

# SUSTAINABLE DEVELOPMENT GOALS



## THE GLOBAL GOALS

# SUSTAINABLE DEVELOPMENT

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.



# WHAT IS SDG LOOKING FOR?

They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.



# GOALS

1 NO  
POVERTY



2 ZERO  
HUNGER



3 GOOD HEALTH  
AND WELL-BEING



4 QUALITY  
EDUCATION



5 GENDER  
EQUALITY



6 CLEAN WATER  
AND SANITATION



7 AFFORDABLE AND  
CLEAN ENERGY



8 DECENT WORK AND  
ECONOMIC GROWTH





# GOALS

9 INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



10 REDUCED  
INEQUALITIES



11 SUSTAINABLE CITIES  
AND COMMUNITIES



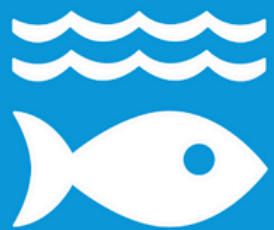
12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



13 CLIMATE  
ACTION



14 LIFE BELOW  
WATER



15 LIFE  
ON LAND



16 PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



17 PARTNERSHIPS  
FOR THE GOALS



# TODAY WE ARE GOING TO FOCUS ON LIFE ON LAND



LEVERAGING EARTH OBSERVATIONS TO ACHIEVE SDG  
15.

FORESTS ARE VITAL FOR A SUSTAINABLE FUTURE, PROVIDING ESSENTIAL ECOSYSTEM SERVICES. SUSTAINABLE DEVELOPMENT GOAL 15 (SDG 15) AIMS TO PROTECT AND PROMOTE THE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS. MONITORING THESE RESOURCES IS CRUCIAL, WITH EARTH OBSERVATION TECHNOLOGIES SERVING AS KEY TOOLS.



EARTH OBSERVATIONS FOR THE  
SUSTAINABLE DEVELOPMENT GOALS



# THE ROLE OF EARTH OBSERVATIONS IN MONITORING FORESTS

*Remote sensing has enhanced forest monitoring, providing key insights into health. LiDAR creates 3D maps for carbon and deforestation assessment, while hyperspectral imagery detects early signs of vegetation stress or disease.*

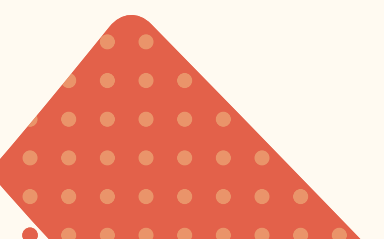
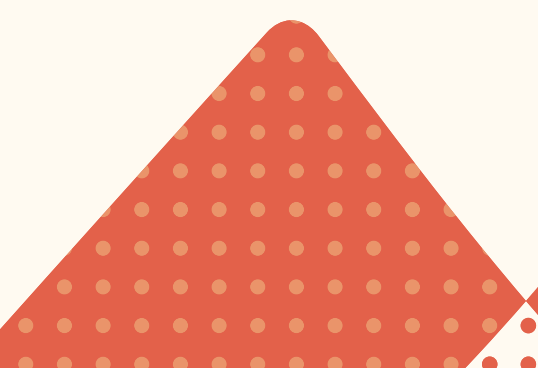

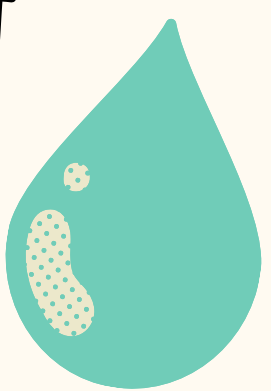


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# CLIMATE MODELLING, PROJECTIONS AND ANALYSIS

CLIMATE CHANGE SCIENCE IS COMPLEX AND GLOBAL. SCIENTISTS AT THE CANADIAN CENTRE FOR CLIMATE MODELLING AND ANALYSIS (CCCMA) DEVELOP MODELS TO SIMULATE AND PREDICT CLIMATE CHANGES BOTH GLOBALLY AND REGIONALLY ACROSS DIFFERENT TIMESCALES.



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!LETS

PLAY!

