



University of Petra - UOP (Jordan)

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C-Map 1.0 Workshop
Roma Tre University, Rome
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CASE STUDY 1

TITLE: Petra University on-grid PV Solar System

OBJECTIVE: The main objective of the plant project is to harness environmental friendly and cost optimum energy sources meeting power requirements at UOP campus thus to reduce the overall operational expenditure of the different facilities..

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TITLE: Petra University on-grid PV Solar System

RELEVANCE TO THE PURPOSE OF ENEPLAN: The project was designed and implemented taking into account the visual consideration of the campus. In order to preserve the land, all installed elements are on the roof spaces of the buildings and only part of the project (~ 200 Kw) is installed on a car parking slots.

Related issues: UOP Campus Solar system, Renewable Energy PV Solar system, on-grid PV system, Renewable Energy & Energy Efficiency Law of Jordan, Energy and Minerals Regulatory Commission (EMRC), Jordan Electric Power Company (JEPCO)

CASE STUDY 2

TITLE: Coproducing Green Communities Workshop and Publication

OBJECTIVE: The key questions addressed: • Which strategies may assist to introduce ,Green‘ concepts to Unrwa’s urban planning interventions? Which strategy therein leads to the favour of green design elements above others? • How can we assist local residents to address specific everyday challenges through a more sustainable approach regarding the use and reuse of natural resources? • How can the social capacity of refugees be mobilized to create awareness for waste, pollution and environmental degradation? • How can we reduce waste, cope with water and energy scarcity and thereby develop small-scale green economies.

CASE STUDY 2

TITLE: Coproducing Green Communities Workshop and Publication

RELEVANCE TO THE PURPOSE OF ENEPLAN:

- The case study is interesting since it addressed an area suffering low income, so all interventions were low cost. Also, it was done in a participatory manner, as the community is part of all the work stages. All designs and ideas were developed with local input , thus the implementation*
- The workshop developed prototypes that can be implemented by residents of the area with low cost materials . Mainly, addressing the impacts of climate change using local knowledge and skills in a bottom-up process..*

CASE STUDY 2

TITLE: Coproducing Green Communities Workshop and Publication

RES Development: Use of solar energy towards heating water using low-cost interventions, and improving thermal comfort using recycled or up cycled materials available locally.

Energy Efficiency/Savings: Development of a local strategy to promote the use of solar power and low tech ventilation/ heating & cooling systems