Top Six Sustainable Development Goals in Education at Wageningen University

At Wageningen University, the following six SDGs are strongly represented in the nineteen bachelor and thirty-one master programmes.

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<td>32</td>
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<th>RESPONSIBLE CONSUMPTION AND PRODUCTION</th>
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Wageningen University offers courses for students, including bachelor first and second year courses mainly in Dutch, third year courses in English, master courses in English, and also additional optional courses in English. Only English language courses are included here. During their bachelor, students can focus on specific aspects of the SDGs by following a BSc Minor, or following optional courses. During their master, students can follow optional courses that focus on specific SDGs. Students write a thesis at the conclusion of the master programme which is often SDG-related.

Professional post-academic and online courses also devote considerable attention to the SDGs. Wageningen University & Research educates professionals around the world by offering high quality knowledge on healthy food and the living environment. WUR focuses on ‘lifelong learning’ educational ecosystems, ranging from MBAs and postgraduate study programmes to summer schools, and online courses. Wageningen Academy and Wageningen Centre for Development Innovation offer courses for professionals around the world to tackle the major global challenges our society faces. Wageningen University & Research also offers online courses via WageningenX and Massive Open-access Online Courses.

"We educate students to become academic professionals, who can contribute to sustainable solutions for existing and future complex issues in the domain of healthy food and living environment all over the world, and who take their social, personal and ethical responsibilities seriously."
How can we end hunger, achieve food security, improve nutrition, and promote sustainable agriculture? How can we make food production more sustainable? How can we improve food quality to ensure nutritious and sustainable food? Which best practices in animal husbandry can we promote? How can we reduce food waste? How can we apply innovations to harness the latest technological efficiencies? Our students learn about the variety of factors that influence food and nutrition security in the future. They learn about improving food production, better utilization of resources, reducing food waste, improving food management from farm to plate, better food nutrition, and food safety. Students learn about food security issues and how to seek solutions to these challenges.

Thirty-two education programmes focus on food security issues.

**Bachelor programmes with a focus on SDG 2**

- Animal Sciences
- Agrotechnologie
- Bedrijfs- en consumentenwetenschappen
- Communicatie en Life Sciences
- Economie en Beleid
- Food Technology
- International Land and Water Management
- Internationale Ontwikkelingsstudies
- Marine Sciences
- Moleculaire Levenswetenschappen
- Plantenwetenschappen
- Voeding en Gezondheid

**Master programmes with a focus on SDG 2**

- Animal Sciences
- Aquaculture and Marine Resource Management
- Biosystems Engineering
- Bioinformatics
- Communication, Health and Life Sciences
- Climate Studies
- Data Science for Food and Health
- Development and Rural Innovation
- Economics of Sustainability
- Food Quality Management
- Food Technology
- International Land and Water Management
- International Development Studies
- Landscape Architecture and Planning
- Metropolitan Analysis, Design and Engineering
- Molecular Life Sciences
- Nutrition and Health
- Organic Agriculture
- Plant Biotechnology
- Plant Sciences

**BSc Minors**

- BSc Minor Freedom from Hunger (WUFFH)
- BSc Minor Foods of Animal Origin (WUFAO)

**Courses for Students**

- Food Systems for Healthier and Sustainable Diets
- Globalization and Sustainability of Food Production and Consumption
- Designing Sustainable Food Based Dietary Guidelines
- Methodologies for Reading Sustainable Foodscape
- Product & Process Design-Evaluation o/a Product Concept f/a Sustainable Food Processing Perspective
- Sustainable Food and Bioprocessing
- Sustainable Food and Bioprocessing - Exergy analysis
- Sustainable Food and Bioprocessing - Flow and pinch analysis
- Social Transformations towards Sustainable Food Systems
- Sustainable Food Security: Crop Production
- Sustainable Food Security: The value of systems thinking
- The Politics of Healthy and Sustainable Food
- Sustainable Seaweed Chains
Sustainability Assessment of Animal Systems
Sustainability in Fish and Seafood Production
Sustainability in Food Chains
Analysing Sustainability of Farming Systems
Perspectives on Sustainability Transitions in Agriculture
Beyond Sustainability: Theorizing Post- & Anti-Capitalist Food Futures
Sustainability and Resilience in History

Courses for Professionals (continuing education)
Courses about Agriculture
Courses about Fisheries
Courses about Food and Nutrition
Courses about Entrepreneurships and Markets

Tailor-made Training courses

Individual courses:
Inclusive and Sustainable Food Systems for a Food Secure Future
Governance and Food Safety in International Food Chains
Climate Change Adaptation in Food Security and Natural Resource Management
Facilitating Multi-Stakeholder Collaboration for Food, Agriculture and Nature
Animal Courses
Food Courses
Plant Courses
Food Systems and Sustainable Business
Executive MBA in Food & Agribusiness
Sustainable Environment Courses
Masterclass Food & Agri Principles for Financials
Online Summer School From Farm to Fork: New Technologies and Trends
Online Summer School Biotechnology, Agriculture and Food
Summer School Green Genetics
Sustainable & Healthy Nutrition
Food Environments for Healthy Sustainable Diets
Agriculture, Horticulture and Animals
Master’s Courses on Food Technology

Wageningen edX courses and Massive Open-access Online Courses (MOOCs)

XSeries Program in Food Security and Sustainability
Plant Based Diets: Food for a Sustainable Future
Sustainable Food Security: Crop Production
Sustainable Food Security: The value of systems thinking
Sustainable Food Security: Food Access
Professional Certificate in Food, Nutrition and Health
Food and nutrition security in urbanizing landscapes
How can we ensure healthy lives and promote well-being for all at all ages? How is health affected by lifestyle and by food consumption choices? How does the social and physical environment affect health? How do we help promote consumption of nutritious food? How can we encourage people to choose healthier lifestyles? How can we apply advancements in health sciences to improve health information? Our students learn about human health impacts with respect to food composition, production, and consumption. Students learn how to seek solutions to these challenges.

Twenty-eight education programmes focus on Good Health and Well-being.

**Bachelor programmes with a focus on SDG 3**
- Animal Sciences
- Biologie
- Biotechnologie
- Communicatie en Life Sciences
- Environmental Sciences
- Gezondheid en Maatschappij
- Moleculaire Levenswetenschappen
- Plantenwetenschappen
- Voeding en Gezondheid

**Master programmes with a focus on SDG 3**
- Animal Sciences
- Bioinformatics
- Biotechnology
- Communication, Health and Life Sciences
- Climate Studies
- Data Science for Food and Health
- Environmental Sciences
- Food Quality Management
- Food Safety
- Food Technology
- Landscape Architecture and Planning
- Metropolitan Analysis, Design and Engineering
- Molecular Life Sciences
- Nutrition and Health
- Organic Agriculture
- Plant Biotechnology
- Plant Sciences
- Urban Environmental Management
- Water Technology

**BSc Minors**
- BSc Minor Communication, Health and Society (WUCHS)
- BSc Minor Global One Health (WUGOH)
- BSc Minor Nutrition and Health (WUNHE)
- BSc Minor Healthy Aging in Humans and Model Species (WUHAH)

**Theses**
- Theses on Good Health and Well-being
- Theses on Health
- Theses on Nutrition
- Theses on Lifestyle
- Theses on Elderly

**Online Master programmes**
- Online Master's Food Technology
- Online Master's Nutritional Epidemiology and Public Health
- Online Master's Plant Breeding

**Courses for Students**
- Comparative Health Problems and Policies
- Concepts and Theories of Healthy Aging
- Development and Healthy Aging
- Eating, Customs and Health
- Epidemiology and Public Health Policies
- Ethics, Health and Society
- Evaluation of Public Health Interventions
Courses for Professionals (continuing education)

**Global One Health: towards Human, Animal and Plant Health**

**Nutritional value and sustainability**

**Dairy, nutrition and health**

**Food Environments for Healthy Sustainable Diets**

Wageningen edx courses and Massive Open-access Online Courses (MOOCs)

**Nutrition and Cancer**

**Nutrition, Heart Disease and Diabetes**

**Nutrition and Health: Human Microbiome**

**Professional Certificate in Nutrition and Disease**

**Professional Certificate in Food, Nutrition and Health**
How can we make cities and human settlements inclusive, safe, resilient, and sustainable? How can cities cope better with the consequences of global warming, water shortages, increasing energy requirements, and increased demand for water and food? How can we tackle the environmental problems created by growing urbanization for air and water quality, and for waste removal? Our students learn about providing urban green infrastructure and how to adapt the urban ecosystem to improve the quality of life for the growing urban population. Students learn how to seek solutions to these challenges.

Twenty-three education programmes focus on Sustainable Cities and Communities.

**Bachelor programmes with a focus on SDG 11**
- **Bos- en Natuurbeheer**
- **Communicatie en Life Sciences**
- **Economie en Beleid**
- **Environmental Sciences**
- **Gezondheid en Maatschappij**
- **International Land and Water Management**
- **Internationale Ontwikkelingsstudies**
- **Landschapsarchitectuur en Ruimtelijke Planning**
- **Marine Sciences**
- **Tourism**
- **Voeding en Gezondheid**

**Master programmes with a focus on SDG 11**
- **Climate Studies**
- **Communication, Health and Life Sciences**
- **Development and Rural Innovation**
- **Economics of Sustainability**
- **Environmental Sciences**
- **Forest and Nature Conservation**
- **Geo Information Science**
- **Governance of Sustainability Transformations**
- **International Development Studies**
- **Landscape Architecture and Planning**
- **Metropolitan Analysis, Design and Engineering**
- **Urban Environment Management**

**BSc Minors**
- **BSc Minor Urban Environmental Management (WUUEM)**

**Courses for Students**
- **Sustainable Urban Development: Discover Advanced Metropolitan Solutions**
- **Governance for Sustainable Cities**
- **Co-creating Sustainable Cities**
- **Metropolitan Challenges**
- **Metropolitan Solutions**
- **Metropolitan Innovators**
- **Basic Technologies for Urban Environmental Management**
Courses for Professionals (continuing education)

Sustainable Environment Courses

Co-Creating Sustainable Cities

Sustainable Urban Development

Professional Certificate in Sustainable & Inclusive Landscapes

Landscape Leadership: Catalyse Sustainable Development in Landscapes

XSeries Program Tourism in Transition: Exploring a Sustainable Future

Sustainable Tourism: Rethinking the future

Urban rewilding: restore your local ecosystem

Transformative Citizen Science for Sustainability
How can we ensure sustainable consumption and production patterns? How can we make food production more efficient in terms of the use of scarce resources and reduce wastage? How can we reuse products and reclaim natural resources? How can we utilize all produced biomass to the maximum extent? How can we implement circularity and climate neutrality within the agri-food system? How can we improve food production processes with technological innovations to reduce energy and water consumption and damage to the ecosystem? Our students learn about the circular economy and about sustainable consumption and production practices for a better quality of life. Students learn how to seek solutions to these challenges.

Thirty-eight education programmes focus on this SDG.

**Bachelor programmes with a focus on SDG 12**
- Animal Sciences
- Agrotechnologie
- Bedrijfs- en consumentenwetenschappen
- Bos en Natuurbeheer
- Environmental Sciences
- Food Technology
- International Land and Water management
- Internationale Ontwikkelingsstudies
- Plantenwetenschappen
- Voeding en Gezondheid
- Tourism

**Master programmes with a focus on SDG 12**
- Animal Sciences
- Biosystems Engineering
- Bioinformatics
- Biotechnology
- Communication, Health and Life Sciences
- Climate Studies
- Consumer Studies
- Development and Rural Innovation
- Economics of Sustainability
- Environmental Sciences
- Forest and Nature Conservation
- Food Quality Management
- Food Safety
- Food Technology
- Geo Information Science
- Governance of Sustainability Transformations
- International Land and Water Management
- International Development Studies
- Landscape Architecture and Planning
- Metropolitan Analysis, Design and Engineering
- Organic Agriculture
- Plant Biotechnology
- Plant Sciences
- Sustainable Business and Innovation
- Sustainable Supply Chain Analytics
- Tourism, Society and Environment
- Urban Environmental Management

**BSc Minors**
- BSc minor Sustainable Agriculture and Consumption (WUSAC)
- BSc minor Economics of Sustainable Development (WUESD)
- BSc Minor Biobased Sciences (WUBBS)
- BSc Minor Development, Policies and Globalization (WUDPG)

**Online Master programmes**
- Online Master’s Food Technology
- Online Master’s Plant Breeding
- Master thesis
  - Theses on Responsible
  - Theses on Responsible Production
  - Theses on Responsible Consumption
  - Theses on Sustainable Production
  - Theses on Waste Management
Courses for Students

Business theories and Sustainability

Consumer studies for Sustainability

Critical Reflections on Sustainable Business

Communicating for Sustainability and Responsible Innovation

Behavioural Economics for Sustainability

Sustainable Marketing

Economic modelling of sustainability challenges

Economics of EU policies for sustainability transitions

Leading and Organizing for Sustainability

Persuasion in Consumer Communication for Sustainability

Responsible Learning Organization for Sustainability

Sustainability Analysis

Analytical Methods for Sustainable Business and Innovation

Courses for Professionals (continuing education)

Courses about Entrepreneurships and Markets

Facilitating Multi-Stakeholder Collaboration for Food, Agriculture and Nature

Sustainable Environment Courses

Wageningen edX courses and Massive Open-access Online Courses (MOOCs)

MicroMasters® Program in Chemistry and Technology for Sustainability

MicroMasters® Program in Business and Operations for a Circular Bio-Economy

Circular Fashion: Design, Science and Value in a Sustainable Clothing Industry

Capstone Chemistry and Technology for Sustainability

Circular Economy: An Interdisciplinary Approach
How can we take urgent action to combat climate change and its impacts? How do we separate climate fact from fiction in these uncertain times? What is causing global warming, and how can we assess the risks it poses to society? What will be the impact of global warming on physical and biological systems? How can we combat the impact of climate change? What are green climate solutions, and can we move to climate-smart agriculture? How can we make the planet and people resilient in the face of the effects? Our students learn about the consequences of climate change and the numerous ways in which cities and people can adapt, how better water management practices can be applied in agriculture, and how to design better coping strategies. Students learn how to seek solutions to these challenges.

Twenty-eight education programmes focus on this SDG.

**Bachelor programmes with a focus on SDG 13**

- Biologie
- Bos- en Natuurbeheer
- Communicatie en Life Sciences
- Economie en Beleid
- Environmental Sciences
- International Land and Water Management
- Internationale Ontwikkelingsstudies
- Landschapsarchitectuur en Ruimtelijke Planning
- Marine Sciences
- Soil, Water, Atmosphere
- Tourism
- Voeding en Gezondheid

**Master programmes with a focus on SDG 13**

- Biology
- Biobased Sciences
- Communication, Health and Life Sciences
- Climate Studies
- Development and Rural Innovation
- Earth and Environment
- Economics of Sustainability
- Environmental Sciences
- Governance of Sustainability Transformations
- International Development Studies
- International Land and Water Management
- Landscape Architecture and Planning
- Organic Agriculture
- Plant Biotechnology
- Plant Sciences
- Urban Environmental Management

**BSc Minors**

- BSc Minor Climate Change: Mitigation and Adaptation (WUCLC)
- BSc Minor Development, Policies and Globalization (WUDPG)

**Online Master programmes**

- Online Master’s Plant Breeding

**Master thesis**

- Theses on Climate
- Theses on Climate Action
- Theses on Drought
- Theses on Flood Resilient
- Theses on Global Warming
Courses for Students

Adaptation to Climate Change
Biogeochemical Cycles and Climate Change Mitigation
Climate Change Adaptation in Water Management
Climate Change Ecology
Climate Change studies topics and approaches
Design of Climate Change Mitigation and Adaptation Strategies
Principles of Climate Change Economics and Policy
System Earth: Climate and Global Change

Courses for Professionals (continuing education)

Courses about Climate and Environment
Climate Impact Assessments

Wageningen edX courses and Massive Open-access Online Courses (MOOCs)

Environmental Gamechanger – Lead the Way to Sustainable Development
Climate Action in Biodiverse Landscapes
Tourism and Climate Change
Sustainable Tourism: Rethinking the future
How can we protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation, and halt biodiversity loss? How do we ensure that we make sustainable use of the finite resources on land? How can we prevent the serious depletion of natural resources in the production processes of biomass? How can we improve and encourage biobased and circular production? Our students learn about the processes and consequences of deforestation, desertification, biodiversity loss, and loss of sustainable land and habitat caused by human activities. Students learn how to seek solutions to these challenges.

Twenty-two education programmes focus on this SDG.

**Bachelor programmes with a focus on SDG 15**
- Animal Sciences
- Agrotechnologie
- Biologie
- Bos en Natuurbbeheer
- Communicatie en Life Sciences
- Economie en Beleid
- Environmental Sciences
- International Land and Water Management
- Plantenwetenschappen
- Soil, water and Atmosphere
- Tourism

**BSc Minors**
- BSc Minor Wildlife Biodiversity (WUWLB)
- BSc Minor Forest and Nature Conservation (WUFNC)
- BSc Minor Ecosystem services of insects (WUEBC)
- BSc Minor Management of Terrestrial Ecosystems (WUMTE)
- BSc Minor Earth and Biosphere (WUEAB)
- BSc Minor Natural Resource Conflict and Governance (WUNCG)

**Courses for Students**
- Agrobiodiversity
- Biodiversity of The Netherlands
- Biosystematics, Evolution and Agrobiodiversity
- Governance for Forest, Nature and Biodiversity
- Sustainable Solutions to Environmental Problems

**Master programmes with a focus on SDG 15**
- Animal Sciences
- Biosystems Engineering
- Biology
- Climate Studies
- Communication, Health and Life Sciences
- Earth and Environment
- Economics of Sustainability
- Environmental Sciences
- Governance of Sustainability Transformations
- International Land and Water Management
- Landscape Architecture and Planning

**Master thesis**
- Theses on Biodiversity
- Theses on Ecology
- Theses on Forestry
- Theses on Nature conservation
- Theses on Natural resources
- Theses on Soil
Sustainable Soil Management: Soil4Life

Sustainable Land and Water Management in Spain

Environmental Education and Learning for Sustainability

Resource Dynamics and Sustainable Utilization

Courses for Professionals (continuing education)

Facilitating Multi-Stakeholder Collaboration for Food, Agriculture and Nature

Plant Courses

Summer School on Image Analysis for Plant Phenotyping

Wageningen edX courses and Massive Open-access Online Courses (MOOCs)

Sustainable Soil Management: Soil for life

Sustainable Tourism: Society & Environmental Aspects

Transformative Citizen Science for Sustainability

Landscape Governance: Collaborating Across Sectors and Scales

Landscape Leadership: Catalyse Sustainable Development in Landscapes

Landscape Finance: Investing in Innovation for Sustainable Landscapes

Animal Behaviour in Conservation

Agricultural Water Management: Water, Society and Technology Interactions