

À la carte solar training units offered by Michael Götz / ExSol

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These units can be combined for 1-3 week solar trainings with ideally 10-15 trainees (or more people with 2nd technical trainer):

- Introduction in Sunlight, movement of sun and earth, seasons, etc.
- Introduction in electricity (important for PV)
- Introduction in solar energy
- PV: theory
- PV: The autonomous system (with practical work), adapt voltages
- PV: Calculation of autonomous systems (with measuring power of appliances)
- PV: Grid-connected systems and feed-in shemas
- PV: Every element of the system in detail
- PV: IV curve of a solar panel (with measuring one), adaptation of load
- PV: Build solar lamp
- PV: Find current pathes in your solar lamp
- PV: Practically install an autonomous system
- PV, electricity: All about power banks and how to 'solarize' them
- Cooking: Theory
- Cooking: Build a solar cooker
- Cooking: Assemble parabolic cookers
- Cooking: Practical cooking
- Cooking: Project work in poor countries / communities (good practice and don'ts)
- Drying: Theory
- Drying: Build a solar dryer
- Drying: Dry fruit
- Other: Save drinking water by solar energy
- General: Renevebles vs. 'dirty' energies
- General: Compare energy consumption of countries
- General: Calculate my own footprint
- General: The threat of demografic growth
- General: The tribunal game
- Public day: preparing
- Public day: imagine questions of the visitors and find answers
- Public day
- Green jobs: Kybera project as an example
- Green job options in solar energy

- Energy saving: 'Energy study' (energy audit)

Things better done by external speakers:

- Green jobs
- A solar professional talks about his work
- Company visit
- Visit of any power plant

Plus:

- Games
- Role play
- Short videos
- Movies (Home, An inconvenient truth, 11th hour)

Other points:

- Trainings can be given in english, french, german, spanish

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