COBENEFITS

Schedule for the 2-day COBENEFITS Training, VN_2: Social and economic opportunities (co-benefits) of renewable energy for Vietnam – **Sustainable Power System Planning**
15 – 16 August 2019, Hilton Garden Inn Hanoi, 20 Phan Chu Trinh, Hoàn Kiếm Dist., Hà Nội

Supported by:
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
based on a decision of the German Bundestag

Time	Thursday 15 August 2019	Friday 16 August 2019
09.00 - 10.30	**Check-in, project overview and socio-economic co-benefit assessment for Vietnam**	**Deep Dive: Advanced power system planning (AIPSP) methodology**
	▪ Introduction round / Ice-breaker ▪ The Co-benefits project (consortium, team, approach) ▪ Overview: climate/economic /environmental/ social co-benefits ▪ Co-benefits priorities in Vietnam: employment, and energy access ▪ What to expect from the training?	*Refresh the main results from previous day* *Intro (20 min)* AIPSP objectives and co-benefits ▪ AIPSP methodology *Discussion on opportunities using AIPSP in Vietnam*
Lecturer	Cecilia Strandberg (Renewables Academy - RENAC)	Dr. Atom Mirakyan (Tractebel Engineering)
10.30 - 10.45	*coffee break*	*coffee break*
10.45 - 12.15	**Deep Dive: Integrated power system, its transition and planning**	**Planning tools for integrated power system planning**
	Intro (20 min): ▪ Integrated power system ▪ Power system transition ▪ Power system planning ▪ Power system in Vietnam *Group work and discussion about power system transition in Vietnam* ▪ Participants split in 3 groups: ▪ groups develop their own possible power system development paths in Vietnam *Presentation:* All 3 groups present their perspective about possible power system development paths in Vietnam	*Refresh the main results from previous day* *Intro (20 min)* ▪ Planning tools implemented in the integrated power system planning ▪ Consideration of co-benefits in the planning tools *Demonstration and use of selected planning tools*
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Dr. Atom Mirakyan (Tractebel Engineering)
12.15 - 13.45	*lunch break*	*lunch break*

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Time	Thursday 15 August 2019	Friday 16 August 2019
13.45 - 15.15	**Deep Dive: Indicators and co-benefits in power system planning**	**International practices in power system planning**
	▪ Energizer (RENAC) ▪ *Intro (20 min)* ▪ Indicators and co-benefits ▪ International praxis using indicators *Group work on building an expected set of indicators and co-benefits for Vietnam* Participants split in 3 groups: ▪ Each group develops their own possible set of indicators and co-benefits for Vietnam *Presentation:* ▪ All 3 groups present and discuss their developed set of indicators	▪ Energizer (RENAC) *Refresh the main results from previous day* *Intro (20 min)* ▪ Consideration of co-objectives in the international planning studies ▪ Methodological steps and implemented tools ▪ Results of some studies and comments *Detailed analysis of selected international studies*
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Dr. Atom Mirakyan (Tractebel Engineering)
15.15 - 15.30	*coffee break*	*coffee break*
15.30 - 17.00	**Traditional power system planning (TIPSP) methodology**	**Wrap-up, outlook and evaluation**
	Refresh the main results from previous day *Intro (20 min)* TIPSP objectives and co-benefits ▪ TIPSP methodology *Review and discussion on TIPSP in Vietnam*	▪ Summary of training and next steps Key take aways / learnings ▪ Next steps: Outlook of forthcoming activities: studies, round tables, online, trainings and conference ▪ Seminar evaluation and certificates
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Cecilia Strandberg (RENAC)
17.00	**End of day 1**	**<u>End of training: 16:30</u>**

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