

Chemist Clara

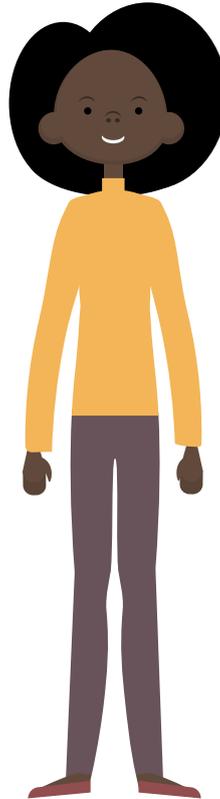
Life, activities, and motivation

Clara studied chemistry and completed a PhD in **environmental forensics**, focusing on the analysis of chemical pollutants in the environment.

As a research associate, she participates in several large-scale research projects that investigate **microplastics** in cosmetics and their effects on the environment.

Clara is active in regional initiatives promoting **sustainable consumption** and low pollution consumer products. She is currently founding a **zero-waste initiative**, which aims to raise awareness about environmental responsibility through lectures and educational events at schools and in the wider community.

She aims to reach an even broader audience by sharing her expertise and insights in **videos on YouTube** and other social media platforms.



Main focus: Pollutant-free environment and health

"People and all living beings—both locally and globally—need an environment where they can live healthily and that supports their physical, mental, spiritual, and social well-being."

Expert knowledge



Our physical as well as mental health influences the economy (SDG8)



Clean and uncontaminated water is essential for our health (SDG3)

6a Promoting research for clean drinking water



Clean drinking water is a matter of course in this country. Around 4.5 billion cubic meters are consumed in Germany every year. Per capita, that's about 120 liters a day. More than two-thirds of this volume comes from groundwater. But how safe are these vital underground water reservoirs in the face of intensive land use, environmental pollution and climate change? Scientists at Friedrich Schiller University Jena are investigating this question with partners in the Collaborative Research Center (CRC) "AquaDiva".



+ 4%



+ 2%

Cost: 4 budget points

Frequency: maximum 3x playable

14c Extension plastic ban



Between 4.8 and 12.7 million tons of plastic, or 2 - 5% of total plastic production, enter the oceans each year. According to these statistics, there are already over 150 million tons of plastic in the sea.

From July 2020, certain plastic products may therefore no longer be sold throughout the EU. Packaging films, the largest proportion of packaging plastics, have so far been excluded. The bans are therefore also to be extended to certain applications of plastic foil.



+ 6%



+ 6%



+ 3%

Cost: 2 budget points

Frequency: maximum 1x playable

3b Implementation of the air pollution control program



To achieve a reduction in emissions, environmental zones, drive-through restrictions and clean air plans are being put in place. In addition, building walls are coated with a photocatalytic coating. These walls attract and bind nitrogen oxides when they are illuminated by the sun. The installation of moss walls also helps to further reduce fine dust pollution in German cities, as mosses have a large leaf surface and are particularly good at binding fine dust.



+ 6%

Cost: 6 budget points



+ 3%

Frequency: playable as often as desired

2a Promotion of organic farming



In industrialized countries such as Germany, the effects of modern, conventional agriculture, e.g. high nitrate inputs, monotonous, cleared landscapes or pesticide residues, are clearly felt. The entry into force of a stricter fertilizer law will further reduce the impact of conventional agriculture. This development is reinforced by government subsidies for organic farming. This also contributes to the goals set by the German government in the European Green Deal, as well as in the Climate Protection Plan.



2

ZERO
HUNGER

+ 8%



12

RESPONSIBLE
CONSUMPTION
AND PRODUCTION

+ 2%



14

LIFE
BELOW WATER

+ 2%

Cost: 6 budget points

Frequency: maximum 5x playable

Condition: Action 17c was played

6b Development of biological pest control



To promote organic farming, government and commercial research institutions are working to develop a method of biological pest control. In order for the method to quickly establish itself on the market, it is being subsidized by the state. Once the method is launched on the market, the positive effects will be seen in the next few years.



2

ZERO HUNGER

+ 2%



9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

+ 2%

Cost: 7 budget points

Frequency: maximum 1x playable

Condition: Action 2a was played



Subsequent Incident "Wide use of biological pest control" after 3 rounds



2

ZERO HUNGER

+ 8%



6

CLEAN WATER AND SANITATION

+ 3%



12

RESPONSIBLE CONSUMPTION AND PRODUCTION

+ 3%

3a Global pandemic response



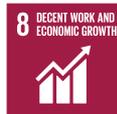
For all the need for rapid containment and mitigation of the Corona crisis in Germany and the EU, there is also an urgent need for international solidarity for developing countries, for crisis regions and for refugee camps, as the people there are particularly poor and vulnerable. The German government is making funds available for international aid measures and is ensuring that these are quickly brought to bear. This is also an essential contribution to preventing a resurgence of the pandemic as a result of mutations.



+ 5%



+ 3%



- 2%

Cost: 7 budget points

Frequency: maximum 2x playable

15a Biodiversity Awareness Campaign



A Germany-wide educational campaign on biodiversity by the “Naturschutzbund Deutschland e.V.” (Nature and Biodiversity Conservation Union) is raising awareness of animal and climate protection among the general public. The campaign is aimed at all age groups, from kindergarten children to senior citizens in all educational levels. Afterwards, they are much more careful and considerate of their environment.



+ 3%

Cost: 2 budget points



+ 2%

Frequency: maximum 2x playable

2b Educational campaign on malnutrition



With the launch of a new measure by IN FORM, the initiative for healthy nutrition, both daycare and kindergarten children, as well as their parents, are educated playfully about proper nutrition in free workshops. The initiative is offered nationwide and on a permanent basis and helps prevent malnutrition and overeating. The German government supports the initiative with a small amount of funding.



+ 3%

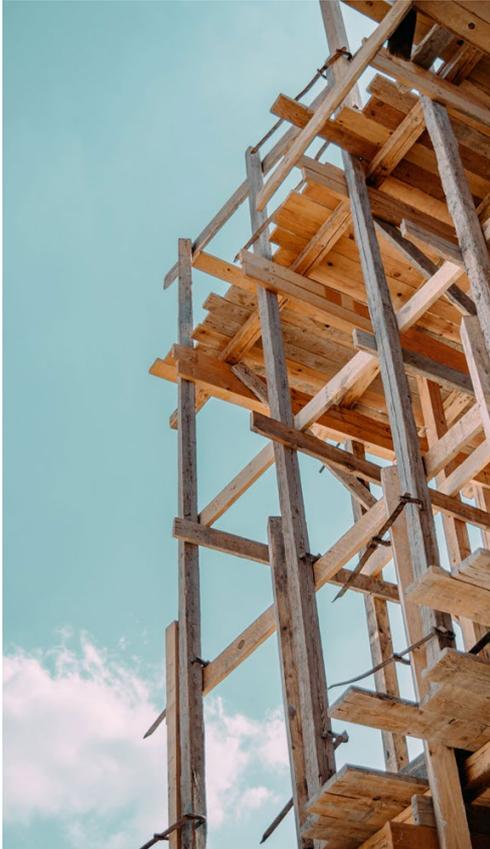


+ 2%

Cost: 1 budget point

Frequency: playable as often as desired

12c Climate-neutral construction



By 2045, the entire building stock in Germany must become climate-neutral. In construction, climate neutrality means that no new CO₂ emissions are generated during the production or renovation of a building. However, climate neutrality in house construction has a second aspect, which relates to later living in the building. In order to meet these challenges, the Federal Support for Efficient Buildings (BEG) was introduced.



+ 5%



+ 3%



- 2%

Cost: 7 budget points

Frequency: playable as often as desired

3d Strengthening the healthcare system



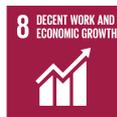
The Corona pandemic has brought the healthcare system in Germany to the limits of its capacity. In addition to the shortage of materials and intensive care beds, the main reason for this is the lack of qualified personnel. To be better prepared for future crises, investments are to be made in the working conditions and pay of medical staff. In addition, forward-looking crisis management is to be expanded and the supply chain for necessary medical materials and medicines secured.



+ 5%



+ 2%



- 2%

Cost: 5 budget points

Frequency: playable as often as desired

Additional budget for investments



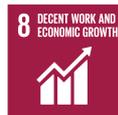
The “debt brake“ regulates that the federal government may only take out new loans to a very limited extent, namely a maximum of 0.35 percent of economic output. This rule has been anchored in the Basic Law since 2009 and can only be temporarily lifted in emergency situations. The Bundestag used this in 2020 to allow high borrowing to deal with the Corona crisis.

Based on the positive experience and the urgent investments to address the climate crisis, the law will be fundamentally reformed in 2022. This will make it possible to raise debt to address the climate crisis and its consequences.



+ 30 BP

Cost: 0 budget points (BP)



- 7%

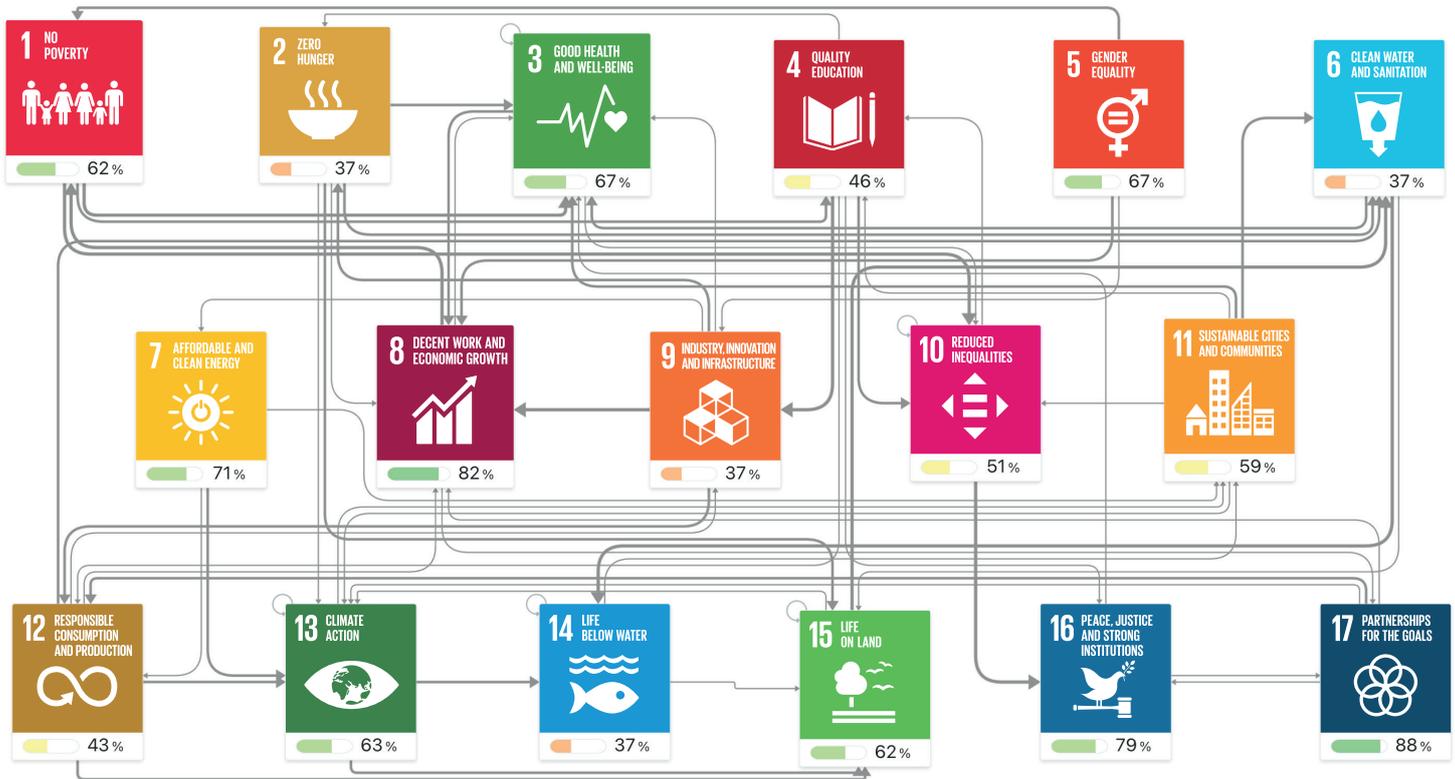
Frequency: maximum 4x playable

Condition: SDG8 > 50%
available from round 3



The 17 Sustainable Development Goals (SDGs)

with their interactions and initial states 2021



The 17 Sustainable Development Goals (SDGs)

and their relevance in the national context



End **financial poverty** and reduce the risk of poverty through secure material, **social, and cultural participation**.



Ensure safe, **healthy, and balanced nutrition** for all, based on sustainable, resilient, and regenerative **agriculture**.



Ensure easily accessible, high-quality **medical and nursing care** as well as prevention through digitalization and innovation.



Ensure equal opportunities at all levels of education and structurally embed **education for sustainable development (ESD)** across all areas of learning.



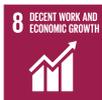
Ensure **equal participation** of women in the labour market, prevent gender-based violence, and support women affected by violence.



Improve **water and aquatic ecosystem quality** (e.g., by reducing nitrate and phosphate inputs) and support global water security.



Advance the **energy transition** through efficient energy use, reduced energy consumption, and the further expansion of renewable energy generation.



Promote inclusive and sustainable economic growth, ensure **decent work** and high levels of employment, and support **sustainable supply chains**.



Strengthen **technical and social infrastructure**, maintain industrial competitiveness, and promote an open **culture of innovation**.



Ensure the **economic and social participation** of all citizens and promote inclusion, **equal opportunities**, and freedom from discrimination.



Ensure resource-efficient and **inclusive infrastructure** (mobility, housing, waste management) through **resilient urban development** with a focus on the common good.



Decouple **resource consumption** from economic growth, advance the **circular economy**, and take responsibility along global supply chains.



Achieve the goals of the **Paris Agreement** and reach greenhouse gas neutrality, while strengthening research on climate, **climate action, and climate adaptation**.



Ensure the **protection of oceans and coasts**, reduce nutrient inputs, and tackle illegal fishing, environmental damage, and marine litter.



Ensure the **protection and restoration of ecosystems**, promote sustainable forestry, and halt the accelerating loss of **biodiversity**.



Strengthen multilateral cooperation and promote **peace and the rule of law** for crisis prevention and conflict resolution.



Strengthen the **technology and innovation transfer**, support value-based trade policies, and promote international and civil society **partnerships**.