination ul li.next { border-left: 0; } .paddedContent { padding: 20px; } #sponsorsWrapper h2 {
font-family: 'ProximaNovaCond-Regular'; font-size: 14px; text-transform: uppercase; } .dokuwiki
div.page { overflow: auto; }
```

[1] [World Bank Group](#)

[2] [World Bank](#)

[3] [Die Energieperspektiven für die Schweiz bis 2050](#)

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