INTEGRATION

Students’ Workshop
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INTEGRATED ENERGY PLANNING (IEP)

- Energy consumption and production is linked to all aspects of daily life: density of urban areas, transportation, car ownership, unemployment, ecology, socio-economy, etc..

- Integrated energy planning requires tackling these challenges within a unified planning and policy framework in order to reach a set of optimal strategic energy options and potentials of renewable energy systems for sustainable livelihoods over the long term.

- It is mainly the choices that need to be taken regarding the relation between renewable energy and physical, economic, and social structure of a city.
INTEGRATION
INTEGRATION OF THINKING

Technical Assessment
- Energy Efficiency Potential
- Renewable Energy Potential
- Grid Solutions

Policy Recommendations
- Vision & Long-Term Goals
- Concrete Policy Mechanisms
- Governance & Administrative Efficiency

Finance & Policy Assessment
- Gap Analysis
- International Support & Cooperation
- Domestic Reform and Capacity Building

Socio-Economic Analysis
- Levelized Cost of Energy + Energy Scenarios
- Macroeconomic Effects

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INTEGRATION OF DISCIPLINES = SUSTAINABILITY

- ENERGY STUDIES
- SYSTEMS ENGINEERING
- ELECTRICAL, CIVIL, MECHANICAL ENG’G
- URBAN PLANNING
- URBAN DESIGN
- LANDSCAPE ARCHITECTURE
- ARCHITECTURE
- SOCIOLGY
- ECOLOGY
- ECONOMY
- FINANCE
- HERITAGE
AN INTEGRATIVE WORKSHOP

- EXCHANGE OF KNOWLEDGE
- UNDERSTAND THE OTHER DISCIPLINES
- HOW ENERGY FITS IN DISCIPLINES
- UNDERSTAND ROLES
- INTERSECTION OF DISCIPLINES
- DEBATE IDEAS & APPROACHES
- QUESTION ISSUES
- COMMON UNDERSTANDING
- WIDEN HORIZON
- ENGAGE WITH OTHERS
CONCLUSION

• A WAY OF THINKING BEYOND SILOS
• SUSTAINABLE FUTURES
• FUTURE = NEW GENERATION
• YOU