

# Youth Virtual Conference of the UNU RCEs 2016

## Energy Systems and Sustainability Project Guide

The relationships between energy systems, including energy sources and their environmental impacts, as well as potential impacts on society require the attention of policy, science and education. This study should analyze those relations and consider sustainable solutions. Through analysis of energy systems and sources, including efficiency, distribution and usage as well as the complex relationships at play, the project seeks to better understand these systems and processes and recommend action. The following are questions to consider in this study of energy systems and sustainability.

### Energy Systems Region

Location: *Country/Region*

**Analysis:** Suggested questions for students to analyze to better understand sustainable energy systems.

1. Where does the majority of energy generated and consumed in your region originate from?
2. How do the sources of your region's energy affect the environment, economy, and society?
3. What is being done to promote the use of renewable energies and how successful are those efforts?
4. Are there examples of successful sustainable energy systems on a micro or macro level and how have those efforts been achieved?
5. What are the obstacles and who are the opponents to moving to a more renewable and sustainable energy source?
6. What are the current movements and who are the proponents of moving to a more a renewable energy system and how can they be aided by society?
7. What are the potential impacts of your region's energy generation on climate change?
8. What motivates your region to make the energy sourcing choices that they make?
9. Analyze the challenges faced by the consumer and by political systems as a whole to determine where change can be made.
10. Which potential solutions will provide the most leverage and find the most traction within the region?

### Recommendations:

How could these issues be addressed? What are possible solutions? What are possible obstacles?

- Large scale:
- Small scale:
- Long term:
- Short term

## **Conclusion:**

Summarize the findings of the study, taking into consideration the broader themes present in the study of systems and sustainability such as *resiliency, systems thinking, natural capital, collaboration, integration, diversification*, etc.

This summary should be formatted into a MS PowerPoint presentation of ***no more than 15 minutes in length***. This presentation should include interesting images and visuals to be used as a prompt for presenting from, rather than extensive verbiage and copy to be read from.

This PowerPoint will be uploaded to the *Blackboard Collaborate* session for all users to see as the presenting group advances the slides and presents their information in real time. Questions and answers, as well as dialogue will follow the presentation of the separate sites.

This PowerPoint presentation will be due in the weeks prior to the conference date of March 2nd, more information will come following registration.