



COP29
Baku
Azerbaijan

Equitable South-North Partnerships in Sustainable Energy Research, Innovation, and Higher Education

Official COP29 side event, Nov. 18th, 2024

Organised by the Norwegian University of Science and Technology (NTNU) and SINTEF.





COP29
Baku
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University and Research Collaborations as Capacity Builders for the Green Transition



Dr. Maheshwar Dhakal
Senior Joint Secretary
The Government
of Nepal



Dr. Wirastuti Widyatmanti
Head of Bureau of
Strategic Management
Universitas Gadjah Mada



Prof. Andrea Santos
Associate Professor
The University of
Federal Rio de Janeiro



Lea Ranalder
Associate Programme
Management Officer
UN-Habitat



**Prof. Anders
Hammer Strømman**
Vice Dean of Sustainability
NTNU





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Research and Innovation Models: Collaborative Pathways for Societal Impact and Innovation



Teresa Ponce de Leão

President

Laboratório Nacional de
Energia e Geologia



Yosr Allouche

Director General

The International
Institute of Refrigeration



Adel El Gammal

Secretary General

The European Energy
Research Alliance



Nils Røkke

Executive Vice President
Sustainability

SINTEF





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COP29: Equitable South-North partnerships in sustainable energy research, innovation, and higher education



HR EXCELLENCE IN RESEARCH



**REPÚBLICA
PORTUGUESA**

AMBIENTE E ENERGIA



Science to Public Policy & society

Green H₂ ATLAS

What determinants affect the (environmental) licensing process?

What criteria determine the potential location exclusion from the point of view of land management?

What are the possibilities in relation to the infrastructure available for the storage, transport and distribution of H₂?

What options for powering electrolysis with renewable electricity?

- Solar
- Wind
- Hydroelectric
- Bioenergy
- Distance to the power grid



Atlas Nacional para o H₂
Verde Sustentável



Define criteria to assess the suitability of the location of green hydrogen production units

Mapping and assessing land use constraints

Alternative scenarios for assessing location suitability

National Atlas of Sustainable Green Hydrogen ([here](https://geoportal.lneg.pt/mapa/?mapa=GreenH2Atlas))



<https://geoportal.lneg.pt/mapa/?mapa=GreenH2Atlas>

Commission presents guidance and recommendations to accelerate renewable energy roll-out ahead of REPowerEU anniversary

Energy, Climate change, Environment

Energy

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GENERAL PUBLICATIONS

Guidance on designating renewables acceleration areas





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Building EU-Africa Partnerships On Sustainable Raw Materials Value Chain.

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PAN-AFRICAN SUPPORT TO GEOLOGICAL SCIENCES AND TECHNOLOGY



Pan-African Support to the EuroGeoSurveys – Organisation of African Geological Surveys (EGS-OAGS) Partnership (PanAfGeo), is a project that supports the training of geoscientific staff from African Geological Surveys.

It aims to increase African-owned geological knowledge and skills for sustainable mineral exploitation and related infrastructures, and natural disaster prevention and mitigation.

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Some key points from CoPs



HR EXCELLENCE IN RESEARCH



Accelerate

Support most impacted countries and communities (LMIC)

Promote inclusive and equitable finance

Act based on long-term thinking

Integrate climate and biodiversity

Guarantee transparency

Decide on science based solutions



JUST & EQUITABLE TRANSITION

Green world

CLIMATE FINANCE FOR
RAPID, JUST, & EQUITABLE
PHASE-OUT OF FOSSIL FUELS

END FOSSIL FUELS
FUNDED. FAST. FAIR

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