

Assignment

- Future Energy Demand: Energy vs Environment vs Land
 - Build base line scenario representing the current energy systems in S.A with aspect to :
 - Land
 - Economy
 - Water
 - Develop different future scenarios with different integrated energy systems : mix of Wind, Solar ,Hydro and Fossil
 - Compare the results of different scenarios in term of the aforementioned aspects
 - Include technical constraints (Grid expansion)\
 - Downscaling the model and validate the results on regional scale
 - Include the current policy of S.A of energy and environment as baseline scenario

Seminar

- Possibility to review recent work of IAM land-use models related to energy expansion
- Review its level of accuracy (Validation)