



useful links and information concerning climate, environment and activism

- **Scientist for Future:**

- List of 24 Climate Change Hard Facts done by Scientists for Future with scientific references (same list exists in German)
<https://www.scientists4future.org/stellungnahme/facts-2019-03/>
also other useful illustrations can be found on their website, e.g.:
<https://www.scientists4future.org/infomaterial/sketchnotes/>
- “Concerns of young protesters are justified!” (Science, April 2019)
<https://science.sciencemag.org/content/364/6436/139.2.full>
https://www.oekom.de/fileadmin/zeitschriften/gaia_leseproben/GAIA_2019_02_079_087_SCIENTISTFORFUTURE.pdf

- **IPCC: Intergovernmental Panel of Climate Change (www.ipcc.ch)**

- Most recent available IPCC report: published on AUGUST 8TH, 2019:
“IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems “
<https://www.ipcc.ch/srccl-report-download-page/>
[for only Hard Facts click on Summary for Policymaker]
 - IPCC report from 2018: Special report 1.5°: (October 2018)
was written to make clear what the differences between 1.5° and 2° global climate warming are (same exists also in German, French, ...)
Summary for Policymakers: SPM
https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_SPM_version_report_LR.pdf
Frequently Asked Questions: FAQ
https://www.ipcc.ch/site/assets/uploads/sites/2/2018/12/SR15_FAQ_Low_Res.pdf
 - soon available report:
IPCC special report: The Ocean and Cryosphere in a Changing Climate
(press conference on September 23rd, 2019)
<https://www.ipcc.ch/report/srocc/>
- **Good websites with a lot of illustrative explanations about climate change:**
 - NASA climate educational websites: “vital signs of the planet”



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(with the sections: Evidence/Causes/Effects/Scientific Consensus/Vital signs/FAQ)

<https://climate.nasa.gov/evidence/>

<https://sealevel.nasa.gov/>

- Climate Science Special Report, Fourth National Climate Assessment (Focus on United States):
<https://science2017.globalchange.gov/>
- The following websites might look old, but the content is actually very new and reliable:
 - Explaining climate change science & rebutting global warming misinformation: "Getting skeptical about global climate skepticism"
<https://skepticalscience.com/>
 - lots of very good articles about climate science from climate scientists: <http://www.realclimate.org/>
- National Centre for Climate Services: Swiss Climate Change Scenarios (CH2018: only for Switzerland, but the graphics are very illustrative!)
<https://www.nccs.admin.ch/nccs/en/home/climate-change-and-impacts/swiss-climate-change-scenarios/key-messages.html>
- **Nice presentations from Jean-Pascal van Ypersele IPCC Vice-Chair from 2008 to 2015**
Twitter: @JPvanYpersele:
see: <https://vanyp.elic.ucl.ac.be/conferences>
 - e.g: "The urgency of the climate change challenge: Why zero net emissions are needed"
[http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-6-18_jpvy_sunrise_the_urgency_of_the_climate.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation\(1\)&-recid=28854](http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-6-18_jpvy_sunrise_the_urgency_of_the_climate.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation(1)&-recid=28854)
 - e.g: Climate change: From modelling to school strikes
[http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-5-20_jpvy_antwerpen_antwerpen_young_minds_climate_change_from_modelling_to.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation\(1\)&-recid=28833](http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-5-20_jpvy_antwerpen_antwerpen_young_minds_climate_change_from_modelling_to.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation(1)&-recid=28833)
- **Crash Course on Climate:** Lectures by Alasdair Skelton, Professor of Geochemistry and Petrology at Stockholm University, aimed at explaining basics of climate change



<http://www.tellus.geo.su.se/climate.html>

- **Interesting Articles:**

- “What lies Beneath: the understatement of existential climate risks” (Breakthrough, 2017) [however this article is not scientifically peer-reviewed]
https://docs.wixstatic.com/ugd/148cb0_a0d7c18a1bf64e698a9c8c8f18a42889.pdf
- “Global energy system based on 100% renewable energy” (energywatchgroup, April 2019)
http://energywatchgroup.org/wp-content/uploads/EWG_LUT_100RE_All_Sectors_Global_Report_2019.pdf

- **Nice visualizations of climate/climate action data:**

- “Whats-warming-the-world?” (created by NASA-GISS, 24.06.2015)
visualization of how much the different anthropogenic and natural factors contribute to global warming
<https://www.bloomberg.com/graphics/2015-whats-warming-the-world/>
- gapminder: data source and powerful interactive visualization tool! (here: time vs. CO2 emission per person for each country, bubble size corresponds to the GDP)
[https://www.gapminder.org/tools/#\\$state\\$time\\$value=2014&showForecast:true:&marker\\$select@\\$country=che&trailStartTime=1858&labelOffset@:0.038&:0.011::&\\$country=deu&trailStartTime=1800&labelOffset@:0.073&:0.072::&\\$country=chn&trailStartTime=1899:&\\$country=ind&trailStartTime=1858:&\\$country=usa&trailStartTime=1800&labelOffset@:0.103&:-0.099::&opacitySelectDim:0.47&axis_x\\$which=time&domainMin:null&domainMax:null&zoomedMin:null&zoomedMax:null&scaleType=time&spaceRef:null:&axis_y\\$which=co2_emissions_tonnes_per_person&domainMin:null&domainMax:null&zoomedMin:null&zoomedMax:null&scaleType=genericLog&spaceRef:null:&size\\$which=income_per_person_gdppercapita_ppp_inflation_adjusted&domainMin:null&domainMax:null&spaceRef:null:&color\\$data=data_fasttrack&spaceRef=entities:::&ui\\$presentation:true:&chart-type=bubbles](https://www.gapminder.org/tools/#$state$time$value=2014&showForecast:true:&marker$select@$country=che&trailStartTime=1858&labelOffset@:0.038&:0.011::&$country=deu&trailStartTime=1800&labelOffset@:0.073&:0.072::&$country=chn&trailStartTime=1899:&$country=ind&trailStartTime=1858:&$country=usa&trailStartTime=1800&labelOffset@:0.103&:-0.099::&opacitySelectDim:0.47&axis_x$which=time&domainMin:null&domainMax:null&zoomedMin:null&zoomedMax:null&scaleType=time&spaceRef:null:&axis_y$which=co2_emissions_tonnes_per_person&domainMin:null&domainMax:null&zoomedMin:null&zoomedMax:null&scaleType=genericLog&spaceRef:null:&size$which=income_per_person_gdppercapita_ppp_inflation_adjusted&domainMin:null&domainMax:null&spaceRef:null:&color$data=data_fasttrack&spaceRef=entities:::&ui$presentation:true:&chart-type=bubbles)
- “Climate action tracker” - visualizations of the progress towards the globally agreed aim of holding warming well below 2°C, and pursuing efforts to limit warming to 1.5°C for different countries
<https://climateactiontracker.org/countries/>
“climate crisis demands more government action as emissions rise” (June 2019)
<https://climateactiontracker.org/publications/climate-crisis-demands-more-government-action-as-emissions-rise/>
- CO2 emissions visualized as spirals or stripes
<http://www.climate-lab-book.ac.uk/spirals/>

- **Selection of research papers:**



- “Trajectories of the Earth System in the Anthropocene” (PNAS, 14.08.2018)
Important paper why we have to act now to prevent a “Hothouse Earth pathway”
<https://www.pnas.org/content/115/33/8252>
- “Global risk of deadly heat” (Nature, 19.06.2017)
An increasing threat to human life from excess heat now seems almost inevitable, but will be greatly aggravated if greenhouse gases are not considerably reduced.
<https://www.nature.com/articles/nclimate3322>
- “Limited influence of climate change mitigation on short-term glacier mass loss” (Nature, 19.03.2018)
new paper about glacier retreat with a nice simplification: 1kg CO₂ emission causes around 16kg of glacier ice retreat under the paper’s published date conditions
<https://www.nature.com/articles/s41558-018-0093-1>
- **Informations in other languages:**
 - Deutsch:
 - Science for Future Deutschland Wikipedia: (ist gerade im Aufbau)
<http://s4f.wiki.gwdg.de/doku.php?id=oeffentlich:start>
 - Klimaszenarien für die Schweiz: CH2018
<https://www.nccs.admin.ch/nccs/de/home/klimawandel-und-auswirkungen/schweizer-klimaszenarien.html>
(auch viele allgemeine Informationen über die Klimaszenarien)
 - Rezo wissenschaftlich geprüft (auf die Klimafragen): (MaiLab, 23.05.2019)
<https://www.youtube.com/watch?v=tNZXy6hfvhM>
 - Auswahl von Videos von Harald Lesch (deutscher Astrophysiker, Naturphilosoph und Wissenschaftsjournalist) über den Klimawandel
“Missverständnisse zum Klimawandel aufgeklärt” (31.07.2019)
<https://www.youtube.com/watch?v=QWfzim9Ttyc>
“Die Menschheit schafft sich ab!” (17.05.2018)
<https://www.youtube.com/watch?v=gMRnowgpGig>
“AFD-Klima Quiz”: Interview mit Prof. Stefan Rahmstorf, Klimaforscher (03.04.2019) https://www.youtube.com/watch?v=pxLx_Y6xkPQ

Français:



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- Présentations de Jean-Pascal van Ypersele:
“Changements climatiques il est urgent d’investir”
[http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-7-4_jpvy_novethic_changements_climatiquesil_est_urgent.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation\(1\)&-recid=28845](http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-7-4_jpvy_novethic_changements_climatiquesil_est_urgent.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation(1)&-recid=28845)

“Il n’est pas trop tard pour agir”
[http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-6-25_jpvy_bruxelles_les_ambassadeurs_d_changements_climatiques_il_nest.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation\(1\)&-recid=28856](http://ucl-fms02.sipr.ucl.ac.be/fmi/xml/cnt/2019-6-25_jpvy_bruxelles_les_ambassadeurs_d_changements_climatiques_il_nest.pdf?-db=JPteam_activities&-lay=web_doc&-field=Doc_presentation(1)&-recid=28856)

...
plus en: <https://vanyp.elic.ucl.ac.be/conferences>
- très bonne site de web de confiance en Français
-> tous les trois mois une lettre d’info apparaît:
<https://plateforme-wallonne-giec.be/lettre>
les thèmes des dernières lettres étaient:
 - “changements climatiques et terres” (juillet 2019)
https://plateforme-wallonne-giec.be/assets/documents/P_Wallonne-GI_EC_Lettre14.pdf
 - “sauver le climat: les bases” (avril 2019)
https://plateforme-wallonne-giec.be/assets/documents/P_Wallonne-GI_EC_Lettre13.pdf
... et beaucoup plus !
- Scénarios climatiques pour la Suisse:
<https://www.nccs.admin.ch/nccs/fr/home/changement-climatique-et-impacts/scenarios-climatiques-suisse.html>
- Article: “En moins de dix ans le réchauffement climatique a modifié la flore de France” (vigienature, 04.05.2018)
Migration des plantes en altitude : 66 m en moyenne pendant le 20e siècle.
“Actuellement le taux de migration est de 12,2 mètres par décennie en hauteur, et 17,6 km en par décennie vers des latitudes plus froides.”
<http://www.vigienature.fr/fr/actualites/moins-dix-ans-rechauffement-climatique-modifie-flore-france-3319>
<https://science.sciencemag.org/content/333/6045/1024> (payant)
- Groupe d'experts pour le climat et le Développement Durable:
<https://www.klimaatpanel.be/fr>



Dutch:

- <https://www.klimaatpanel.be/nl>

Italiano:

- Scenari Climatici per la svizzera: CH2018
<https://www.nccs.admin.ch/nccs/it/home/cambiamenti-climatici-e-impatti/scenari-climatici-per-la-svizzera.html>
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- **A central hub, info resource & open platform for the climate movement:**

Better World Info is an excellent online resource offering over 4000 links on **Climate Change**. Plus many more on related environmental issues such as Biodiversity, Energy, Oceans, Forests, Animals and Transport. - The website is a collaborative project where everyone is welcome to recommend and add links. People with experience in the field can help us with moderating the website.

A huge information resource and powerful tool for change! - We invite you to use it.

<https://betterworld.info/environment/global-climate-crisis>

<https://betterworld.info/environment/global-climate-crisis/players-ngos/fridays-future> - FFF

Twitter List <https://twitter.com/BetterWorldInfo/lists/climatechange>

Bessere Welt Links zur **Klimakrise** (2000 Links) plus Umwelt (Energie, Ozeane, Wälder, Tiere & Verkehr) plus Aktivismus. - Eine große Informations-Resource & Vernetzungs-Plattform. Nutzer können gute Links selber eintragen und Experten & Aktivisten können Moderatorenrechte bekommen.

<http://bessereweltlinks.de/index.php?cat=2151>

<http://bessereweltlinks.de/index.php?cat=14744> - FFF
