

OUTCOMES 1 - ENERGY

TOPICS	SCORE	RESULTS
Biofuel (including Energy from Organic Fraction of Municipality Solid Wastes)	17	Conversion of organic waste to biogas to compost; Home scale technology for waste conversion; Biofuel from organic waste; low cost technology for biomass production based on algae; better balance of emissions and use of sub products like biochar
Solar Energy	15	environmental cost of material; international financial support for investment on required infrastructure; self sustained generators; stirling plus fresnel lenses; develop and validate minimal systems approach to wave energy conversion; improved processes and materials; scale production to needs
Renewable Energy efficiency	15	heat recovery systems; isolated districts; explore traditional uses
Storage (including fuel cells) and transportation (including smart grids) of renewable energies	12	reduced cost; boron as an energy vector; validate certain novel and potentially efficient electrical generators; field test/validate technology solution and results.
Wind energy	6	self sustained generators; international financial support for investment on required infrastructure; identify sectors suited for every source of energy
formation & education (educate people to save energy and use alternative sources)	5	Efficient recycling of wastes as new source of energy; public educational campaigns to raise awareness
links between water and energy	5	use of hydrogen as energy storage and transport medium and to provide drinkable water
optimization of energy consumption (including energy saving) per source	4	public educational campaigns to raise awareness
system integration	3	isolated districts;
Building new labs for R&D in renewable energy	3	Advanced light weight materials for reducing energy consumptions
Renewable Energy Sources integration in architecture	3	nearly zero energy in existing buildings; passive mediterranean housing; energetically self-contained houses
Energetic cost of agricultural practices	2	experimental field monitoring
Tidal power	2	
Building new industrial plants for the required machine parts to implement the new energy sources like casting the wind turbines.	1	Design and manufacturing of solar cells or wind mills and turbines
Passive climate tools	1	passive mediterranean housing