

# Artificial Intelligence and Machine Learning Innovation in SDGs

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## INTRODUCTION

In 2015, all United Nations member states adopted the 2030 agenda to jointly achieve the Sustainable Development Goals (SDGs). Several studies using AI-related technologies have been conducted to support this goal. Artificial Intelligence (AI) and machine learning (ML) are believed to accelerate the achievement of the targets of the 17 SDGs. These two terms are often confused. Artificial Intelligence is a broader concept of machines capable of executing commands in “smart” ways. Meanwhile, ML is an AI application that focuses on forecasting by utilizing computational statistics (Gangula et al., 2020).

The rapid progress of AI and ML has significant implications for most of the achievements of the 17 SDGs. Thus, it can be concluded that AI technology may be required to achieve the SDGs targets, although AI-based technologies need to be supported by regulation and oversight to enable sustainable development (Vinuesa et al., 2020).



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