

The United Nations Sustainable Development Goals (SDGs)

50 Key phases from SciVal.com

SUSTAINABLE DEVELOPMENT GOALS



50 Key phases SDG 1 No Poverty			
Poverty	Income Inequality	Resilience	Social Work
Policy	Rural	Poverty Reduction	Microfinance
Income	Vulnerability	Financial Inclusion	Energy Poverty
Inequality	Poverty Alleviation	Sustainable Development Goal	Nigeria
Public Policy	India	Health Expenditures	Social Determinants of Health
Family Characteristic	Health Insurance	Food Insecurity	Ghana
Developing Countries	Economic Growth	Social Isolation	Bangladesh
Employment	Crisis	Welfare State	Pension System
COVID-19	Social Welfare	Africa	Pay Gap
China	Livelihoods	Republic of South Africa	Ethiopia
Welfare	Labour Market	Pensions	
Pandemic	Social Security	Migrant Workers	
Unemployment	Food Security	Indonesia	

50 Key phases SDG 2 Zero Hunger			
Agriculture	Triticum Turgidum Subsp. Durum	Precision Agriculture	Lycopersicon Esculentum
Crops	Rice	Biopesticide	Indonesia
Food Security	Sustainable Agriculture	Biological Control Agents	Ethiopia
Farmers	Genetic Variability	Soybean	Smallholder Farmers
Climate Change	Breeding	Cropping System	Stunting
Farm	Farming Systems	Soil Quality	Germplasm
Malnutrition	Drought	Smallholders	Intercropping
Sustainable	Agricultural Robots	Agroecosystems	Potato
Sustainability	Food Supply	Agroforestry	Cover Crop
Biological Pest Control	Land Cover	Organic Agriculture	Nutrition Assessment
Cultivar	Irrigation	Weeds	Agroecology
Zea Mays	Food Insecurity	Crop Rotation	
Nutrition	Livelihoods	Food Systems	

50 Key phases SDG 3 Good Health and Well-being			
Cancer	Metastasis	Pneumonia	Betacoronavirus
COVID-19	Cancer Therapy	Vaccination	Non-Small Cell Lung Carcinoma
Prognosis	Non Insulin Dependent Diabetes Mellitus	MicroRNA	Tuberculosis
Pandemic	Case Report	Colorectal Neoplasms	Stomach Neoplasms
Diabetes Mellitus	Systematic Review	Oncology	Melanoma
Biomarkers	Orthocoronavirinae	Middle East Respiratory Syndrome	Immune Checkpoint Inhibitors
Severe Acute Respiratory Syndrome Coronavirus 2	Severe Acute Respiratory Syndrome	Liver Cell Carcinoma	Long Noncoding RNA
Cancer Cell	Vaccine	Prostatic Neoplasms	Uterine Cervical Neoplasms
Breast Neoplasms	Immunotherapy	Virus Pneumonia	Pancreatic Neoplasms
Cancer Patients	Meta-Analysis	Tumor Microenvironment	Atrial Fibrillation
Obesity	Radiotherapy	Chronic Kidney Failure	Ovarian Neoplasms
Cardiovascular Disease	Human Immunodeficiency Virus 1	Brain Ischemia	
Stroke	Lung Neoplasms	Asthma	

50 Key phases SDG 4 Quality Education			
Students	COVID-19	Competence	University Students
Education	Learning Outcomes	Learning Environment	Internship and Residency
Teaching	Student Learning	Graduate	Sustainable Development Goal
Learning	Sustainable Development	Medical Education	Medical Students
Schools	Sustainability	Problem-Based Learning	Reading Comprehension
Universities	Pandemic	Teaching Assistant	Computer-Aided Instruction
Skills	Competency	Academic Performance	Inclusive Education
Teachers	Undergraduate Student	Literacy	Environmental Education
Training	Electronic Learning	Education Computing	Physical Education
Higher Education	Reading	Professional Development	Blended Learning
Curricula	E-learning	Vocational Education	Nursing Student
Distance Education	Academic Achievement	Teacher Training	
Classroom	Engineering Education	Residents	

50 Key phases SDG 5 Gender Equality			
Women	Mothers	Empowerment	MSM (semiconductors)
Human Immunodeficiency Virus 1	Victims	Abuse	Masculinity
Gender Identity	Domestic Violence	Contraception	Sexual Assault
Violence	Sexual Abuse	Violence against Women	Transgender Persons
Feminism	Sexism	Gender Gap	Gender Disparity
Sexual Health	COVID-19	Marriage	Vertical Transmission
Sexual	Leadership	Crime Victims	Sexual Harassment
Gender Equity	Sexually Transmitted Diseases	Pre-Exposure Prophylaxis	Child Abuse
Sexuality	Reproductive Health	Intersectionality	Ethiopia
Intimate Partner Violence	Sex Characteristics	Antiretroviral Therapy	Gender Diversity
Sexual Behavior	Gender Inequality	Family Planning Service	Child Sexual Abuse
Sexual and Gender Minorities	HIV Prevention	Systematic Review	
HIV Infection	AIDS/HIV	Gender-Based Violence	

50 Key phases SDG 6 Clean Water and Sanitation			
Wastewater Treatment	Irrigation	River Basin	Ecosystem Services
Waste Water	Sewage	Groundwater Contamination	Methylene Blue
Removal	Heavy Metal	Wetlands	Denitrification
Water Quality	Adsorbent	Organic Pollutants	Disinfection
Water Supply	Coloring Agent	Municipal Wastewater	Biochar
Adsorption	Membrane	Sanitation	Reverse Osmosis
Groundwater	Surface Water	Activated Sludge	Microalgae
Rivers	Biochemical Oxygen Demand	Photocatalyst	Constructed Wetland
Water Pollution	Waste Water Treatment Plant	Activated Carbon	Ferrous Gluconate
Drinking Water	Desalination	Nitrogen Removal	Bioenergy
Water Management	Lakes	Catchment Area (hydrology)	Chromium Hexavalent Ion
Effluent	Watershed	Bioremediation	
Water Resources	Remediation	Arsenic	

50 Key phases SDG 7 Affordable and Clean Energy			
Reservoir	Energy Conservation	Perovskite	Hydrogen Evolution
Electrode	Biofuel	Hydrogen Production	Bioenergy
Energy Efficiency	Wind Power	Storage System	Wind Farm
Renewable Energy	Electric Vehicle	Energy Systems	Solid Electrolyte
Solar Energy Conversion	Electrolyte	Photovoltaic System	Proton Exchange Membrane Fuel Cells (PEMFC)
Battery	Wind Turbine	Oil and Gas Fields	Hydrogen Storage
Lithium Battery	Fuel Cell	Electrocatalysts	Oxygen Evolution Reaction
Solar Cell	Solar Collector	Lithium Ion	Oxygen Reduction Reaction
Energy Storage	Energy Efficient	Inverter	Sodium-ion Batteries
Hydrogen	Converter	Perovskite Solar Cell	Solid Oxide Fuel Cell
Renewable Energy Source	Lithium	Charging (batteries)	Organic Solar Cells
Solar	Solar Generators	Hydrogen Evolution Reaction	
Solar Energy	Charging	Microgrid	

50 Key phases SDG 8 Decent Work and Economic Growth			
Sustainable Development	Employment	Sustainable Agriculture	Occupational Safety
China	Innovation	Renewable Energy	Life Cycle Assessment
Economic Growth	Ecological	Greenhouse Gas Emission	Circular Economy
Climate Change	COVID-19	Finance	Migrant Workers
Sustainability	Greens	Air Quality	Foreign Direct Investment
Economic Aspect	Sustainable Development Goal	CO2 Emissions	Fintech
Economic Development	Human Capital	Wages	Sustainable Tourism
Sustainable	Firm	Indonesia	Total Factor Productivity
Cities	Farmers	Ecotourism	Cultural Tourism
Agriculture	India	Entrepreneurship	Financial Inclusion
Personnel	Pandemic	Nexus	Financial Literacy
Tourism	Economic and Social Effects	Tourism Development	
Labour Market	Carbon Emissions	Ecosystem Services	

50 Key phases SDG 9 Industry, Innovation, and Infrastructure			
Industry	Digital	Carbon Emissions	Industrial Robot
Manufacturing	Artificial Intelligence	Industrial Research	Supply Chain Management
Sustainable	Wastewater Treatment	Circular Economy	Carbon Footprint
Three-Dimensional Printing	Life Cycle Assessment	Construction Industry	Digital Transformation
Innovation	Recycling	Resilience	Cyber Physical System
Sustainable Development	Machining	Industrial Revolution	Digital Twin
Sustainability	Supply Chain	Powder Bed Fusion	Sustainable Manufacturing
Infrastructure	Waste Water	Digitalisation	Smart Cities
Additive	COVID-19	Fused Deposition Modeling	Electric Discharge Machining
Industry 4.0	Robot	Selective Laser Melting	Open Innovation
Internet of Things	Greenhouse Gas Emission	Industrial Internet of Things (IIoT)	Laser Cladding
Waste	Robotics	Wire	
Greens	Printing	Blockchain	

50 Key phases SDG 10 Reduced Inequality			
Inequality	Emigration and Immigration	Medicaid	Social Determinants of Health
Women	Inclusion	Immigrants	Gender Inequality
COVID-19	Socioeconomic Factors	Social Class	Social Inclusion
Social Justice	Inequity	Health Equity	Income Inequality
China	Racial	India	Health Inequalities
Continental Population Groups	Public Policy	Ethnic	Healthcare Disparities
Income	Equity	Gender Identity	Inclusive Education
Pandemic	Gender Equity	Racial Disparities	Poverty Alleviation
Schools	Refugees	Disability	Gender Disparity
Poverty	Health Services Accessibility	Banks	Sexual and Gender Minorities
Health Disparities	Mental Health	Housing	E-health
Crisis	Financial Crisis	Health Insurance	
Migrant Workers	Racism	Higher Education	

50 Key phases SDG 11 Sustainable Cities and Communities			
Cities	Land Cover	Road Network	Motor Transportation
Urban	Disaster	Waste Management	Intelligent Transportation System
Urban Areas	Traffic	Resilience	Road Safety
China	Roads and Streets	Traffic Congestion	Transit
Vehicles	Seismic	Particulate Matter 2.5	Pedestrian
Urbanization	Housing	Green Infrastructure	Heavy Metal
Roads	Solid Waste	Ultrafine Particulate Matter	Urban Transportation
Earthquake	Internet of Things	Urban Growth	Public Space
Smart Cities	COVID-19	Water Quality	Ecosystem Services
Urban Planning	Cultural Heritage	Municipal Solid Waste	Heat Island
Air Quality	Motor Vehicles	Tourism	Landslide
Floods	Inheritance	Traffic Accidents	
Buildings	Public Transport	National Parks	

50 Key phases SDG 12 Responsible Consumption and Production			
Sustainable	Supply Chain	Solid Waste	Solid Waste Management
Sustainability	Forest	Biofuel	Coal Ash
Waste	Waste Disposal Facilities	Concretes	Green Building
Sustainable Development	International Organization for Standardization	Environmental Sustainability	Anaerobic Digestion
Waste Management	Sustainable Agriculture	Leaching	Environmental Education
Recycling	Circular Economy	Tourism Development	Construction and Demolition Waste
Tourism	Greenhouse Gas Emission	Ecotourism	Sustainability Assessment
Life Cycle Assessment	Forest Management	Food Waste	Sustainable Tourism
Climate Change	Municipal Solid Waste	Indonesia	Sustainable Manufacturing
Agriculture	Sustainable Development Goal	Agricultural Wastes	Biochar
Greens	Corporate Social Responsibility	Plastic Waste	E-waste
Buildings	Carbon Footprint	Supply Chain Management	
Waste Disposal	Compost	Waste Incineration	

50 Key phases SDG 13 Climate Action			
Climate Change	Drought	Life Cycle Assessment	Carbon Markets
Carbon Dioxide	Mitigation	Vulnerability	Energy Transition
Climate	Methane	Floods	River Basin
Carbon	Air Pollution Control	Co2	Climate Policy
Greenhouse Gas Emission	Carbon Sequestration	Energy Policy	Hydrogenation
Global Warming	Carbon Footprint	Carbon Capture	Synthesis Gas
CO2 Emissions	Renewable Energy Source	Climate Change Impact	Electrocatalysts
Greenhouse Gas	Gas Emissions	Energy Systems	Reforming Reactions
Carbon Emissions	Climate Models	Climate Change Adaptation	Coordination Polymer
Sustainable	Biofuel	Climate Change Mitigation	Biochar
Renewable Energy	Warming	Decarbonization	Carbon Dioxide Reduction
Sustainability	Emission Reduction	Electric Vehicle	
Fossil Fuel	Resilience	Sustainable Development Goal	

50 Key phases SDG 14 Life Below Water			
Fish	Plastics	Phytoplankton	Ocean Acidification
Seashore	Sea Pollution	Reefs	Microalgae
Oceans and Seas	Estuaries	Rhizophoraceae	Microplastic Pollution
Aquaculture	Bays	Indonesia	Mariculture
Coast	Lakes	Coral Reefs	Carps
Marine Environment	Wetlands	Coral	Oreochromis Mossambicus
Sediment	Oil Pollution	Indian Ocean	Marine Debris
Coastal Water	Phosphorus	Marine Protected Areas	Oncorhynchus Mykiss
Fisheries	Heavy Metal	Seaweed	South China Sea
Algal Bloom	Plastic Waste	Plastic Pollution	Penaeus Vannamei
Sea Water	Bivalvia	Red Tide	Salmo Salar
Water Quality	Shrimp	Fish Meal	
Microplastic	Growth Performance	Oreochromis Niloticus	

50 Key phases SDG 15 Life on Land			
Ecosystem	Restoration	Birds	River Basin
Conservation	Endangered Species	Land Use Change	Species Invasion
Forest	Forestry	Conservation Status	Wildlife Management
Biodiversity	Rivers	Predator	Indonesia
Climate Change	Ecosystem Services	Heavy Metal	Soil Erosion
Ecological	Landscape	Lakes	Afforestation
China	Environmental Restoration and Remediation	Plantation	Wildfire
Tree	Biodiversity Conservation	Soil Conservation	Sustainable Development Goal
Environmental Protection	Forest Management	Remediation	Rhizophoraceae
Bioremediation	Steppe	National Parks	Agroforestry
Introduced Species	Conservation Areas	Watershed	Loess
Vegetation	Wetlands	Reforestation	
Land Cover	Wildlife	Contaminated Soil	

50 Key phases SDG 16 Peace, Justice, and Strong Institutions			
Women	Corruption	Community Engagement	Freedom of Speech
Law	Crime	Participatory	Electronic Government
Human Rights	Pandemic	Social Media	Cyberbullying
Politics	Abuse	Rule of Law	Refugees
Violence	Social Justice	Police	Posttraumatic Stress Disorder
Victims	Intimate Partner Violence	Workplace Bullying	Political Participation
Citizens	Child Abuse	Homicide	Child Protection
COVID-19	Domestic Violence	Terrorism	Child Welfare
Rights	Democracy	Community-Based Participatory Research	Gender-Based Violence
Sexual Abuse	Courts	Sexual Assault	Sexual Harassment
Schools	Armed Conflict	Aggression	Child Sexual Abuse
Mental Health	Stakeholder Engagement	Fundamental Right	
Governance	Crime Victims	Violence against Women	

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