

Education for the Energy Transition

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Energy Transition Workforce

IRENA
International Renewable Energy Agency

RENEWABLE
ENERGY BENEFITS
LEVERAGING LOCAL CAPACITY
FOR ONSHORE WIND

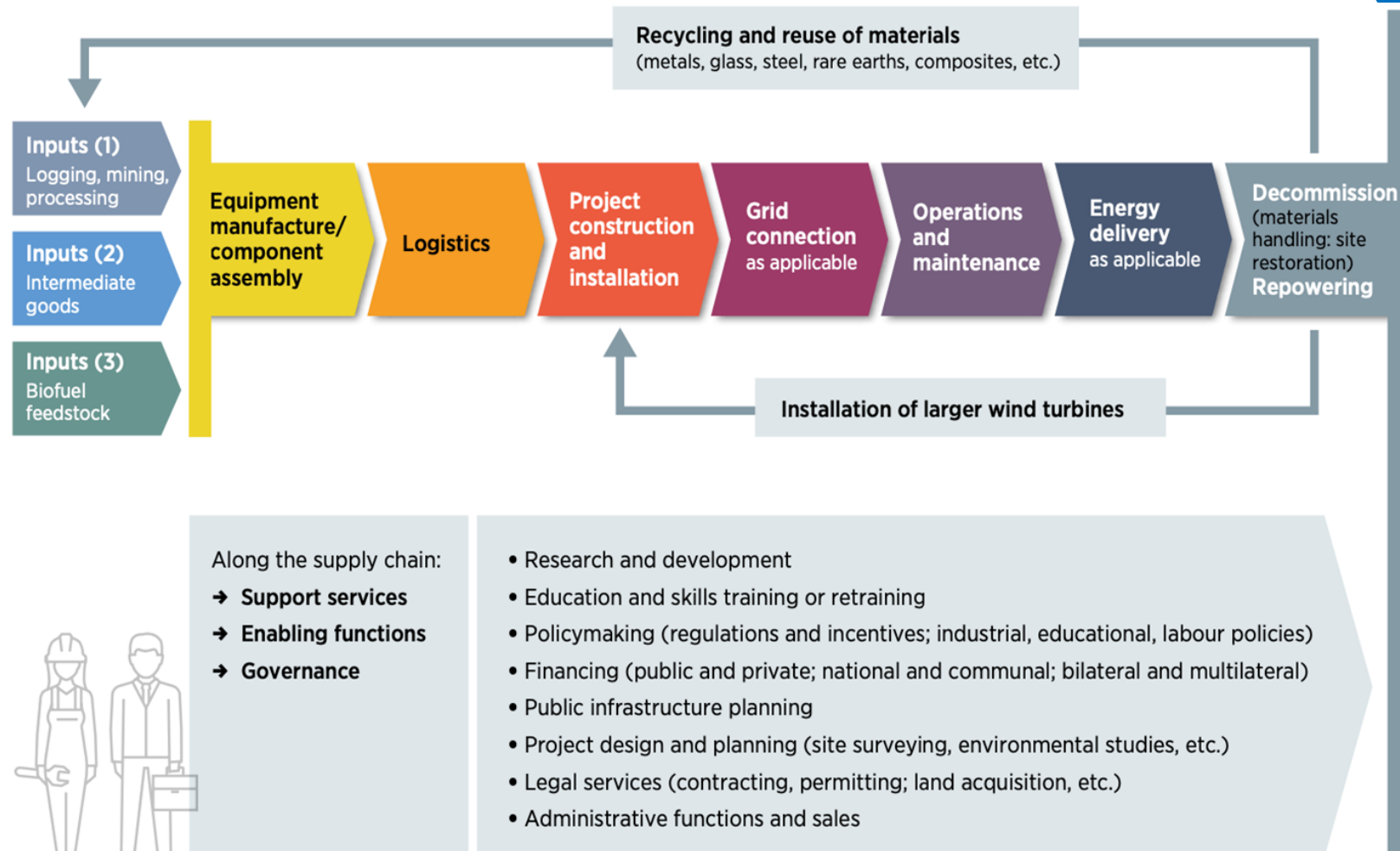


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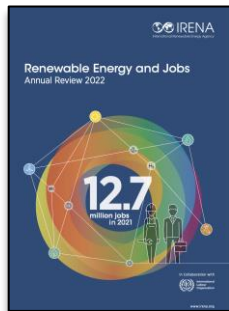
RENEWABLE
ENERGY BENEFITS
LEVERAGING LOCAL
CAPACITY FOR SOLAR PV



RENEWABLE
ENERGY BENEFIT
LEVERAGING LOCAL CAPACITY
FOR SOLAR WATER HEATERS



Energy Transition Workforce



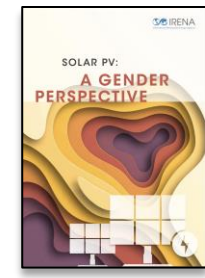
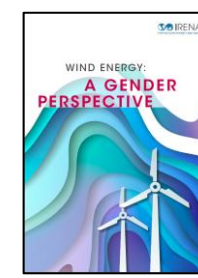
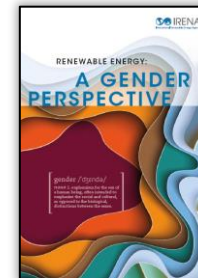
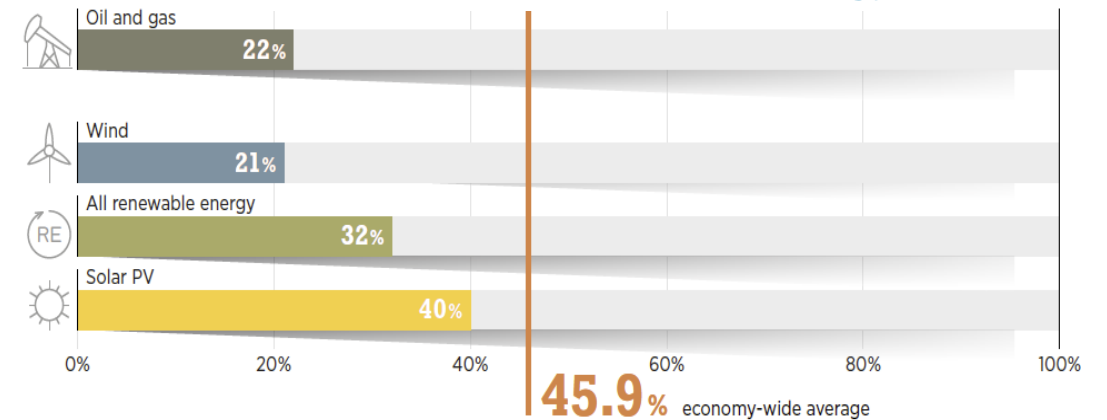
43 million RE
jobs in 2050
(122 million ET jobs)



12.7 million RE
jobs in 2021



Women in Renewable Energy



Meeting the human resource capacity necessary to fill these newly created jobs requires a scaling up of education and training programmes as well as measures aimed at building an inclusive and gender-balanced transition workforce.

Energy Transition Education Network

New global partnership between organisations and institutions working at the forefront of both education and energy.

- Develop and share curriculum and teaching resources
- Exchange and promote best practices in renewable energy learning
- Engage in joint capacity building activities
- Contribute to analytical activities on skills gaps and priorities
- Make policy recommendations
- Engage in high-level awareness raising of the need for enhanced education for the energy transition
- Enhance and build on ongoing efforts of members



**ENERGY TRANSITION
EDUCATION NETWORK**

Capacity Building for Educators

- Series of training activities in 2023 aimed at educators – training of trainers approach
- Teacher resource pack with classroom activities
- COP 28 campaign showcasing good practices in climate and energy education
- Upcoming focus on developing open access teaching modules for higher education



ENERGY TRANSITION
EDUCATION NETWORK

PERMANENT MISSION OF THE
UNITED ARAB EMIRATES
INTERNATIONAL RENEWABLE
ENERGY AGENCY (IRENA)



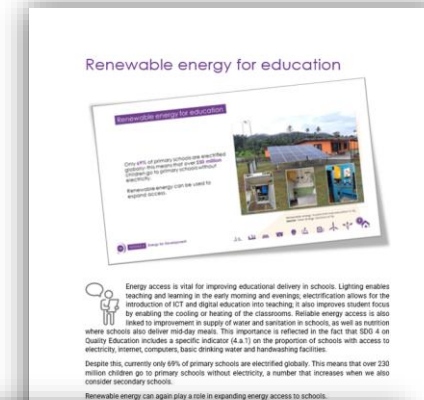
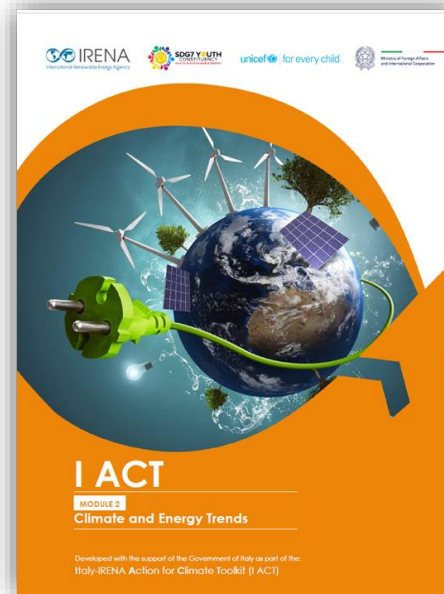
البعثة الدائمة
الإمارات العربية المتحدة
الوكالة الدولية للطاقة
المتجددة (إيرينا)



IRENA
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I ACT initiative: Youth as Peer Educators

- Toolkit includes presentation materials with talking points and workshop activities.
- Young people to be trained as peer educators and supported to deliver workshops in their community.



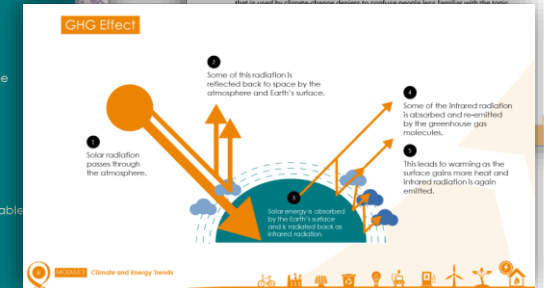
ACTIVITY: Just Transition Role Play

Ruritania Stakeholder Consultation

- > The Energy Ministry is developing a pathway to a zero net carbon Ruritania by 2050
- > This pathway needs to include and benefit all Ruritarians
- > The Ministry is calling for stakeholder feedback on what the pathway should look like

Questions for Stakeholders

- > How will a zero carbon pathway affect you?
- > What priority actions should be taken for you to support this pathway politically?
- > What policy recommendations would you make?
- > The government plans to establish a USD 100 million fund to ensure a just and equitable transition. How should those funds be allocated?



Virtual Learning

- IRENA Student Leaders Programme: virtual training for university students
- IRENA eCampus: lectures and courses for self-study and use by educators



Employer Skills Survey

- Employer skills survey is currently underway- closes April 15th
- Being used to gather insights from employers on skills gaps and education and training priorities

For each occupational group

	Does your company hire employees in this occupational group?		If yes, do you face difficulties in hiring from this group?			What main requirement are applicants missing?
	Yes	No	Yes	No	N/A	
STEM technical roles (e.g. engineers and scientists)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Technicians and skilled tradespersons (e.g. electricians, mechanics, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Non-STEM technical roles (e.g. lawyers, policy experts, economists, finance specialists)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Managers and senior officials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Administrative and non-technical roles (e.g. assistants, support staff, sales etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Labourers (construction, assembly etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

How many vacancies were posted by your organisation in the past 24 months?

What percentage of these roles was hard to fill? (This could include low numbers of applicants in general or low number of applicants having the required experience or skills).

0 10 20 30 40 50 60 70 80 90 100 %

Percentage of vacancies that were hard to fill

In which occupational groups do you see the greatest shortages of qualified applicants?

STEM technical roles (e.g. engineers and scientists)
Technicians and skilled tradespersons (e.g. electricians, mechanics, etc.)
Non-STEM technical roles (e.g. lawyers, policy experts, economists, etc.)
Managers and senior officials
Administrative and non-technical roles (e.g. assistants, support staff, sales etc.)
Labourers (e.g. construction and assembly roles)
Other (specify)

For each occupational group

Which roles in particular have been hard to fill with qualified applicants/employees?

	Job Title	Highlight any specific skilling gaps for this role
	Answer 1	Answer 1
Role 1	<input type="text"/>	<input type="text"/>
Role 2	<input type="text"/>	<input type="text"/>
Role 3	<input type="text"/>	<input type="text"/>
Role 4	<input type="text"/>	<input type="text"/>
Role 5	<input type="text"/>	<input type="text"/>

Joining the Energy Transition Education Network

Network membership is open to organizations, educational institutions, governments, and community-based organisations.

The level of engagement can vary. Members can:

- Actively contribute to working groups around selected activities or topics
- Contribute curriculum and teaching resources to the ETEN repository
- Share tools and good practices in renewable energy education
- Participate in knowledge exchange opportunities

education@irena.org



ENERGY TRANSITION
EDUCATION NETWORK



THANK YOU!

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