

# United Nations Framework Classification applied to renewable energy

## Renewable energy resource classification

Estimating and classifying renewable energy resources in a representative, coherent and consistent manner is becoming important for the renewable energy industry and its stakeholders and investors.

Precise definitions and guidelines are essential for investors, regulators, governments and consumers in assessing the value of resources in a transparent manner, and in determining the outlook for the world's energy supply.



## Rapid and agile resource development

Information classified under UNFC will illustrate where the valuable renewable energy resources are located, together with the relevant social, economic and environmental considerations. This mapping can assist to guide government policies and support its rapid and agile development. At a global level, UNFC will make it easier to determine the outlook for future renewable energy supply.

UNFC will help companies and governments to quantify the renewable energy resources of their projects and assets, and assess the technical, commercial maturities and uncertainties of these estimates. It will also facilitate comparison of renewable and non-renewable energy resources. UNFC will assist to compare and optimize investments required for transition away from fossil fuels.

## Holistic application for all renewable energy

UNFC specifications are currently available for renewable energy in general and specifically for geothermal energy. Specifications for bioenergy are under finalization. Specifications are under development for solar, wind and hydropower. Several case studies are produced or are in preparation to aid consistent application to all sectors. Detailed guidelines for each renewable energy sector will also be available.

## Benefits of using UNFC:

- Improved policy analyses
- Sustainable government natural resource management
- Productive business process management
- Efficient capital allocation

## UNFC and renewable energy

The United Nations Framework Classification for Resources (UNFC) is a universal tool for management and assessment of all energy resources and raw materials. UNFC is now transforming itself into the global standard for classification all renewable energy resources.

UNFC provides concepts, rules and methods for classifying renewable energy resources complemented by practical guidelines and case studies. It provides standard and harmonized classification definitions and specifications to help companies, governments and investors assess and compare energy projects of all types.

