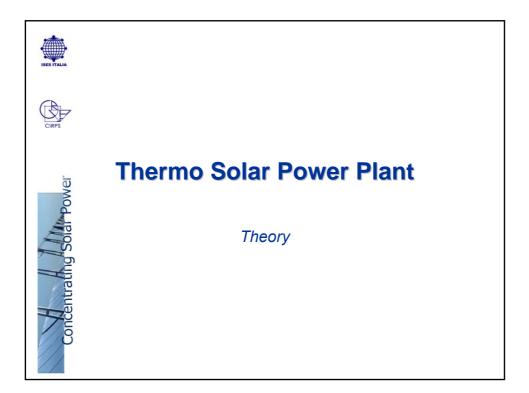
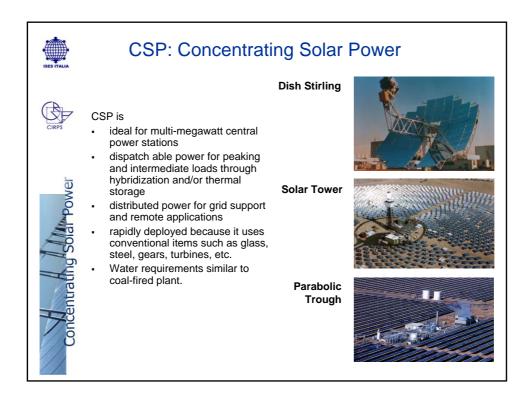


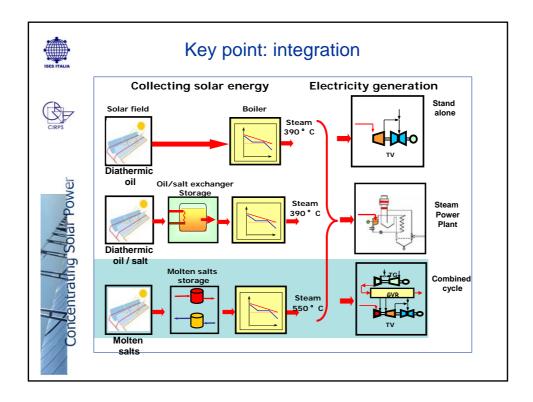
Selected Indicators	2004	2005
Investment in new renewable capacity (annual)	\$30 🛊	\$38 billion
Renewables power capacity (existing, excl. large hydro)	160 🛊	182 GW
Renewables power capacity (existing, incl. large hydro)	895 🛊	930 GW
Wind power capacity (existing)	48 🕴	59 GW
Grid-connected solar PV capacity (existing)	2.0	3.1 GW
Solar PV production (annual)	1150	1700 MW
Solar hot water capacity (existing)	77 🛊	88 GWth
Ethanol production (annual)	30.5	33 billion liters
Biodiesel production (annual)	2.1	3.9 billion liters
Countries with policy targets	45 🛊	49
States/provinces/countries with feed-in policies	37 🛊	41
States/provinces/countries with RPS policies	38	38
States/provinces/countries with biofuels mandates	22	38
ure 2-10 Renewables data 2004-2005 (REN21)		

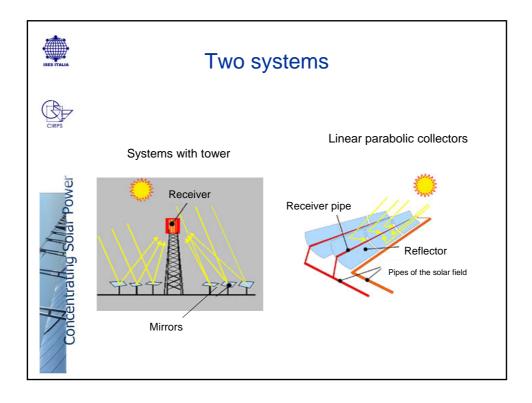
capacity			- Figure 2-13 Renewables electricity						
	World	Developing							
Technology	Total	Countries	EU-25	China	Germany	U.S.	Spain	India	Japa
Small hydropower	66	44	12	38.5	1.6	3.0	1.7	1.7	3
Wind power	59	6.3	40.5	1.3	18.4	9.2	10.0	4.4	1
Biomass power	44	24	8	2.0	1.7	7.2	0.5	0.9	> 0
Geothermal power	9.3	4.7	0.8	~ 0	0	2.8	0	0	0
Solar photovoltaic-grid	3.1	~ 0	1.7	~ 0	1.5	0.2	< 0.1	~ 0	1
Solar thermal electric	0.4	0	~ 0	0	0	0.4	~ 0	0	
Ocean (tidal) power	0.3	0	0.3	0	0	0	0	0	
Total renewable power capacity (excluding large hydro)	182	79	63	42	23	23	12	7	
For comparison:									
Large hydropower	750	340	115	80	7	95	17	n/a	4
Total electric power	4,100	1,500	710	510	130	1,060	78	n/a	28

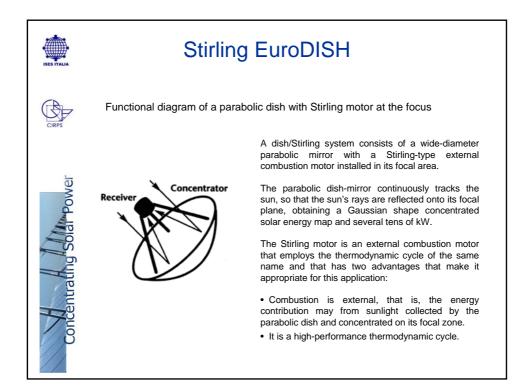


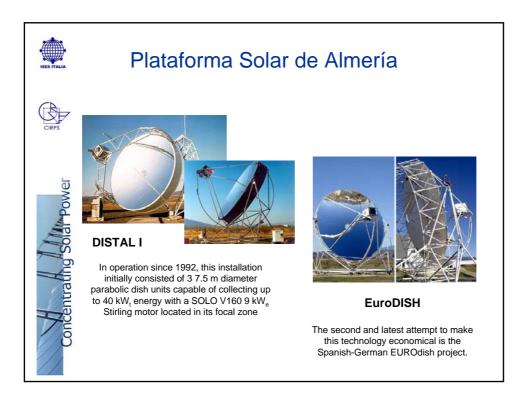


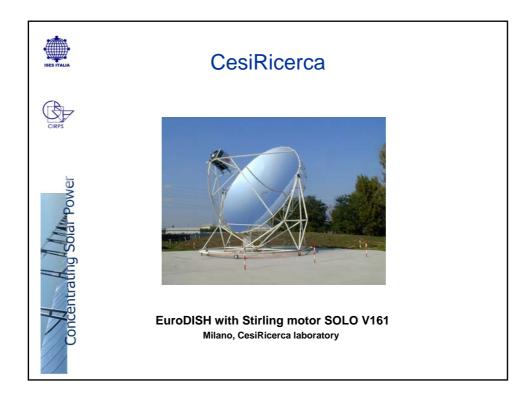






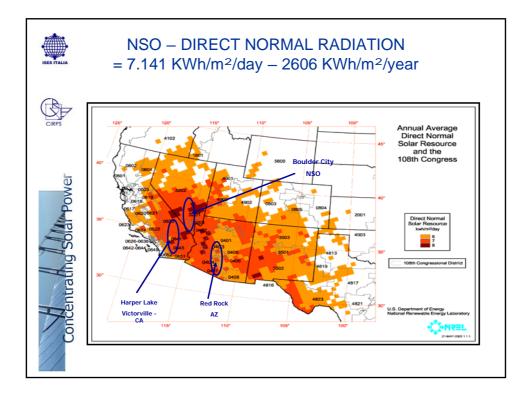




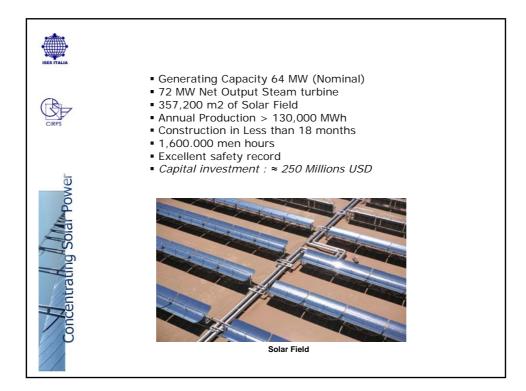


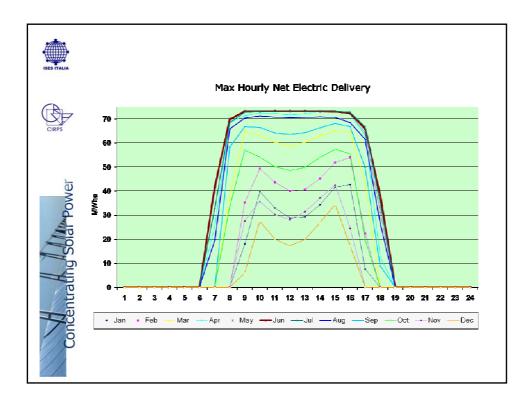


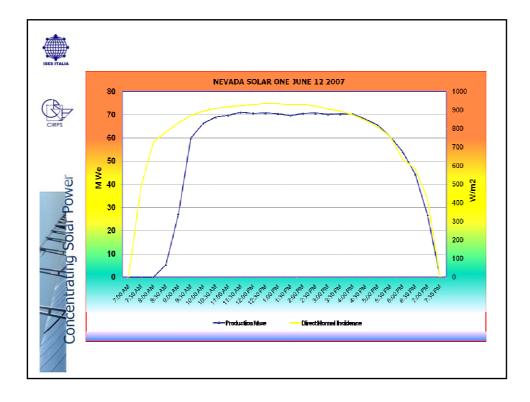


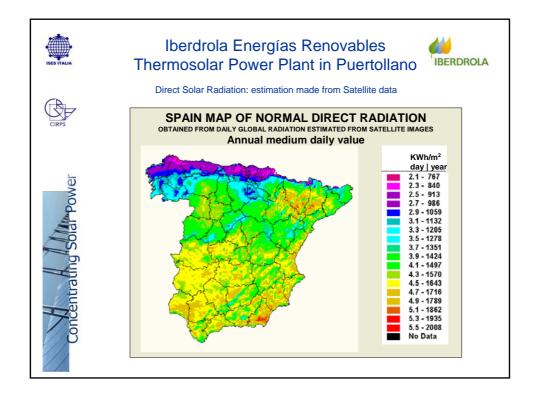


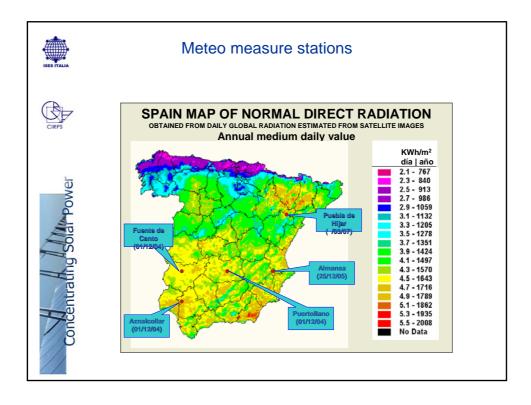
ISES ITALIA	PROJECT OVERVIEW	: NSO Characterist	ics		
		SOLAR FIELD)		
(R)		Solar Collector Assemblies	760		
		Aperture Area (m/ft)	5/16		
CIRPS		Aperture Area (m ² /sq. ft.)	470/5059		
		Length (m/ft.)	100/328		
	and the second se	Concentration Ratio	71		
		Optical Efficiency	0.77		
e	the second secon	# of Mirror Segments	182,400		
Power	a hard the state of the state o	# of Receiver Tubes	18,240		
PC -		Field Aperture (m ²)	357,200		
4		Site Area (Km ² /acres)	1.62/400		
		Field Inlet Temperature (°C/°F)	300/573		
-S		Field Outlet Temperature (°C/°F)	390/735		
ating	Land the second se	POWER BLOC	14		
Ę		Turbine Generator Gross Output			
, in the second		· · · · ·	75 MWe		
- Du		Net Output to Utility Solar Steam Inlet Pressure	72 mwe 86.1 bars/1248.8 psi		
8		Solar Steam Reheat Pressure	19.5 bars/282.8 psi		
	Allowing of the second se	Solar Steam Inlet Temperature	371°C / 700°F		
		Solar Steam miet Temperature	3/1 C / /00'F		

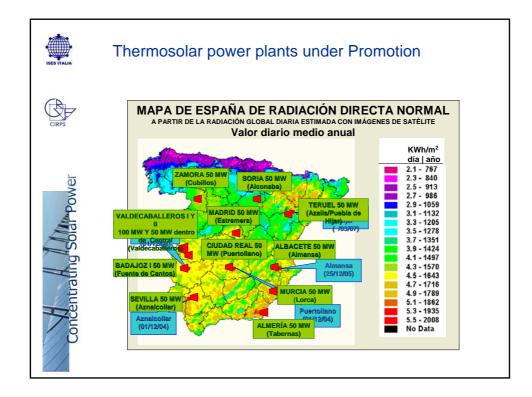


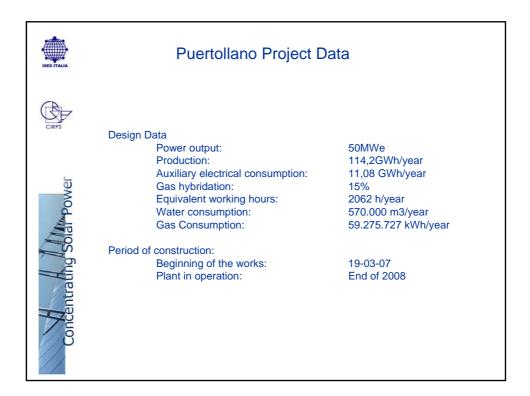


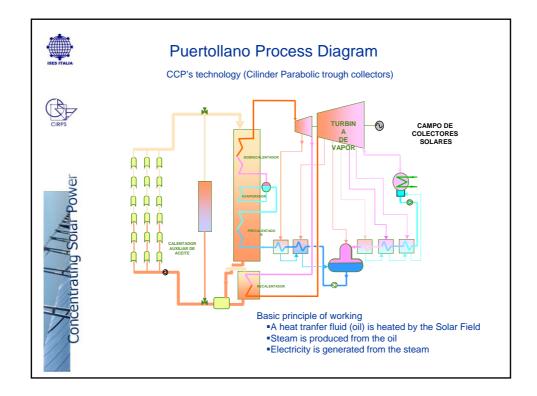




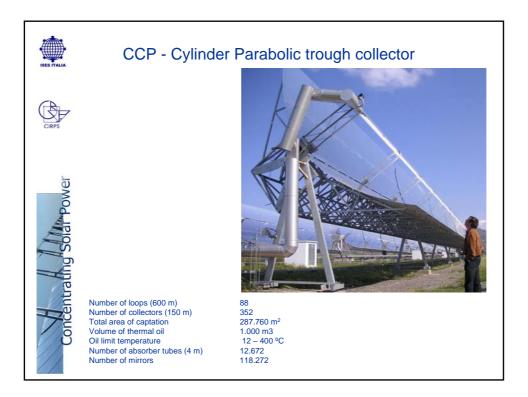


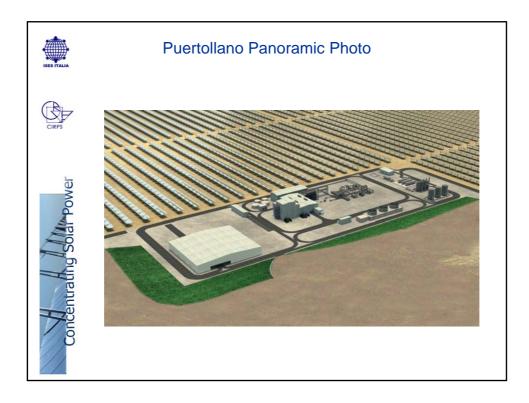




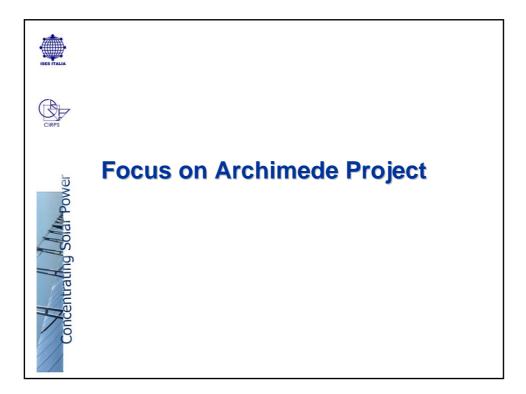


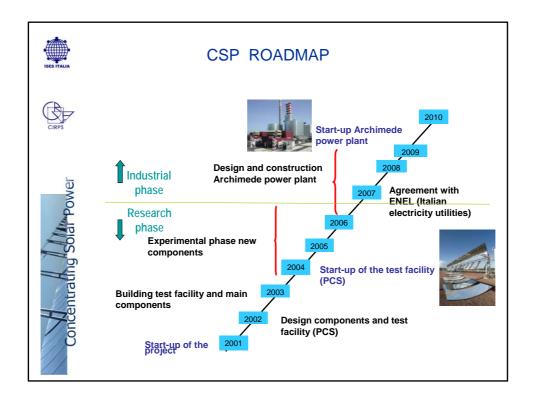


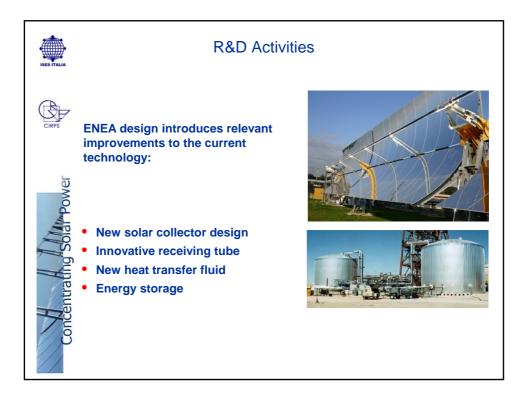


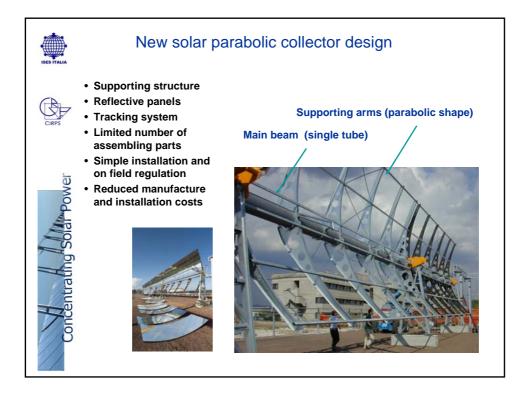


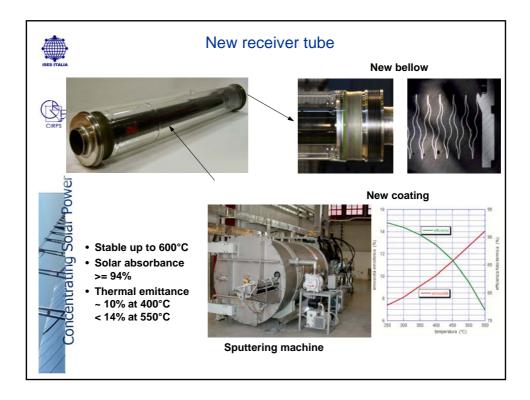


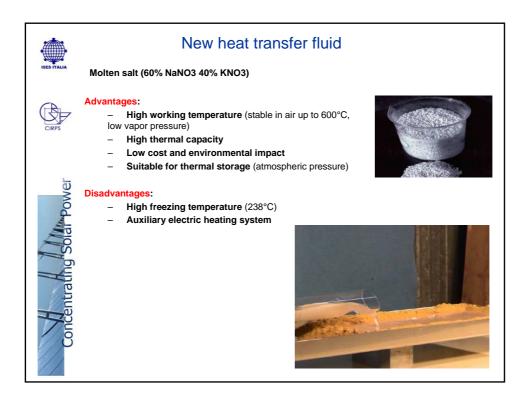


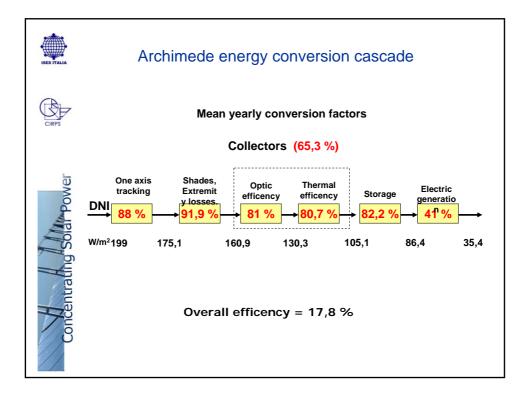


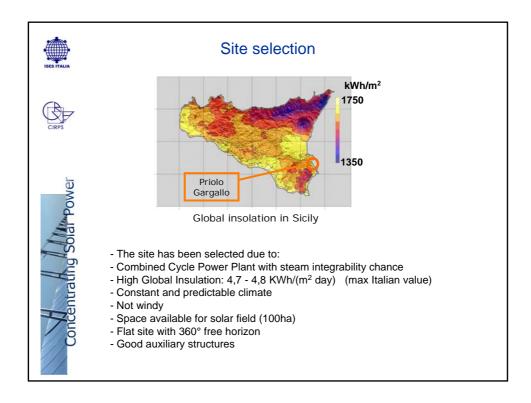














Parameter	U.M.	Value
Direct Normal Irradiation	kWh/(m ² y)	1.936
Collectors' area	m ²	40780
Hot tank temperature	°C	550
Cold tank temperature	°C	290
Thermal storage capacity	MWh	130
Maximum SG thermal power	MWt	15
Nominal electric power	MWe	5,9
Gross electric energy produced	MWh/y	12300
Primary energy saving	TOE/y	2.571
Avoided CO ₂ emissions	t/y	8.028



