

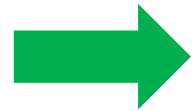
Session II: IRENA's role in South East Europe



Renewable Energy Benefits: Can South East Europe realise
the full potential of the Energy Transition?

11-12 June 2019, Sarajevo

Topic 1: National Energy and Climate Action Plans



**National
Energy and
Climate Plans
(NECPs)**

Energy Community timeline

2018

- Set-up of Technical Working Group on NECPs
- Launch of work on analytical and technical aspects

2019

- Finalize reference and policy scenarios (TU Wien)
- Adaptation of EU legislation and endorsement of 2030 targets

2020

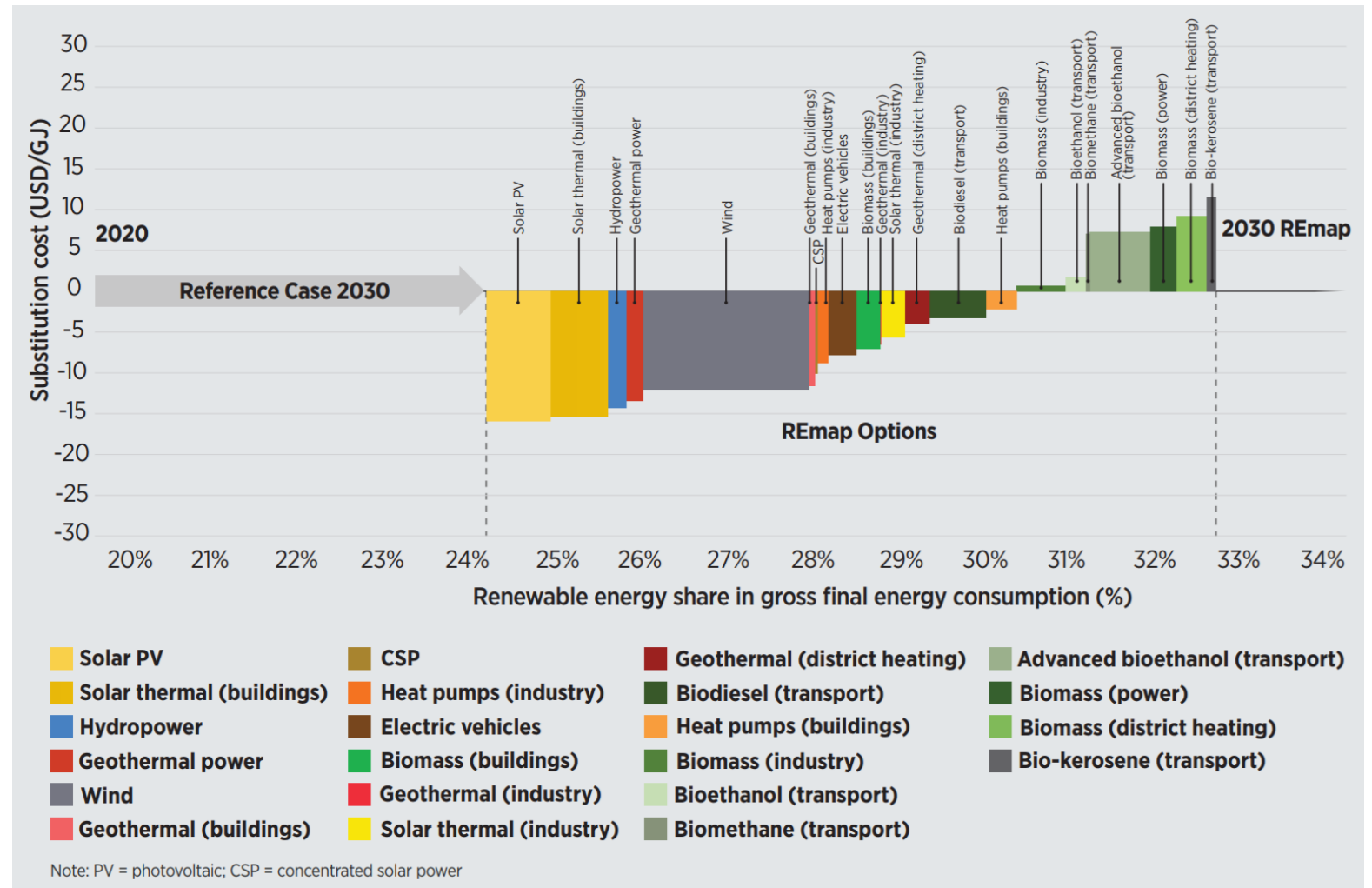
- Consultation review and assessment of draft NECPs
- Submission of final NECPs

- **Objective:** to identify cost-effective technical options to accelerate renewables deployment by 2030

■ Sectors

- Power and heat supply
- End-use sectors: buildings, industry, transport.

Sample cost-supply curve from IRENA's REmap analysis for the European Union



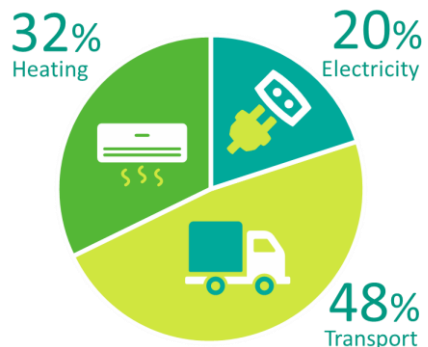
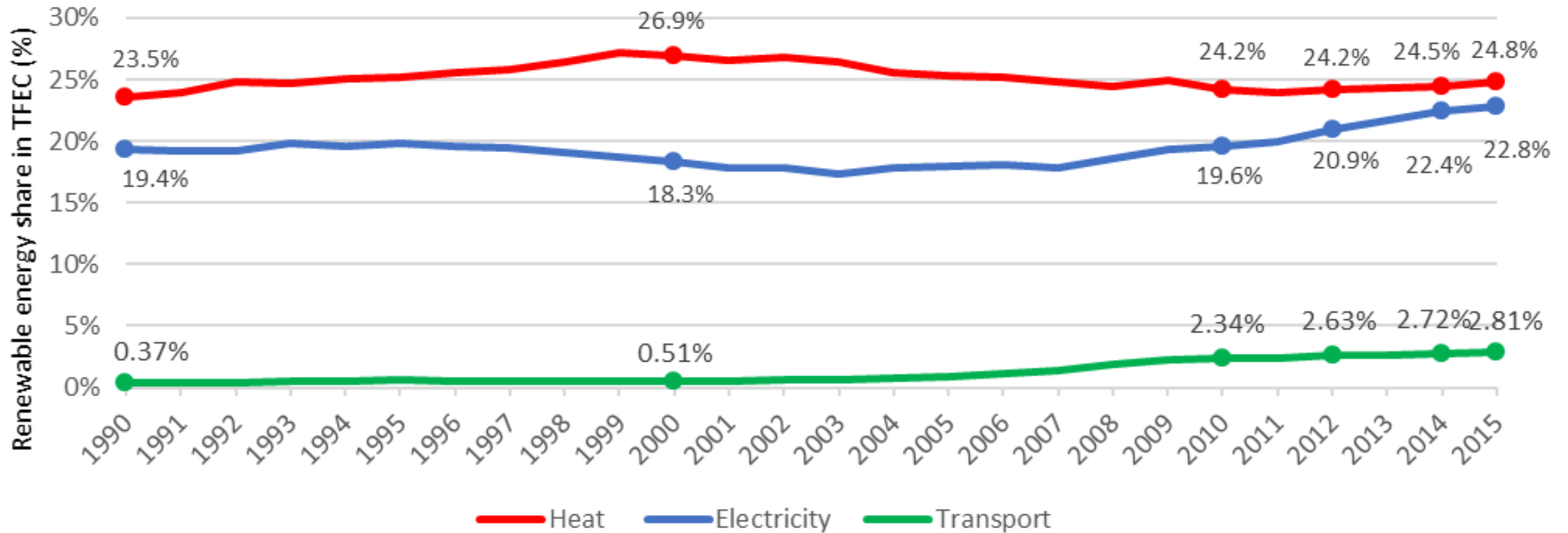
Questions for discussion

1. REmap for CESEC countries will provide information on feasible and cost-effective potentials to increase renewable energy deployment in power and end-use sectors by 2030 – how to ensure that the REmap findings are included in the NECPs?
2. Given the support being provided by the Energy Community Secretariat and GIZ, what kind of additional assistance could be provided by IRENA?
3. Are there any other partners providing support for Energy Community Contracting Parties in this regard?

Topic 2

Renewables in end-use sectors

RE penetration in heating and transport requires boosted efforts



➤ Progress in the power sector is not being matched in transport and heating – which together account for 80% of global energy consumption.

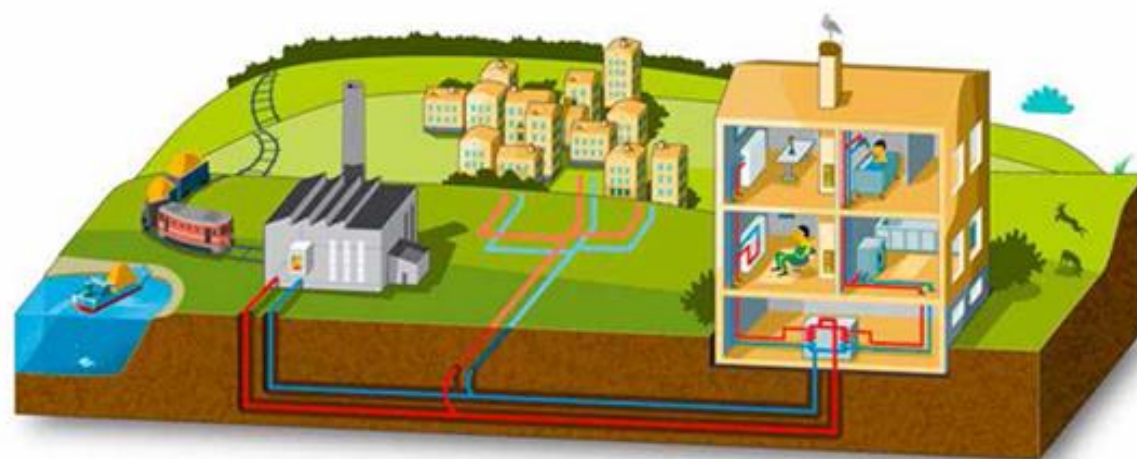
District heating and cooling

Recommendations:

- upgrade existing DH systems to increase efficiency, allow metering and use solid biofuel, solar and geothermal energy technologies;
- more new DH system using RE technologies

Active projects:

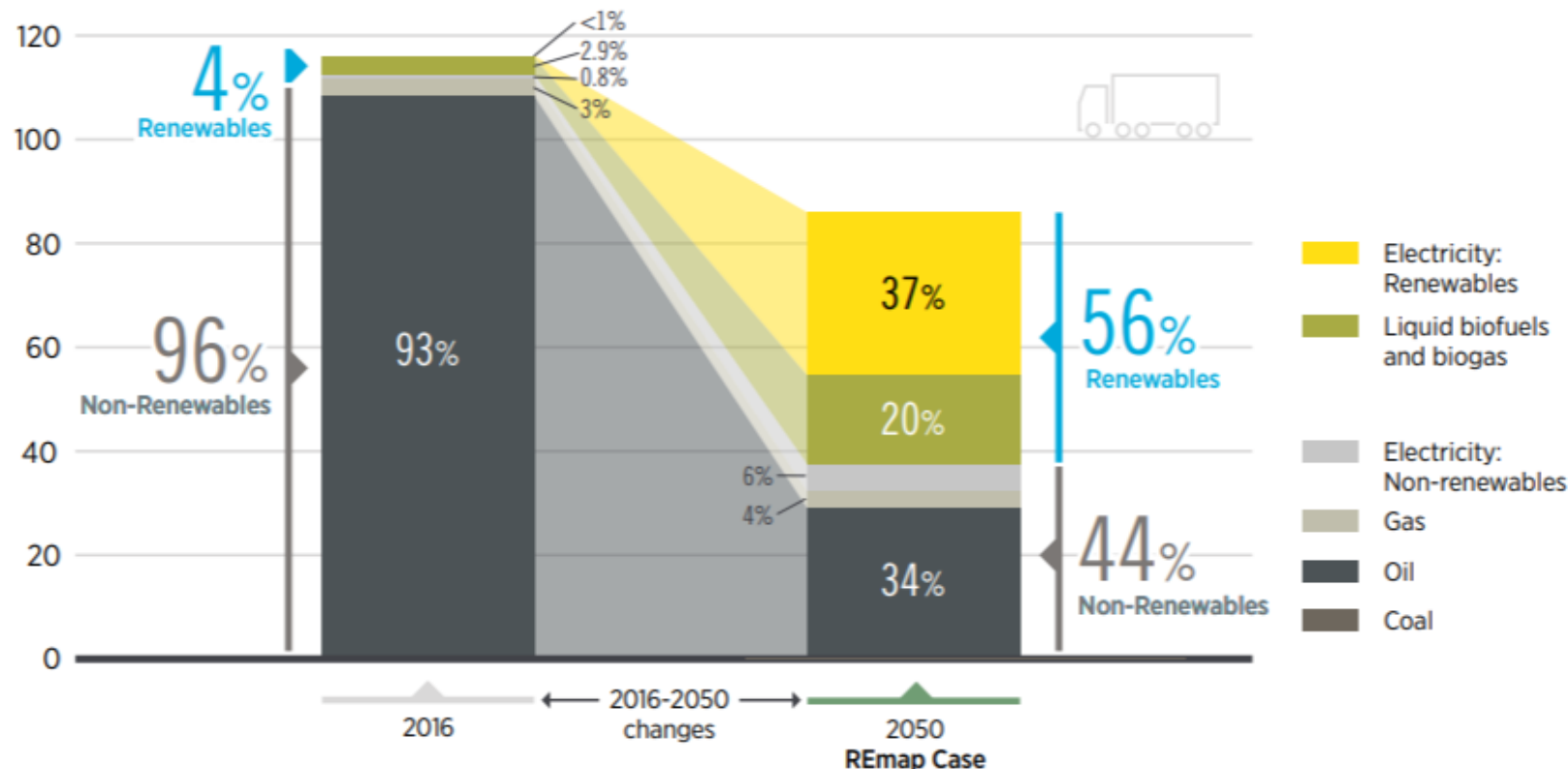
- **EBRD**
Renewable District Energy in Western Balkans Fund (ReDEWeB Fund)
- **IRENA**
Guidebook on facilitating the integration of low temperature renewable energy sources in district heating and cooling networks



Sustainability of the transport sector

Biofuels

- important transition fuel and irreplaceable in marine ships and airplanes
- sustainability criteria of bioenergy



Electric Vehicles (EVs)

- 6 million today → over 1 billion in 2050
- *Innovation Outlook: Smart Charging for Electric Vehicles*

Questions for discussion

1. Are countries planning the scale up of RE use in their district heating systems?
2. One training based on the IRENA's guidebook on facilitating the integration of low temperature renewable energy sources in district heating and cooling networks is tentatively envisaged for stakeholders from SEE. What kind of additional support on a regional/country level would be needed, if any?
3. What should be the focus of this assistance? Who are the right stakeholders to interact with: municipalities? Governments? Development financial institutions?
4. How IRENA could support the SEE countries in their efforts to decarbonize the transport sector?
5. Are there any aspects of the transport electrification that IRENA could address in a SEE-specific activity?

Topic 3

RE investment friendly regulatory environment

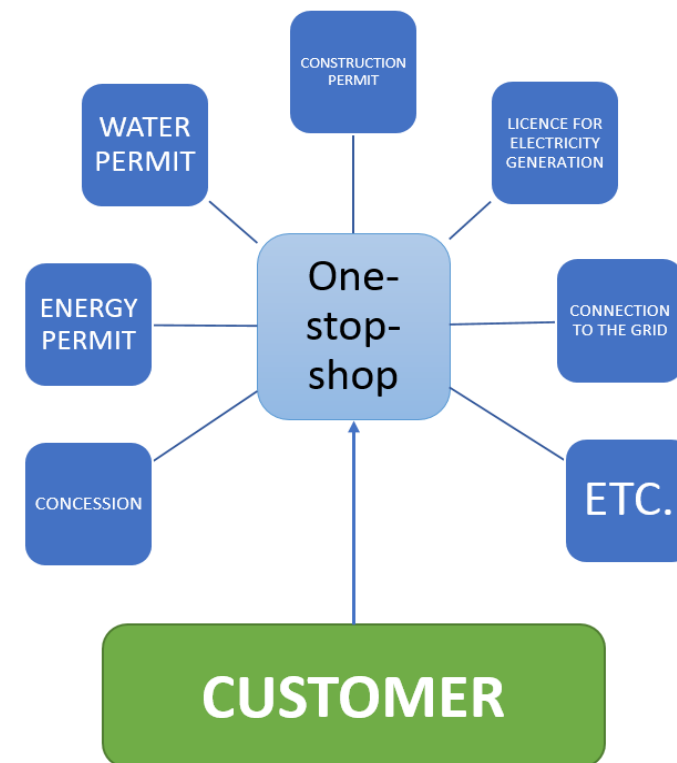
RE investment friendly regulatory environment

Options to simplify administrative procedures:

- E-permitting
 - e-permit system in Serbia has shortened the process for obtaining a construction permit from 240 to 28 days
- One-stop-shop

IRENA's Open Solar Contracts

- Objective: to simplify and streamline the contractual framework for solar power to unlock greater investments globally
- Templates for six core contracts:
 1. Implementation Agreement
 2. Power Purchase Agreement
 3. Supply Agreement
 4. Installation Agreement
 5. O&M Agreement
 6. Finance Term Sheet



Questions for discussion

1. Is there a need for *Renewable energy one-stop-shops: Guide for South-East Europe*? It could be a practical training on practices and procedures for streamlining administrative requirements for renewable energy projects.
2. Is there an interest in the region to use standard documentation for solar power to be provided through Open Solar Initiative? If so, is there any specific assistance that IRENA could provide?

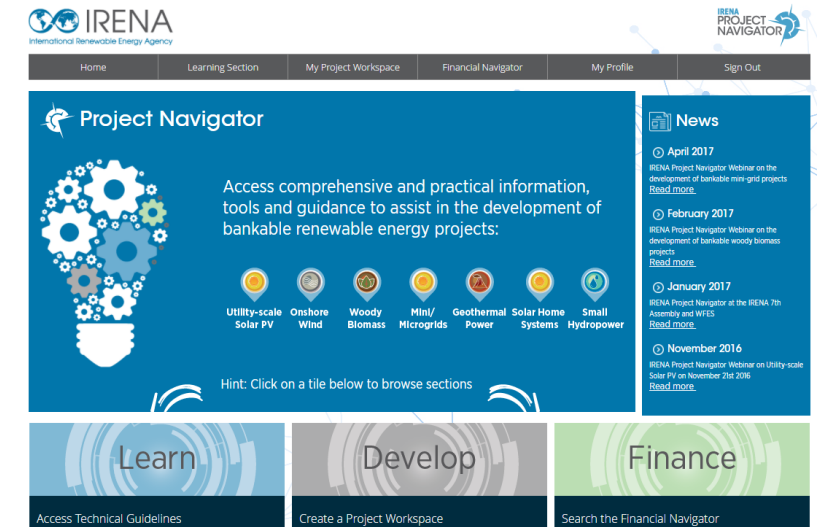
Topic 4

Facilitation of RE project implementation

Facilitation of RE project implementation

IRENA's current activities:

- providing critical information, analysis and best practices covering the complete project lifecycle of multiple RE technologies including:
 - Project Development Process guidance
 - Technical Concept Guidelines
 - Tools, Templates & Case Studies for project developers;
- connecting project owners, financiers/investors, host governments, service providers and technology suppliers to bring projects to fruition;
- organizing Matchmaking event/Investment Forum



The screenshot shows the IRENA Project Navigator website. The header includes the IRENA logo and navigation links: Home, Learning Section, My Project Workspace, Financial Navigator, My Profile, and Sign Out. The main content area features a 'Project Navigator' section with a lightbulb icon containing gears, and text: 'Access comprehensive and practical information, tools and guidance to assist in the development of bankable renewable energy projects:'. Below this are icons for various technologies: Utility-scale Solar PV, Onshore Wind, Woody Biomass, Mini/Microgrids, Geothermal Power, Solar Home Systems, and Small Hydropower. A 'News' sidebar on the right lists recent webinars from April, February, and January 2017, and November 2016. At the bottom, there are three main sections: 'Learn' (Access Technical Guidelines), 'Develop' (Create a Project Workspace), and 'Finance' (Search the Financial Navigator).

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Questions for discussion

1. How IRENA can better support development and implementation of RE projects?
2. Where would you consider potential for strengthened collaboration of IRENA with development financial institutions in implementing individual RE projects?
3. What are the main gaps for implementation of projects on the ground and how IRENA can support in overcoming those barriers?



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