

## Referências gerais para as sessões “Primavera do Clima – O futuro é agora”

### Ciência climática

#### Intergovernmental Panel on Climate Change

- 5th Assessment Report: [http://report.ipcc.ch/sr15/pdf/sr15\\_spm\\_final.pdf](http://report.ipcc.ch/sr15/pdf/sr15_spm_final.pdf)
- Special Report: Global Warming of 1.5°C: <https://www.ipcc.ch/sr15/>
- Crítica do IPCC
  - <http://www.garnautreview.org.au/update-2011/garnaut-review-2011/chapter1.html>
  - <https://www.youtube.com/watch?v=3nLEXXvXRY8> (Spratt, 2014)
  - <https://www.youtube.com/watch?v=Chsas3u8k-k> (Anderson, 2017)
  - Kintisch, Eli. "Projections of climate change go from bad to worse, scientists report." (2009): 1546-1547. (<http://science.sciencemag.org/content/323/5921/1546.summary>)
  - Spratt, D., Dunlop, I. (2018). What Lies Beneath - The Understatement of Existential Climate Risks. Breakthrough National Centre for Climate Restoration [https://docs.wixstatic.com/ugd/148cb0\\_a0d7c18a1bf64e698a9c8c8f18a42889.pdf](https://docs.wixstatic.com/ugd/148cb0_a0d7c18a1bf64e698a9c8c8f18a42889.pdf)

#### Dados sobre Gases com Efeito de Estufa

- Emissões de CO<sub>2</sub> por fonte: Our World in Data <https://ourworldindata.org/grapher/co2-by-source>
- Concentração de CO<sub>2</sub>: NOAA Climate <https://www.climate.gov/news-features/understanding-climate/climate-change-atmospheric-carbon-dioxide>
- Aumento da temperatura: IPCC AR5 Figure SPM1 [https://www.ipcc.ch/site/assets/uploads/2018/02/SPM.1\\_rev1-01-1.png](https://www.ipcc.ch/site/assets/uploads/2018/02/SPM.1_rev1-01-1.png)
- Derreito do gelo Ártico: PIOMAS <http://psc.apl.washington.edu/research/projects/arctic-sea-ice-volume-anomaly/>
- Orçamento de carbono
  - Carbon Budgets Explained, Carbon Brief: <https://www.carbontracker.org/carbon-budgets-explained/>
  - CO<sub>2</sub> and other Greenhouse Gas Emissions, Hannah Ritchie & Max Roser: <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>
  - Carbon Countdown: <https://www.carbonbrief.org/analysis-four-years-left-one-point-five-carbon-budget>
- Planetary Boundaries: Rockström, J; Steffen, WL; Noone, K; Persson, Å; Chapin III, FS; Lambin, EF; Lenton, TM; Scheffer, M; et al. (2009), "[Planetary Boundaries: Exploring the Safe Operating Space for Humanity](#)" (PDF), Ecology and Society, **14** (2): 32

## Realimentação positiva

- Wake Up, Freak Out - then Get a Grip: <https://www.youtube.com/watch?v=VnyLIRCPajM>
- Pistone, K., Eisenman, I., & Ramanathan, V. (2014). Observational determination of albedo decrease caused by vanishing Arctic sea ice. *Proceedings of the National Academy of Sciences*, 111(9), 3322-3326.
- Nobre, A. D., Oyama, M. D., & Oliveira, G. S. (2014). The future climate of Amazonia. *Scientific Assessment Report. Articulação Regional Amazonica (ARA), São José dos Campos*. Retrieved from: [http://www.ccst.inpe.br/wpcontent/uploads/2014/11/The\\_Future\\_Climate\\_of\\_Amazonia\\_Report.Pdf](http://www.ccst.inpe.br/wpcontent/uploads/2014/11/The_Future_Climate_of_Amazonia_Report.Pdf).
- **Hothouse Earth:** Steffen, W., Rockström, J., Richardson, K., Lenton, T. M., Folke, C., Liverman, D., ... & Donges, J. F. (2018). Trajectories of the Earth System in the Anthropocene. *Proceedings of the National Academy of Sciences*, 201810141. <https://www.theguardian.com/environment/2018/aug/06/domino-effect-of-climate-events-could-push-earth-into-a-hothouse-state>
- Raftery, A. E., Zimmer, A., Frierson, D. M., Startz, R., & Liu, P. (2017). Less than 2C warming by 2100 unlikely. *Nature Climate Change*, 7(9), 637.

## Extinção

- Global Biodiversity Outlook 2, UNEP Convention on Biological Diversity <http://www.cbd.int/doc/gbo/gbo2/cbd-gbo2-en.pdf>
- Impacts of Biodiversity Loss on Ocean Ecosystem Services; Boris Worm et al.; Science Magazine: <http://science.sciencemag.org/content/314/5800/787>
- Ward, P. D. (2007). *Under a green sky*. Smithsonian Books/Collins. <https://www.scientificamerican.com/article/the-window-is-closing-to-avoid-dangerous-global-warming/> (20/10/18)
- De Vos, J. M., Joppa, L. N., Gittleman, J. L., Stephens, P. R., & Pimm, S. L. (2015). Estimating the normal background rate of species extinction. *Conservation Biology*, 29(2), 452-462.
- Lamkin, M., & Miller, A. I. (2016). on the Challenge of Comparing Contemporary and Deep-time Biological-extinction Rates. *BioScience*, 66(9), 785-789
- Ceballos, G., Ehrlich, P. R., & Dirzo, R. (2017). Biological annihilation via the ongoing sixth mass extinction signaled by vertebrate population losses and declines. *Proceedings of the National Academy of Sciences*, 114(30), E6089-E6096.
- <https://www.theguardian.com/environment/2018/may/21/human-race-just-001-of-all-life-but-has-destroyed-over-80-of-wild-mammals-study> (21/10/18)

- **Extinção humana:** Xu, Y., & Ramanathan, V. (2017). Well below 2 C: Mitigation strategies for avoiding dangerous to catastrophic climate changes. *Proceedings of the National Academy of Sciences*, 114(39), 10315-10323.

## Outras Fontes

- [https://en.wikipedia.org/wiki/Milankovitch\\_cycles](https://en.wikipedia.org/wiki/Milankovitch_cycles)
- <https://sites.google.com/site/greenprojectcom/Pgina-inicial/alteracoes-climaticas-antropogenicas>
- [https://pt.wikipedia.org/wiki/Mudan%C3%A7a\\_do\\_clima](https://pt.wikipedia.org/wiki/Mudan%C3%A7a_do_clima)
- [https://pt.wikipedia.org/wiki/Consenso\\_cient%C3%ADfico\\_sobre\\_mudan%C3%A7as\\_clim%C3%A1ticas](https://pt.wikipedia.org/wiki/Consenso_cient%C3%ADfico_sobre_mudan%C3%A7as_clim%C3%A1ticas)
- <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>
- <https://www.esrl.noaa.gov/gmd/ccgg/trends/full.html>
- <https://www.esrl.noaa.gov/gmd/ccgg/trends/graph.html>
- <https://www.climatesignals.org/data/record-high-temps-vs-record-low-temps>
- <http://www.carbonmap.org/>
- <https://www.climatecentral.org/gallery/graphics/the-10-hottest-global-years-on-record>
- [http://www.livingplanetindex.org/users/sign\\_up](http://www.livingplanetindex.org/users/sign_up)
- [https://wwf.panda.org/knowledge\\_hub/all\\_publications/living\\_planet\\_report\\_2018/](https://wwf.panda.org/knowledge_hub/all_publications/living_planet_report_2018/)

## Impactos das Alterações Climáticas

- Portugal hot-spot: Alterações climáticas em Portugal. Cenários, Impactes e Medidas de Adaptação - Projecto SIAM  
[https://www.researchgate.net/publication/259061403\\_Alteracoes\\_climaticas\\_em\\_Portugal\\_Cenarios\\_Impactes\\_e\\_Medidas\\_de\\_Adaptacao\\_-\\_Projecto\\_SIAM](https://www.researchgate.net/publication/259061403_Alteracoes_climaticas_em_Portugal_Cenarios_Impactes_e_Medidas_de_Adaptacao_-_Projecto_SIAM)
- Ocean acidification: global warming's evil twin; Skeptical Science:  
<https://skepticalscience.com/ocean-acidification-global-warming.htm>
- Nível do mar: <https://climate.nasa.gov/vital-signs/sea-level/>
  - Bangladeche: <https://www.climate.gov/teaching/resources/impact-sea-level-rise-bangladesh>
  - Aveiro: [https://www.rtp.pt/noticias/pais/regiao-costeira-de-aveiro-em-risco-de-ser-engolida-pelo-mar-em-poucas-decadas\\_a727867](https://www.rtp.pt/noticias/pais/regiao-costeira-de-aveiro-em-risco-de-ser-engolida-pelo-mar-em-poucas-decadas_a727867)
- Ondas de calor: <https://www.ucsusa.org/our-work/global-warming/global-warming-impacts/heat-waves-and-climate-change-what-science-tells-us#.XFhxWoXLduU>
  - Europa: <http://www.ox.ac.uk/news/2018-07-27-heatwave-made-twice-likely-climate-change>

- Portugal: <https://tvi24.iol.pt/sociedade/alteracoes-climaticas/ondas-de-calor-e-secas-vaomanter-se-e-agravar-se>
- Incêndios florestais
  - California: [https://en.wikipedia.org/wiki/2018\\_California\\_wildfires](https://en.wikipedia.org/wiki/2018_California_wildfires)
  - Portugal: <https://www.dn.pt/lusa/interior/incendios-alteracoes-climaticas-sao-a-causa-dos-fogos-na-california-e-em-portugal----damasio-8883742.html>
- Eventos extremos
  - Compilação 2017, American Meteorological Society: <https://www.ametsoc.org/index.cfm/ams/publications/bulletin-of-the-american-meteorological-society-bams/explaining-extreme-events-from-a-climate-perspective/>
  - 2018: <https://www.theguardian.com/environment/ng-interactive/2018/dec/21/deadly-weather-the-human-cost-of-2018s-climate-disasters-visual-guide>
- Secas crónicas
  - África: <https://www.oxfam.org/sites/www.oxfam.org/files/mb-climate-crisis-east-africa-drought-270417-en.pdf>
  - Alentejo: <https://www.publico.pt/2018/04/23/ciencia/noticia/alteracoes-climaticas-vaointensificar-seca-no-sul-da-europa-1811421>
- Água
  - Water, Drought, Climate Change, and Conflict in Syria, Peter H. Gleick; <https://journals.ametsoc.org/doi/10.1175/WCAS-D-13-00059.1>
- Crise alimentar
  - <https://www.bloomberg.com/news/articles/2018-03-22/food-crises-intensifying-because-of-climate-change-and-conflict>
  - <https://www.scientificamerican.com/article/world-hunger-is-increasing-thanks-to-wars-and-climate-change/>
- Saúde pública
  - Epidemias: <https://www.who.int/globalchange/climate/summary/en/index5.html>
  - <https://unfccc.int/news/climate-change-impacts-human-health>
- Refugiados climáticos
  - EUA: <https://www.theguardian.com/environment/2018/sep/24/climate-refugees-new-orleans-houston-hurricane-katrina-hurricane-harvey>
  - Bangladesh: <https://www.theguardian.com/global-development/2018/jan/04/bangladesh-climate-refugees-john-vidal-photo-essay>
  - <https://www.wikitribune.com/article/74111/>

## Ciência vs. Negacionismo

- Século XIX: <https://theconversation.com/a-brief-history-of-climate-science-18578>
- Curva de Keeling: [https://en.wikipedia.org/wiki/Keeling\\_Curve](https://en.wikipedia.org/wiki/Keeling_Curve)
- James Hansen: <https://grist.org/article/james-hansens-legacy-scientists-reflect-on-climate-change-in-1988-2018-and-2048/>
- Consenso: <http://theconsensusproject.com/>
- American Petroleum Institute: <https://www.theguardian.com/business/2016/apr/13/climate-change-oil-industry-environment-warning-1968>
- Exxon: <https://exxonknew.org/>
- Shell: <https://www.theguardian.com/environment/2017/feb/28/shell-knew-oil-giants-1991-film-warned-climate-change-danger>
- Global Climate Coalition: <https://www.nytimes.com/2009/04/24/science/earth/24deny.html>
- Quioto: <https://www.theguardian.com/environment/blog/2012/nov/26/kyoto-protocol-carbon-emissions>
- Copenhaga: <https://www.theguardian.com/environment/2009/dec/18/copenhagen-deal>
- Paris: <https://france.attaq.org/actus-et-medias/salle-de-presse/article/reaction-d-attaq-france-a-l-accord-de-paris>

## Políticas em Portugal

- Exploração de gás, gasoduto, terminais de GNL: [www.camp-in-gas.pt](http://www.camp-in-gas.pt)
- Aeroporto no Montijo: <http://plataformacivicaba6nao.pt/>
- Comboios: <https://www.publico.pt/2018/10/21/economia/noticia/neste-comboio-olhase-tras-explicar-desinvestimento-ferrovia-1848322>  
<https://www.dn.pt/lusa/interior/governo-assinala-desinvestimento-no-grupo-cp-na-legislatura-passada--9741045.html>
- Emissões em Portugal: Roteiro para Neutralidade Carbónica <https://descarbonizar2050.pt/>

## WWII-style Mobilisation

- <https://www.theclimatemobilization.org/solution/> (22/10/18)
- Broadberry, S., & Howlett, P. (2002). Blood, Sweat and Tears: British Mobilisation for World War II. *A World at Total War*, edited by Roger Chickering, Stig Forster and Bernd Grenier, 157.
- Delina, L. L., & Diesendorf, M. (2013). Is wartime mobilisation a suitable policy model for rapid national climate mitigation?. *Energy Policy*, 58, 371-380.

## Desobediência Civil

- O estudo sobre 3.5% e revoluções
  - <https://www.theguardian.com/commentisfree/2017/feb/01/worried-american-democracy-study-activist-techniques>
  - <https://www.youtube.com/watch?v=YJSehRIU34w>
- <http://watchdisobedience.com/>
- Ende Gelände, mina de carvão: [www.ende-gelaende.org](http://www.ende-gelaende.org)
- Parque de Gezi, Istambul: [https://en.wikipedia.org/wiki/Gezi\\_Park\\_protests](https://en.wikipedia.org/wiki/Gezi_Park_protests)
- ACT UP, contra SIDA: [https://en.wikipedia.org/wiki/ACT\\_UP](https://en.wikipedia.org/wiki/ACT_UP)  
[https://en.wikipedia.org/wiki/United\\_in\\_Anger:\\_A\\_History\\_of\\_ACT\\_UP](https://en.wikipedia.org/wiki/United_in_Anger:_A_History_of_ACT_UP)  
[https://en.wikipedia.org/wiki/BPM\\_\(Beats\\_per\\_Minute\)](https://en.wikipedia.org/wiki/BPM_(Beats_per_Minute))
- Rosa Parks: [https://en.wikipedia.org/wiki/Rosa\\_Parks](https://en.wikipedia.org/wiki/Rosa_Parks)
  - Civil rights movement: [https://en.wikipedia.org/wiki/Civil\\_rights\\_movement](https://en.wikipedia.org/wiki/Civil_rights_movement)
- Women's suffrage: [https://en.wikipedia.org/wiki/Women%27s\\_suffrage](https://en.wikipedia.org/wiki/Women%27s_suffrage)  
<https://www.archives.gov/education/lessons/woman-suffrage>
- Furo de Aljezur
  - [www.pararofuro.pt](http://www.pararofuro.pt)
  - Relatório “Lutar para Vencer” <https://climaximo.wordpress.com/2018/08/07/relatorio-lutar-para-vencer-report-fight-to-win/>
  - Resumo da luta em inglês: <https://climaximo.wordpress.com/2018/07/17/portugals-fossil-free-movement-heating-up-the-fight-as-the-aljezur-drill-threat-approaches/>
- By 2020 We Rise Up: [www.by2020weriseup.net](http://www.by2020weriseup.net)

Mais apresentações por Climáximo: <https://climaximo.wordpress.com/recursos/apresentacoes/>