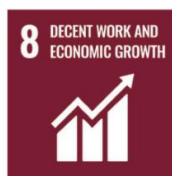


UN Sustainable Development Goals (SDGs) from a materials science perspective



1 NO POVERTY
Affordable materials able to be produced and recycled, enabling economic advancement



8 DECENT WORK AND ECONOMIC GROWTH
Resource-efficient use of materials for processes enabling an increased value of (raw) materials



2 ZERO HUNGER
Materials for safe and increased productivity of food, at the same time reducing food waste



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
Construct and operate infrastructure from sustainable functional materials



3 GOOD HEALTH AND WELL-BEING
Materials enabling good health and protection against hazardous compounds



10 REDUCED INEQUALITIES
Improved extraction and enabling methods for rare raw materials and developing replacement materials



4 QUALITY EDUCATION
Affordable low-tech and high-tech materials for life-long learning and education



11 SUSTAINABLE CITIES AND COMMUNITIES
Settlements built up from materials that are safe, resilient, and sustainable



5 GENDER EQUALITY
Materials enabling affordable security technology empowering women



12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Efficient (re)use/recycling of (natural) materials for sustainable production/consumption with lower chem release into soil, air and water



6 CLEAN WATER AND SANITATION
Materials to capture, clean, transport, pressurize, filter, purify, store, and detoxify water



14 LIFE BELOW WATER
Materials to protect and develop oceans, targeting marine ecosystems and food production



7 AFFORDABLE AND CLEAN ENERGY
Green materials for efficient technology and infrastructure to harvest, transport, store, and convert energy



15 LIFE ON LAND
Materials promoting reforestation, enrichment of soil, and restoration/maintenance of biodiversity