

# Sustainable Development Goals and Climate Action

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# *A Roadmap to a Better World by 2030*



TRANSFORMING OUR WORLD:



THE 2030 AGENDA FOR  
SUSTAINABLE DEVELOPMENT



Source: [news.un.org](https://news.un.org)



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# SUSTAINABLE DEVELOPMENT GOALS



# SDG13 and its Targets



## TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

Target

### 13.1

Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

### 13.2

Integrate climate change measures into national policies, strategies and planning

### 13.3

Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

### 13.a

Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible

### 13.b

Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities  
Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change.

Source: [sdgs.un.org](https://sdgs.un.org)



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# Climate Change mentioned in SDGs beyond SDG13



Target

**1.5**

By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters



Target

**2.4**

By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality



Target

**11.b**

By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels <br>



**12.8.1**

Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment

Source: [sdgs.un.org](https://sdgs.un.org)



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# Impacts of Climate Change on the achievement of SDGs



Source: Fuso Nerini, F., Sovacool, B., Hughes, N. et al. Connecting climate action with other Sustainable Development Goals. *Nat Sustain* 2, 674–680 (2019) (Figure 1)

*“Progress in limiting the global temperature can make achieving many of the SDGs a lot easier.”*



Photo by [Karsten Würth](#) on [Unsplash](#)



UN Photo/Eskinder Debebe

*“The implementation of certain SDGs would significantly contribute to achieving SDG 13 and the goals of the Paris Agreement.”*



# Synergies and trade-offs between Climate Action and SDGs

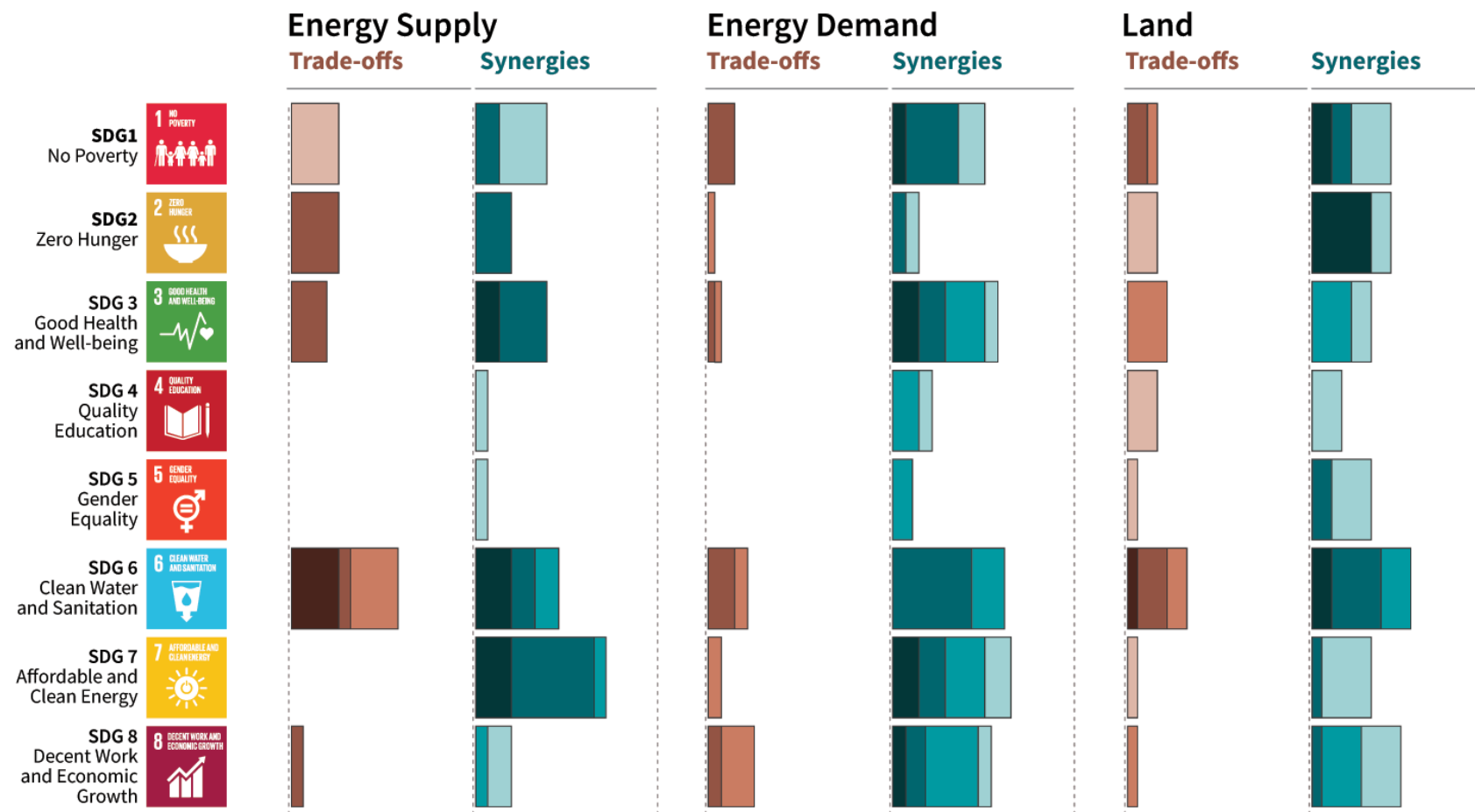


Source: Fuso Nerini, F., Sovacool, B., Hughes, N. et al. Connecting climate action with other Sustainable Development Goals. *Nat Sustain* 2, 674–680 (2019) (Figure 2)





# Indicative linkages between mitigation options and SDGs

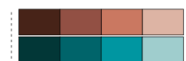


Length shows strength of connection



The overall size of the coloured bars depict the relative potential for synergies and trade-offs between the sectoral mitigation options and the SDGs.

Shades show level of confidence

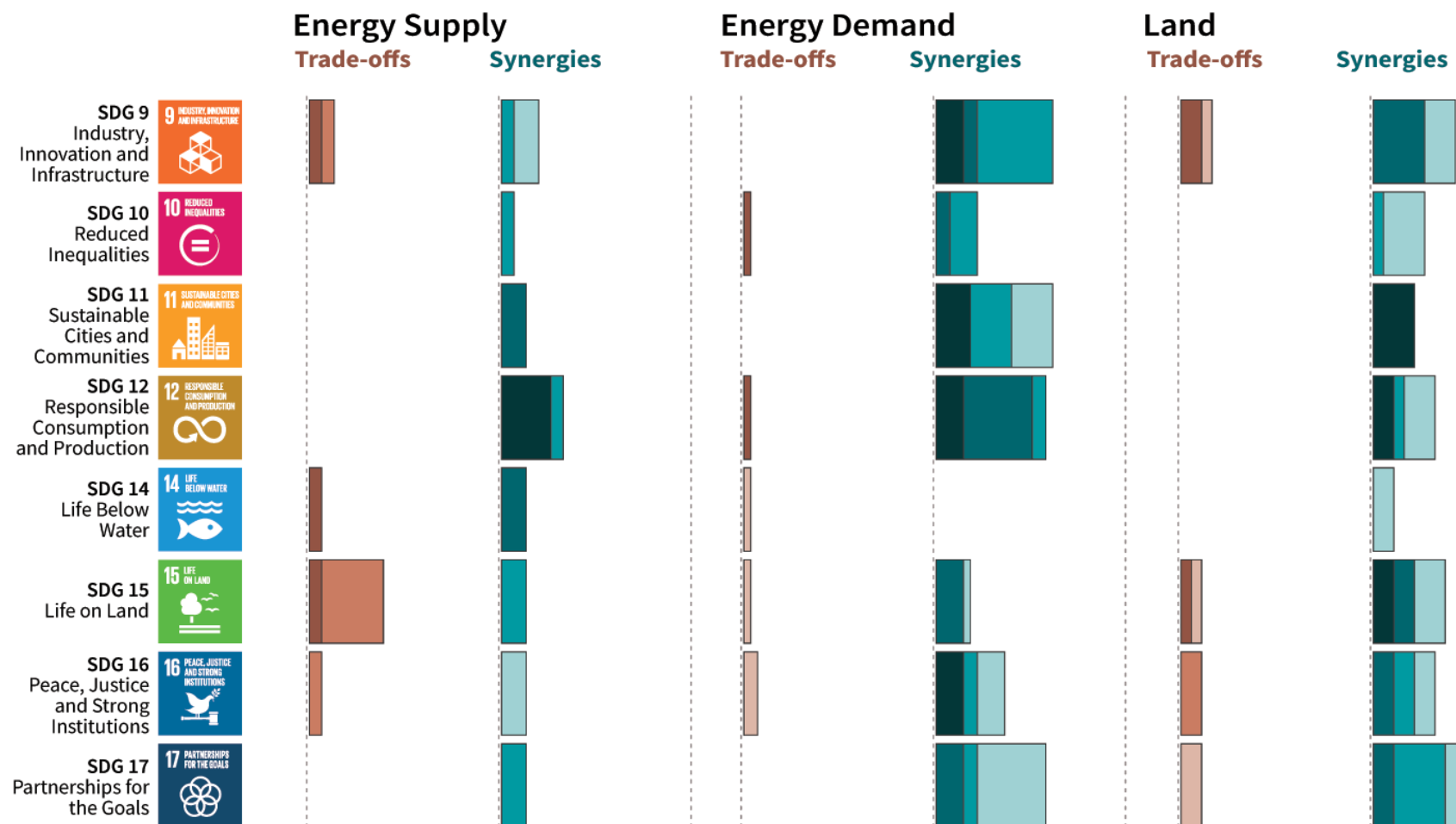


Very High Low

The shades depict the level of confidence of the assessed potential for Trade-offs/Synergies.

Source: [IPCC SR15 chapter 5](#) (Figure SPM.4)

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Source: [IPCC SR15 chapter 5](#) (Figure SPM.4)



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# Tools for mapping and analyzing Climate Action & SDGs linkages

Tool	Direction	Entry points	Evidence used	Note on methodology	Uses / when is the tool most helpful?
UN-DESA: mapping linkages among SDGs (2015)	SDG → SDG	SDG targets	keywords	Textual analysis of the wording in the targets to establish connections between targets and goals, which are then visually represented using network analysis techniques.	Understand overall interconnections between SDGs through targets.
WRI: NDC-SDG Linkages Database on ClimateWatch (2016)	SDG ↔ NDC	SDG targets, NDCs	keywords and NDC activities	Textual analysis of countries' NDCs using keywords and identifying specific activities within the NDCs. Linkages can be visualized on the Global Linkage Map, through individual Country Pages, and searchable NDC Content pages.	Broad-based overview of how NDCs address specific SDG targets at global and national levels. Identify potential partnerships around specific NDC-SDG linkages.
TERI: SDG Footprint of the NDCs (2017)	SDG ↔ NDC	SDG targets, NDCs	keywords and NDC activities	Calculates an index of the strength of linkage based on: whether SDGs are mentioned in the NDC; whether there is a keyword match and whether the matching keyword is in the NDC's background section or its goals; whether the matching keyword in the NDC is qualitative or quantitative; and whether the NDC goal provides a quantification of an SDG target.	Broad-based overview of the linkages between NDCs and SDG targets at national and regional levels, and linkages between SDGs and climate change.
DIE and SEI: SDG-NDC Connections	NDC → SDG	SDG targets, NDCs, SDG themes	NDC activities, SDG indicators	NDCs were analyzed to identify specific activities, which were then classified using a number of criteria (including relevance to SDG target indicators) to establish linkage to SDG targets.	Broad-based overview of how NDCs address specific SDG targets at global and national levels. Identify potential partnerships around specific NDC-SDG linkages.

Source: *Global Conference on Strengthening Synergies Summary Report* (Table 4.2)





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New Climate Institute, ECN, TNO, Climate Analytics, GIZ: SDG Climate Action Nexus (SCAN)	Climate actions → SDG	mitigation and adaptation actions, SDG targets	activities, existing literature on climate-development links	Mitigation and adaptation actions were classified by type of activity and sectors and a matrix of activities and linkages to SDG targets was created based on peer-reviewed literature and expert reviews. The linkages are classified as either positive or negative.	Develop deeper understanding of whether specific mitigation or adaptation actions are likely to reinforce or undermine a particular SDG or SDG target.
Pradhan et al. (2017): A Systematic Study of SDG Interactions	SDG → SDG	SDG indicators	SDG indicator datasets from 227 countries	Statistical analysis on the UN Statistics Division's indicator data sets for tracking progress on the SDGs to identify the extent and strength of synergies and trade-offs across pairs of SDG indicators.	Understand interactions between SDG indicators.
UNDP: Climate Action Impact (CLIP) Tool	Climate actions → SDG	climate actions and projects	activities, indicators used to track activities	Activities are classified according to impact categories that are linked to the relevant SDGs. Each category is associated with a set of indicators with descriptive, qualitative and quantitative information requirements. (All information requested from users is voluntary, though at a minimum, it should include all qualitative sections, and it is recommended that they further include quantitative information with indicative targets.) The tool then compiles and visualizes potential sustainable development impacts of the climate action or project.	Guide policy-makers or project implementers in determining likely sustainable development impacts of specific mitigation or adaptation projects and track those impacts over time.

Source: *Global Conference on Strengthening Synergies Summary Report* (Table 4.2)



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# Way forward

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- **Link Climate Action and Sustainable Development**
  - Align climate change measures with the SDGs, and vice versa
  - NDC has already SD component in many countries.
- **Maximize Synergies and Minimize Trade -offs**
  - Think in systems/ Analyze synergies and trade-offs
  - Integrated plans and strategies
- **Decentralized Multi -level approach for policy coherence**
  - Key role of subnational and local gov., local communities and indigenous people
  - Bottom -up inclusive approach can drive policy coherence solutions



## The United Nations Office for Sustainable Development (UNOSD)

- **Established in 2011**

- **Focusing on**

- Knowledge Exchange
- Capacity Building
- Research and Advisory Services
- Partnerships

[www.unosd.un.org](http://www.unosd.un.org)





# Thank you

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