


# Roadmap to 2050 The Land-Water-Energy Nexus of Biofuels

## Providing Institution(s)

 United Nations Sustainable Development Solutions Network (UNSDSN)

## Topic(s)

 Energy, LULUCF (land use, land-use change and forestry), Mitigation

## Geographical reach

 Global, Global

## Target level of capacity building

 Systemic

## Resource Type

 Tool

## Resource Language(s)

 English (EN)

## Resource Date

 2021

## RESOURCE LINK

Access

## DESCRIPTION

The authors of this report were challenged to answer the intricate question of are biofuels sustainable and if so, what criteria needs to be met in order to achieve sustainability on a global scale.

This report intends to explore the potential role that biofuels can play to accelerate a progressive phase-out of fossil fuels as a primary source of energy by analysing main production trends and emerging technologies.

In addition, the report attempts to assess crucial controversies connected to their scalability, such as their impact on the environment and the potential competition of biofuel demands on agriculture and food production (in particular for traditional biofuels) in a global context characterized by increasing energy and food demand.

The analysis carried out by authors and experts who took part in the drafting process of the Roadmap is diversified and offers perspectives according to specific local, national and regional contexts, as well as to specific economic sectors and technologies and case studies.