LT

Latest Thinking
on the Climate Action
SDG 2023

The goal of our **Open Access Video Journal** (ISSN: 2510-5183) is to broaden the impact of scholarly works and to battle misinformation.
We have developed an expertise in the area of climate research and currently support one of the largest projects in climate modelling: www.nextgems-h2020.eu.
We felt also honoured to produce the Nobel prize speech of Prof. Klaus Hasselmann who won the physics Nobel prize for climate research in 2021.

PACKAGE

Our collection will provide a comprehensive overview of the research topics related to **SDG 13** and will broaden the impact of underlying scholarly work.
Help support the funding of 20 new videos per year.

BENEFITS FOR PLEDGING INSTITUTIONS

- Opportunity to fund videos specifically focused on achieving the SDG 13 regarding Climate Action.
- Funding will help to ensure that latest research is freely available and comprehendible to users all around the world.

FOCUS AREAS

DRIVERS

Key drivers

What are the key drivers of climate change?
How are individuals, industries and regions contributing to climate change?

Natural vs. man-made

Climate change has always been around. How do we know that climate change is man-made?

CONSEQUENCES

Ice

As the climate warms, the inevitable response enhanced melting. What will be the impact?

Water

How will fresh water availability shift in in the food producing regions of the world?

Carbon

How will vulnerable land and ocean carbon reservoirs respond to a warming climate?

Clouds & Circulation

How will clouds and circulation respond to global warming?

Land

How will climate impact land and biodiversity?

Climate Extremes

What is impact on wether extremes on time scales from days to seasons and centuries?

PREDICTION

Challenges

What makes climate predictions so challenging?

Climate modelling

How well can current climate models predict the future?

Next generation climate modelling

How does the next generation of climate models look like? What can we expect?

IMPACT

Water scarcity and food production

Impact on fisheries, animal livestock, agriculture and water scarcity.

Health and wellbeing

Impact on infectious diseases, malnutrition, mental health and displacement.

Cities, settlements and infrastructure

Impact on flooding, coastal areas, infrastructure and key economic sectors.

MITIGATION AND ADAPTATION

Water security

How to increase water use efficiency and implement water resource management?

Human mobility

How to plan relocation and resettlement?

Food security

How to improve cropland management and ensure efficient livestock systems?

Risk management

How to implement disaster risk management including early warning systems?

Land usage

How to ensure sustainable land use and urban planning?

Energy systems

How to ensure resilient power systems and energy reliability?