



JCCP - Enabling a Sustainable Energy Society: Human Resources, Technology Development, and International Collaboration

The 42nd JCCP International Symposium

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Agenda

Introduction

Human Resources in Sustainable Energy

Technology Development in Sustainable Energy

International Collaboration

Challenges & Opportunities – OQ Context

Conclusion



Introduction

Thanks to JCCP



- Inviting us to these important conferences
- Supporting us in our journey for energy transition, security and sustainability
- Foster collaboration among the energy community

What is a “Sustainable Energy Society”



“A sustainable energy society is one where renewable resources meet energy needs, reducing environmental impact and fostering economic and social well-being.”

ChatGPT Definition

Importance in the Current Global Context



- Global Commitments and Policies
- Climate Change Mitigation
- Energy Security
- Economic Benefits
- Technological Innovation
- Resource Efficiency



Human Resources

Human Resource Factors



- Workforce Transformation
 - Transition of Roles and Job Displacement Concerns
- Education & Skills Transformation
 - Specialized Education Programs
- Leadership & Innovation
 - Role of Leadership
 - Driving Innovation



Technology Development & Deployment

Technology Development & Deployment



- Current State of Sustainable Energy Technologies
 - Overview, Challenges & Limitations
- Research & Development
 - Investment in Startups vs Internal R&D vs Hybrid
 - Deployment of new technologies



International Collaboration

International Collaboration Impact



- Global Policy Frameworks
 - Role of policy in shaping energy markets
- Cross Border Partnerships
 - Driving down technology development costs
- Knowledge Exchange
 - Platforms for knowledge exchange



Challenges & Opportunities – OQ Context

Challenges & Opportunities - OQ Context



- Challenges
 - Access to technology
 - Policies & Frameworks
 - Elevated Risk profiles affecting sustainable technology deployment
- Opportunities
 - Collaboration, Government Support, Global Drive



Conclusion

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- The State of the Sustainable Energy Society - Oman
- Call to action



Thank you