


International Renewable Energy Agency


**International
Renewable
Energy
Cooperation**

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OSCE 21st Economic and Environmental
Forum
Prague, 12 September 2013



About IRENA


International Renewable Energy Agency

International Renewable Energy Agency
Established April 2011

Mission: Accelerate deployment of renewable energy

Scope: Hub, voice and source of objective information for renewable energy

Members: 161 partner countries; 118 ratified members (global scope)

Mandate: Sustainable deployment of the six RE resources (Biomass, Geothermal, Hydro, Ocean, Solar, Wind)

Structure: Three programmatic divisions CSP, IITC, KPFC

Location: Headquarters in Abu Dhabi, United Arab Emirates
Innovation and Technology Centre IITC, Bonn, Germany

Director-General: Adnan Amin

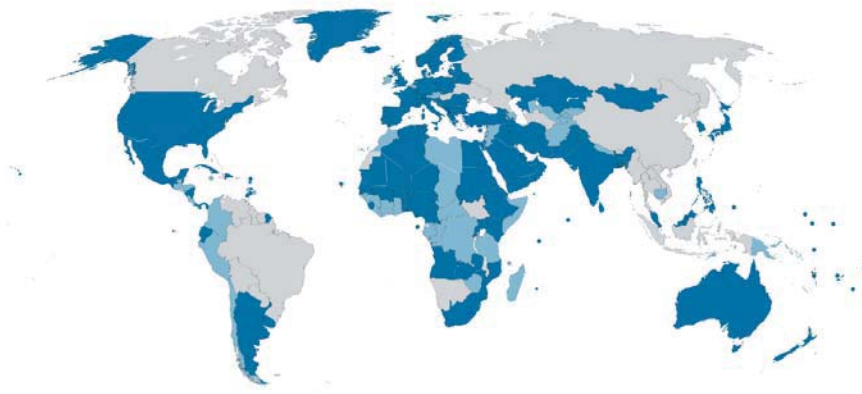
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OSCE and IRENA

- IRENA cooperates with a range of regional organizations and their members to accelerate deployment of renewable energy
- Of the 57 participating OSCE States:
 - 41 are IRENA members
 - 6 are in the process of IRENA membership ratification
 - 11 remaining ones: many are IRENA observers
- Three examples of possible themes
 - REMAP 2030
 - Cost competitiveness of renewable energy
 - Standards and quality control
 - SE Europe conference Montenegro

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IRENA Membership



- Members of the Agency
- Signatories/States in Accession

As of 1 August, 2013

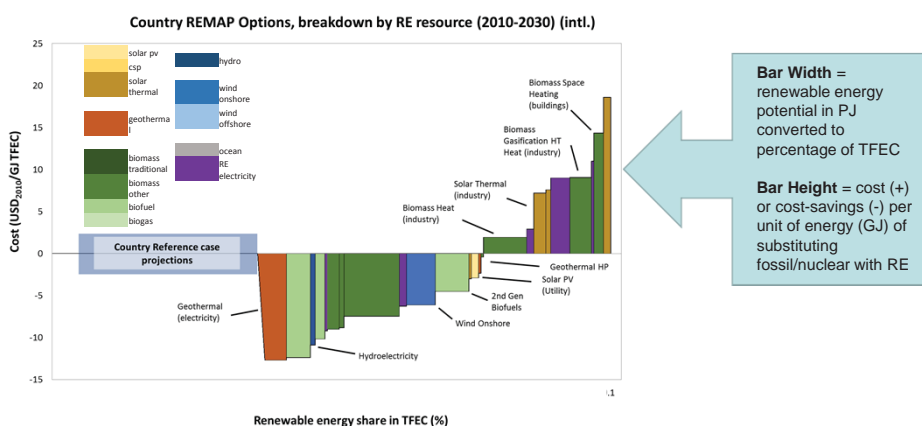
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REMAP 2030

- IRENA Assembly request to explore the aspirational objective of doubling the global RE share
 - Potentials, cost, benefits, policy needs
- Use the findings for IRENA work programme development
 - Basis for a comprehensive objective strategy for accelerated RE deployment
- 25 country analyses covering 75% of global energy use and regional analyses
- Inform SE4ALL initiative of UN, World Bank and partners
- Launch January 2014 at IRENA council

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Sample Cost-Supply Curve Options NOT scenarios and targets



A cost supply curve highlights the potential for increasing the RE share in the country energy mix by further deployment of RE technologies, and the associated costs as compared to non-renewable technology

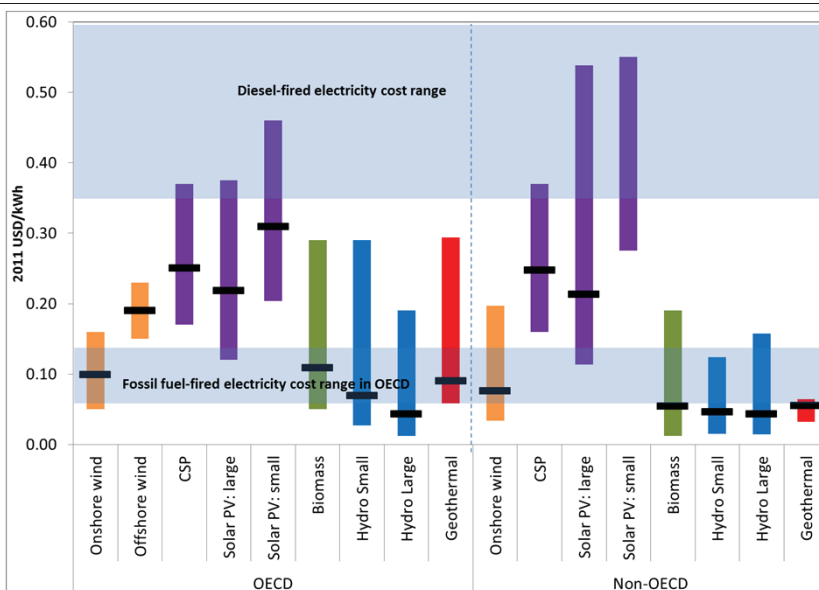
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Costing

- Cost-effectiveness of renewables is still not well understood
- Costing reports are the most downloaded IRENA publications
 - Power generation and transport published in 2013
 - Stationary early 2014
- The IRENA Renewable Energy Costing Alliance will raise the profile and provide a forum for feedback/debate
 - Alliance members will contribute (confidentially) project data to IRENA's *Renewable Database*
 - Launch is scheduled for Q3 2013.

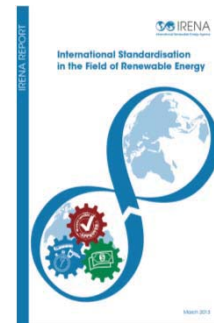


LCOE ranges and averages *RE is cost effective today in many cases*



Standards and Quality Control

- Essential for consumer confidence and market building
- Needs and Gaps analysis published April 2013
 - 714 international standards identified, 13 recommendations
 - Quality infrastructure includes certification and testing
 - Ensure practical application through guidelines, capacity building etc
- Ongoing work for solar water heaters, small wind turbines guidelines for quality assurance schemes
 - Further technologies will be added 14/15
- Capacity building for wider deployment of guidelines




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Montenegro Conference on Renewable Power

- Focus on opportunities for renewable power in South-Eastern Europe
- Developing action agenda for official endorsement at Ministerial conference in Montenegro late November
 - Preparatory meeting 27 May, hosted by Energy Community
- Three themes for discussion and action agenda:
 - Renewable Energy Action Plans and Regulations to Harmonise with EU Directives
 - Priorities, Strategies and Issues for Developing Transmission Grids
 - Opportunities for Renewable Power Investment and Regional Cooperation

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Other ongoing IRENA activities

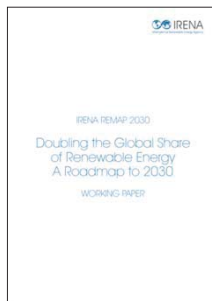
- Project navigator – bankable proposals
- Renewable Energy Atlas – potentials data
- Renewables Readiness Assessment – policy frameworks
- IRENA Renewable Energy Learning Partnership - IRELP
 - Global database of education/training opportunities, library of RE training materials, webinars and an e-learning platform
- IRELP  IRENA Renewable Energy Learning Partnership *Your Renewable Energy Future is just one Click away*
- IREValue
 - Impact assessment of RE deployment on socio-economic variables
- IRENA and the Abu Dhabi Fund for Development (ADFD)
 - USD 350 million to finance innovative renewable energy projects in developing countries
 - 2nd tranche January 2014, call for tenders opens soon



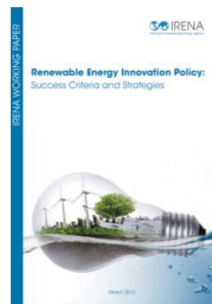
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Technology Briefs



REMAP



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Innovation



Project navigator