



November 2021

## Climate mitigation advocacy

### Useful information on the environmental assessment on strategic and project level for NGOs

The availability of relevant information in advocacy work is essential. The purpose of this document is to gather information necessary for practising climate advocacy in SEA and EIA procedures.

It is crucial that **strategic environmental assessments** contribute to meeting internationally agreed climate goals on national level. Therefore, policies, plans, programmes, and projects, should properly address both the mitigation of climate change and adaptation to climate change. National, regional, or sectoral climate change objectives can be achieved through an integrated approach. Also, activities for putting pressure on national authorities are necessary to set ambitious climate goals. For this purpose, some useful key sources and documents regarding climate goals and assessments on climate within SEA are presented here.

For **environmental impact assessments** of projects, the climate dimension is also increasingly relevant. This applies not only to climate mitigation, but also to climate resilience since they will operate in certain environment for long time. As there are no uniform methodologies for impact assessment on climate, a case-by-case approach and the combination of different methodological tools are necessary. This document provides a collection of useful information sources.

## Climate mitigation goals

- UN Sustainable development goals (SDG): goal 13 – Climate action  
<https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals> or  
<https://www.un.org/sustainabledevelopment/climate-change/>
- UN SDG report  
<https://www.un.org/sustainabledevelopment/progress-report/>
- Sustainable development in the European Union – Monitoring report on progress towards the SDGs in an EU context – 2021 edition  
<https://ec.europa.eu/eurostat/web/products-statistical-books/-/ks-03-21-096>
- UN Climate change – Reporting and review under the Convention  
<https://unfccc.int/process-and-meetings#:0c4d2d14-7742-48fd-982e-d52b41b85bb0:f666393f-34f5-45d6-a44e-8d03be236927>
- UN Framework Convention on Climate Change (UNFCCC)  
<https://unfccc.int/process-and-meetings/the-convention/what-is-the-united-nations-framework-convention-on-climate-change>
- UN Climate adaptation  
<https://www.unenvironment.org/explore-topics/climate-change/what-we-do/climate-adaptation>
- Kyoto protocol  
[https://unfccc.int/kyoto\\_protocol](https://unfccc.int/kyoto_protocol)
- Paris Agreement  
<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>
- Reporting requirements for UNFCCC  
<https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/greenhouse-gas-inventories-annex-i-parties/reporting-requirements>
- GHG data and national reporting under UNFCCC  
<https://unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc> and  
<https://unfccc.int/ghg-inventories-annex-i-parties/2021>
- Greenhouse Gas Protocol  
<https://ghgprotocol.org>
- UN, Emissions Gap Report 2021  
<https://www.unenvironment.org/emissions-gap-report-2021>
- IPCC (2006) Guidelines for National Greenhouse Gas Inventories  
<https://www.ipcc-nggip.iges.or.jp/public/2006gl/>
- 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories  
<https://www.ipcc.ch/report/2019-refinement-to-the-2006-ipcc-guidelines-for-national-greenhouse-gas-inventories/>
- IPCC 5<sup>th</sup> Assessment Report (2014)

- <https://www.ipcc.ch/assessment-report/ar5/>
- Working Group I contribution to the 6<sup>th</sup> Assessment Report (2021)  
<https://www.ipcc.ch/assessment-report/ar6/>
- IPCC Special Report on Global Warming of 1,5 °C (2018)  
<https://www.ipcc.ch/sr15/>
- IPCC Report on Climate Change and Land (2019)  
<https://www.ipcc.ch/srccl/>
- IPCC Special Report on the Ocean and Cryosphere (2019)  
<https://www.ipcc.ch/srocc/>
- IPCC National Systems or Managing the Risks from Climate Extremes and Disasters  
[https://www.ipcc.ch/site/assets/uploads/2018/03/SREX-Chap6\\_FINAL-1.pdf](https://www.ipcc.ch/site/assets/uploads/2018/03/SREX-Chap6_FINAL-1.pdf)
- Climate Policy Info Hub  
<https://climatepolicyinfohub.eu/>
- Global Carbon Budget  
<https://www.globalcarbonproject.org/carbonbudget/index.htm>
- European Commission Climate Action  
[https://ec.europa.eu/clima/index\\_en](https://ec.europa.eu/clima/index_en)
- European Climate Law: Regulation (EU) 2021/1119 of the European Parliament and the Council of 30 June 2021 establishing the framework for achieving climate neutrality and amending Regulations (EC) No 401/2009 and (EU) 2018/1999  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32021R1119>
- The European Green Deal  
<https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:52019DC0640&from=DE>
- 2030-climate & energy framework  
[https://ec.europa.eu/clima/policies/strategies/2030\\_en](https://ec.europa.eu/clima/policies/strategies/2030_en)
- Long-term climate strategy “A clean planet for all”  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52018DC0773>
- National progress reporting  
[https://ec.europa.eu/clima/policies/strategies/progress/monitoring\\_en](https://ec.europa.eu/clima/policies/strategies/progress/monitoring_en) and  
[https://ec.europa.eu/clima/policies/strategies/progress\\_en](https://ec.europa.eu/clima/policies/strategies/progress_en)
- National targets – Effort Sharing Regulation (Regulation (EU) 2018/842)  
[https://ec.europa.eu/clima/policies/effort\\_en](https://ec.europa.eu/clima/policies/effort_en)
- National plans and strategies (Regulation (EU) 2018/1999)  
[https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L\\_.2018.328.01.0001.01.ENG&toc=OJ:L:2018:328:FULL](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2018.328.01.0001.01.ENG&toc=OJ:L:2018:328:FULL)
- EU Emission Trading System (EU ETS)  
[https://ec.europa.eu/clima/policies/ets\\_en](https://ec.europa.eu/clima/policies/ets_en)
- Land Use and Forestry Regulation (LULUCF)  
[https://ec.europa.eu/clima/policies/forests/lulucf\\_en](https://ec.europa.eu/clima/policies/forests/lulucf_en)

- A European Strategy for Low-Emission Mobility  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52016SC0244>
- Climate Emergency Declaration  
[https://www.europarl.europa.eu/doceo/document/RC-9-2019-0209\\_EN.html](https://www.europarl.europa.eu/doceo/document/RC-9-2019-0209_EN.html)
- Healthy environment, healthy lives: how the environment influences health and well-being in Europe, European Environment Agency, 2019  
<https://www.eea.europa.eu/publications/healthy-environment-healthy-lives/>
- Biodiversity Strategy for 2030: Bringing nature back into our lives  
[https://ec.europa.eu/info/sites/default/files/communication-annex-eu-biodiversity-strategy-2030\\_en.pdf](https://ec.europa.eu/info/sites/default/files/communication-annex-eu-biodiversity-strategy-2030_en.pdf)
- Forging a climate-resilient Europe - the new EU Strategy on Adaptation to Climate Change  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2021:82:FIN>

## Sources for data

- Climate Change Performance Index (CCPI)  
<https://www.climate-change-performance-index.org/?fbclid=IwAR1cKQnFglGgdCaMXRv0CJWinlpK25tCvVWJIOstlQCjhp4cL65cERLNa0w>
- EUROSTAT Climate Change database  
<https://ec.europa.eu/eurostat/web/climate-change/data/database>
- European Environmental Agency – Climate Change mitigation  
<https://www.eea.europa.eu/themes/climate> and  
<https://www.eea.europa.eu/data-and-maps/data/national-emissions-reported-to-the-unfccc-and-to-the-eu-greenhouse-gas-monitoring-mechanism-15>
- Climate Action Network Europe – Climate  
<http://www.caneurope.org/climate>
- European Climate Foundation  
<https://europeanclimate.org/why-climate/>; especially webpage on resources  
<https://europeanclimate.org/resources/>
- Carbon Market Watch  
<https://carbonmarketwatch.org/about/>
- Climate ADAPT, European Climate Adaptation Platform  
<https://climate-adapt.eea.europa.eu/>

## Strategic environmental assessment – impact on climate

- ESPOO Convention, especially SEA Protocol  
[https://www.unece.org/env/eia/sea\\_protocol.html](https://www.unece.org/env/eia/sea_protocol.html)
- SEA Directive (2001/42/EC)  
<https://ec.europa.eu/environment/eia/sea-legalcontext.htm>
- Guidance on Integrating Climate Change and Biodiversity into Strategic Environmental Assessment (2013)  
<https://ec.europa.eu/environment/eia/pdf/SEA%20Guidance.pdf>
- Environmental protection Agency: Integrating Climate Change into Strategic Environmental Assessment in Ireland – A Guidance Note (2015)  
<https://www.opr.ie/wp-content/uploads/2019/11/Integrating-Climate-Change-into-SEA.pdf>
- IAIA, Climate Smart Decisions  
[https://www.iaia.org/uploads/pdf/Fastips\\_3Climate.pdf](https://www.iaia.org/uploads/pdf/Fastips_3Climate.pdf)
- J&E Guidance "Assessing the Impacts on Climatic Factors" (2020)  
[http://www.justiceandenvironment.org/fileadmin/user\\_upload/Publications/2020/JandE\\_Guidance\\_SEA\\_on\\_Climate\\_2020\\_fin.pdf](http://www.justiceandenvironment.org/fileadmin/user_upload/Publications/2020/JandE_Guidance_SEA_on_Climate_2020_fin.pdf)
- J&E Comparative Study "Assessing the Impacts on Climatic Factors" (2020)  
[http://www.justiceandenvironment.org/fileadmin/user\\_upload/Publications/2020/SEA\\_on\\_Climate\\_JE\\_recommendations\\_2020\\_FINAL\\_web.pdf](http://www.justiceandenvironment.org/fileadmin/user_upload/Publications/2020/SEA_on_Climate_JE_recommendations_2020_FINAL_web.pdf)

## Environmental impact assessment – impact on climate

- EIA Directive (2011/92/EU and 2014/52/EU)  
<https://ec.europa.eu/environment/eia/eia-legalcontext.htm>
- Guidance on Integrating Climate Change and Biodiversity into Environmental Impact Assessment (2013)  
<https://ec.europa.eu/environment/eia/pdf/EIA%20Guidance.pdf>
- EIA guidance – Screening (2017)  
[https://ec.europa.eu/environment/eia/pdf/EIA\\_guidance\\_Screening\\_final.pdf](https://ec.europa.eu/environment/eia/pdf/EIA_guidance_Screening_final.pdf)
- EIA guidance – Scoping (2017)  
[https://ec.europa.eu/environment/eia/pdf/EIA\\_guidance\\_Scoping\\_final.pdf](https://ec.europa.eu/environment/eia/pdf/EIA_guidance_Scoping_final.pdf)
- EIA guidance – EIA report (2017)  
[https://ec.europa.eu/environment/eia/pdf/EIA\\_guidance\\_EIA\\_report\\_final.pdf](https://ec.europa.eu/environment/eia/pdf/EIA_guidance_EIA_report_final.pdf)
- Climate Change and major Projects <https://climate-adapt.eea.europa.eu/metadata/guidances/climate-change-and-major-projects>
- The Basics of Climate Change Adaptation, Vulnerability and Risk Assessment (Jaspers Guidance note, 2017)

<http://www.jaspersnetwork.org/plugins/servlet/documentRepository/displayDocumentDetails?documentId=381>

- European Investment Bank Induced GHG Footprint, The carbon footprint of Projects financed by the bank, Methodologies for the Assessment of project GHG Emissions and Emission variations, (2020)  
[http://www.eib.org/attachments/strategies/eib\\_project\\_carbon\\_footprint\\_methodologies\\_en.pdf](http://www.eib.org/attachments/strategies/eib_project_carbon_footprint_methodologies_en.pdf)
- EIB Climate Strategy, Mobilising finance for the transition to a low-carbon and climate-resilient economy (EIB - European Investment Bank, 2020)  
[http://www.eib.org/attachments/strategies/eib\\_climate\\_strategy\\_en.pdf](http://www.eib.org/attachments/strategies/eib_climate_strategy_en.pdf)
- Calculation of GHG Emissions in Waste and Waste-to-Energy Projects (Jaspers, 2013)  
[http://www.jaspersnetwork.org/download/attachments/4948011/13-03-11%20JASPERS%20WP\\_Methodology%20for%20GHG%20Emission%20Calculation\\_Waste%20Calculation\\_FINAL.pdf?version=1&modificationDate=1366389231000&api=v2](http://www.jaspersnetwork.org/download/attachments/4948011/13-03-11%20JASPERS%20WP_Methodology%20for%20GHG%20Emission%20Calculation_Waste%20Calculation_FINAL.pdf?version=1&modificationDate=1366389231000&api=v2)
- IAIA, Incorporating Climate Change Considerations in Impact Assessments (2018)  
<https://www.iaia.org/uploads/pdf/Key-Citations-Climate-Change.pdf>
- IAIA, Climate Change in Impact Assessments (2018)  
<https://www.iaia.org/uploads/pdf/SP8%20Climate%20Change%202018.pdf>
- IAIA, Addressing climate change through environmental impact assessment: international perspectives from a survey of IAIA members (2011)  
<https://www.tandfonline.com/doi/pdf/10.3152/146155111X12959673796001>
- IAIA, Assessing Greenhouse Gas Emissions and Evaluating their Significance (2017)  
[https://www.iaia.org/pdf/wab/EIA%20Guide\\_GHG%20Assessment%20and%20Significance\\_IEMA\\_16May17.pdf](https://www.iaia.org/pdf/wab/EIA%20Guide_GHG%20Assessment%20and%20Significance_IEMA_16May17.pdf)
- Commission Guidelines on reporting climate-related information  
[https://ec.europa.eu/info/publications/non-financial-reporting-guidelines\\_en#climate](https://ec.europa.eu/info/publications/non-financial-reporting-guidelines_en#climate)
- IAIA, Climate Smart Decisions (2013)  
[https://www.iaia.org/uploads/pdf/Fastips\\_3Climate.pdf](https://www.iaia.org/uploads/pdf/Fastips_3Climate.pdf)
- Non-paper Guidelines for Project Managers: Making vulnerable investments climate resilient  
<https://climate-adapt.eea.europa.eu/metadata/guidances/non-paper-guidelines-for-project-managers-making-vulnerable-investments-climate-resilient/guidelines-for-project-managers.pdf>

## Other useful sources

- Mitigation Goal Standard  
<https://ghgprotocol.org/mitigation-goal-standard>
- Compendium on greenhouse gas baselines and monitoring (2016)

[https://unfccc.int/files/national\\_reports/non-annex\\_i\\_natcom/cge/application/pdf/final-compendium-mitigation-actions.pdf](https://unfccc.int/files/national_reports/non-annex_i_natcom/cge/application/pdf/final-compendium-mitigation-actions.pdf)

- Warming assessment of the bottom-up Paris Agreement emissions pledges  
<https://www.nature.com/articles/s41467-018-07223-9>
- CO<sub>2</sub> and Greenhouse Gas Emissions  
<https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>
- Understanding Human Rights and Climate Change  
<https://www.ohchr.org/Documents/Issues/ClimateChange/COP21.pdf>
- Analytical study on the relationship between climate change and the full and effective enjoyment of the rights of the child – Report of the Office of the United Nations High Commissioner for Human Rights  
<https://www.ohchr.org/EN/Issues/HRAndClimateChange/Pages/RightsChild.aspx>
- Sabin Center for Climate Change Law: Climate Change Litigation Databases  
<http://climatecasechart.com>
- Climate Action Network Europe: CAN Europe's Position on long-term climate targets for the EU  
<https://caneurope.org/can-europe-position-on-long-term-targets/>
- EIT Climate-KIC: Industrial transformation 2050, Pathways to Net-Zero Emissions from EU Heavy Industry (2019)  
<https://www.climate-kic.org/wp-content/uploads/2019/04/Material-Economics-Industrial-Transformation-2050.pdf>
- Industrial Transformation 2050 – Towards an Industrial strategy for a Climate Neutral Europe  
<https://www.climate-kic.org/wp-content/uploads/2019/04/Towards-an-Industrial-Strategy-FULL-REPORT.pdf>
- Cracking Europe's hardest climate nut – How to kick-start the zero-carbon transition of energy-intensive industries?  
<https://carbonmarketwatch.org/publications/cracking-europes-hardest-climate-nut>
- Climate Analytics: Coal phase out in the European Union  
<https://climateanalytics.org/briefings/eu-coal-phase-out>
- Climate Action Network Europe: Pave the Way for Increased Climate Ambition - Opportunities and Gaps in the final National Energy and Climate Plans (2020)  
<https://caneurope.org/content/uploads/2020/10/Opportunities-and-Gaps-in-final-NECPs.pdf>
- EAT, Healthy Diet From Sustainable Food Systems, Food, Planet, Health (2019)  
<https://eatforum.org/eat-lancet-commission/eat-lancet-commission-summary-report/>
- European Observatory on Health Systems and Policies: Connecting food systems for co-benefits: How can food systems combine diet-related health with environmental and economic policy goals?  
<https://apps.who.int/iris/handle/10665/331979>

- Springmann, Marco; J. Godfray, H. Charles; Rayner, Mike in Scarborough, Peter: Analysis and valuation of the health and climate change cobenefits of dietary change, Proceedings of the National Academy of Sciences of the United States of America, Washington DC 2016  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4839446>
- Aleksandrowicz, Lukasz; Green, Rosemary; J. M. Joy, Edward; Smith, Pete in Haines, Andy: The Impacts of Dietary Change on Greenhouse Gas Emissions, Land Use, Water Use, and Health: A Systematic Review (2016)  
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0165797#abstract0>
- Food and Agriculture Organization of the United Nations: Livestock's long shadow - environmental issues and options  
<http://www.fao.org/3/a0701e/a0701e00.htm>
- RISE Foundation: What is the Safe Operating Space for EU livestock x(2018)  
[https://risefoundation.eu/wp-content/uploads/2020/07/2018\\_RISE\\_Livestock\\_Full.pdf](https://risefoundation.eu/wp-content/uploads/2020/07/2018_RISE_Livestock_Full.pdf)
- International Union for Conservation of Nature: Towards sustainable agriculture (2018)  
[https://www.iucn.org/sites/dev/files/content/documents/2018/iucn-eu\\_sustainable\\_agriculture\\_final.pdf](https://www.iucn.org/sites/dev/files/content/documents/2018/iucn-eu_sustainable_agriculture_final.pdf)