IRENA Global Atlas: Spatial planning techniques, 2-day seminar Q4-2014

renac renewables academy

Day 1					
morning session 1 **Welcome and introduction - technology overview RE [01a]**	*break*	**morning session 2** **Technology overview RE [01b]**	*lunch*	**afternoon session 1** **Introduction to mapping and resource assessment [02a]**	*break*	**afternoon session 2** **Introduction to mapping and resource assessment [02b]**
• Introduction by trainers and participants • Introduction to agenda • Technology Overview RE • Policy-relevant facts about solar energy technologies (focus on photovoltaics)		• Policy relevant facts about wind energy • Policy relevant facts about centralized and decentralized technologies		• Introduction to solar resource mappings • Introduction to wind resource mappings • Assessment of uncertainties and illustration of sensitivities in resource mappings • Introduction to the assessment of: ○ theoretical potentials ○ technical potentials ○ economic potentials		• Assessment of data suitability for potential assessments • Global Atlas and other tools to assess RE potentials • Assessment of priority regions for RE development
Altevogt/Jaensch/Koerner		**Altevogt/Jaensch/Koerner**		**Altevogt/Jaensch/Koerner**		**Altevogt/Jaensch/Koerner**
Day 2						
morning session 1 **Introduction to spatial planning and policymaking [03]**	*break*	**morning session 2** **Spatial planning and stakeholder engagement [04]**	*lunch*	**afternoon session 1** **Transparent policy development using resource mapping [05a]**	*break*	**afternoon session 2** **Transparent policy development using resource mapping [05b]**
• Analysis of case studies from around the world using 3 to 4 relevant countries • Analysis of specific examples of spatial planning and RE policy development • Insights and best practices from international experience		• Examples of stakeholder engagement using spatial planning using 3 to 4 relevant countries including: ○ transmission planning ○ project siting ○ stimulation of public awareness and community involvement		• The importance of using multiple layers of analysis: resource, grid, mapping of load centers and distribution, etc. • Conducting cost-benefit analysis to determine the competitiveness of grid extension (i.e. centralized) vs. decentralized solutions using 3 to 4 relevant countries • Proposition of adequate tariff structures / tendering processes		• Outlining the advantages of using mapping tools: ○ Reduce RE project development costs ○ Reduced NIMBYism ○ More efficient project siting ○ Better targeting of stakeholder ○ engagement • Wrap-up on best practices in the integrated use of planning tools and renewable energy policy development
Dr. Jacobs		**Dr. Jacobs**		**Dr. Jacobs**		**Dr. Jacobs**