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Assessing the Water-Food-Energy- Ecosystems Nexus in the North-Western Sahara Aquifer

Youssef Almulla

Division of Energy Systems Analysis – Royal Institute of Technology (KTH)

Stockholm - Sweden

Atelier National Tunisie

Évaluation Nexus Eau – Alimentation - Energie - Ecosystèmes dans le SASS

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- The presentation of phase 1 modelling results for the NWSAS nexus assessment was developed using Prezi. Please use the following link to see the full presentation:

https://prezi.com/p/pj5nhavjuogi/nwsas_model_02april/

- The next slide shows the summary of the sensitivity analysis of 15 LCOE scenarios in .gif format. You need to use the 'slide show' to be able to see the animation:

Sensitivity levels				
Parameter		1	2	3
Diesel LCOE	Capital cost (USD/kW)	938	938	938
	O&M cost (USD/kWh)	0,1	0,1	0,1
	Fuel cost (USD/l)	Dprice1	Dprice2	Dprice3
	Life time	10	10	10
	Env cost (USD/kg CO2)	0	0,22	0,33
Wind LCOE	Capital cost (USD/kW)	3000	2500	1500
	O&M cost (USD/kWh)	0,02	0,02	0,02
	Life time	20	20	20
PV LCOE	Capital cost (USD/kW)	2800	2000	1200
	O&M cost (USD/kWh)	0,01	0,01	0,01
	Life time	15	15	15

country	Diesel price (USD/Liter)		
	1	2	3
Algeria	0.2	0.25	0.30
Tunisia	0.63	0.79	0.95
Libya	0.11	0.14	0.17

Data <https://data.worldbank.org/indicator/ep.pmp.desl.cd>

Assumption

LCOE value per province

PV CAPEX level 1, fuel cost level 1 and environmental cost level 1

