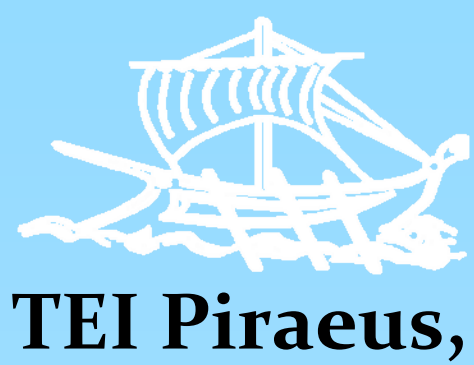


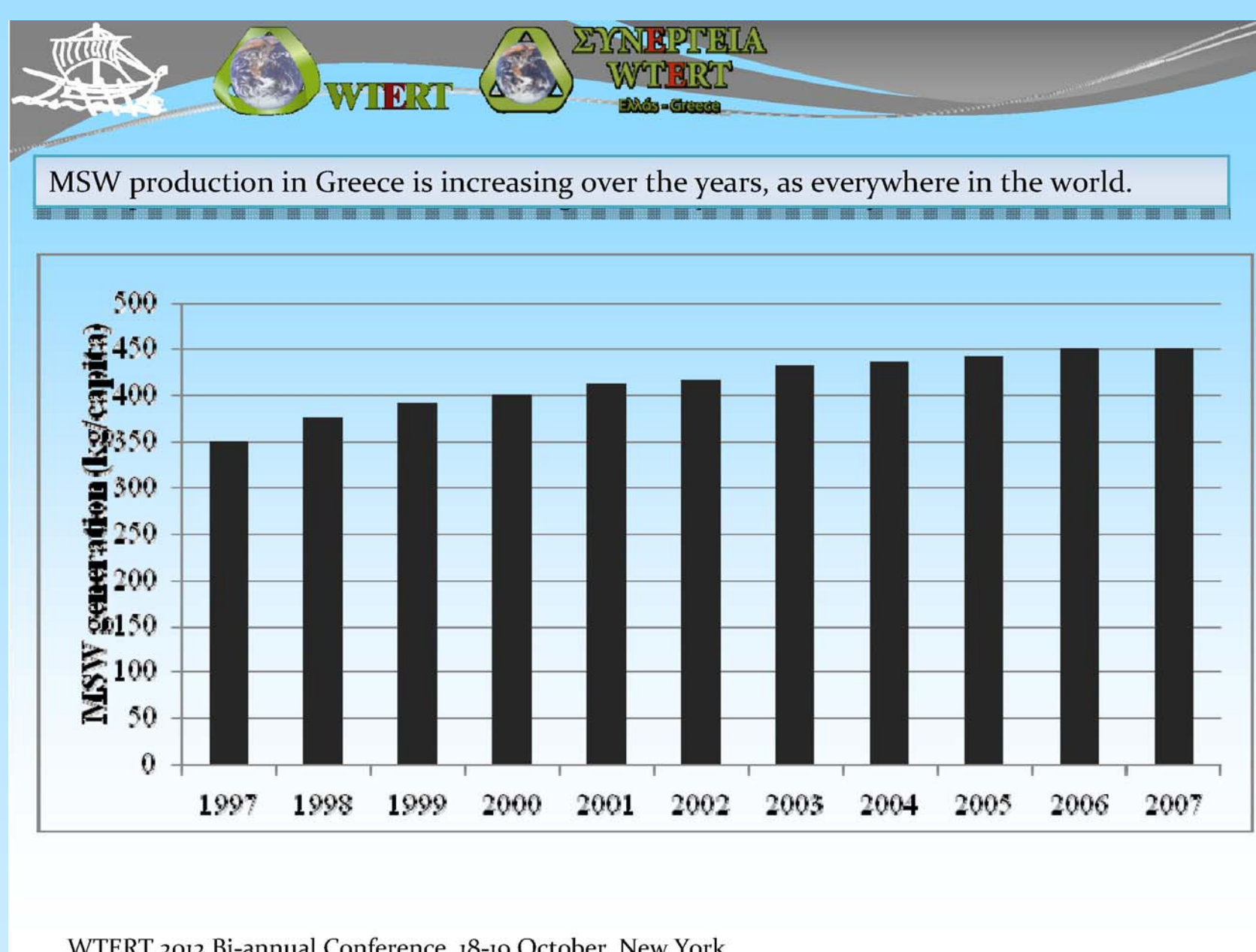
WTERT – GREECE

“Evaluating the potential for energy recovery from MSW in Greece”

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Potential for electricity production (gross) and lignite savings per Region in Greece by WTE (mass-burn and RDF/SRF utilisation)

Region	Electricity Production (Gross) / Lignite Savings	Remarks
Attica	650x10 ⁶ kWh _e /y	WTE facility of at least 1Mt/y capacity of MSW and some RDF/SRF
Central Macedonia	325x10 ⁶ kWh _e /y	WTE facility with 500 kt/y capacity of MSW and some RDF/SRF
Crete	70x10 ⁶ kWh _e /y	One dedicated RDF/SRF utilization plant of at least 105Kt/y capacity
Western Macedonia	20x10 ⁶ kWh _e /y	Co-combustion of RDF/SRF in existing coal-fired power plants
Peloponnese	76x10 ⁶ kWh _e /y	Co-combustion of RDF/SRF in existing coal-fired power plants
Epirus*†	32x10 ⁶ kWh _e /y	RDF/SRF production plant in Epirus and co-combustion in existing coal-fired power plants in Western Macedonia
Western Greece*	130x10 ⁶ kWh _e /y	WTE facility of 200 kt/y capacity combusting MSW and RDF/SRF produced locally
Central Greece* Thessaly*	227-260 x10 ⁶ kWh _e /y	WTE facility of 350-400 kt/y capacity combusting MSW and RDF/SRF produced locally
Eastern Macedonia – Thrace*	130x10 ⁶ kWh _e /y	WTE facility of 200 kt/y capacity combusting MSW and RDF/SRF produced locally
Rhodes*	65-130 x10 ⁶ kWh _e /y	WTE facility with 100-200 kt/y capacity for combusting MSW and RDF/SRF produced at other nearby Aegean islands

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Greece has 6,000 islands, islets and rocks. Only 127 are inhabited and only 79 of them have a population of more than 100 residents.

Greece is a representative example of a country which has Waste management in the islands problem to face, because 15% of the country population is living in them permanently.

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Proposed MBT and WTE facilities for energy recovery in Aegean Sea islands.

ISLAND REGION	LOCATION OF WTE UNITS	WTE UNITS CAPACITY (tonnes per year)	PROPOSED SRF/RDF UNITS	CAPACITY of PROPOSED SRF/RDF UNIT (tonnes per year)	PRODUCED RDF/SRF (tonnes per year)	LAND-FILLING
SARONIC GULF	ATHENS	1,000,000	SALAMINA	20899	11474	2694
			AIGINA	9448	5022	961
			POROS	2935	160	308
			SPETSES	2698	1448	277
			KITHIRA	2264	1243	238
NORTH AEGEAN	LESVOS	130,000 (MSW and RDF/SRF)	LEMNOS	8685	4768	92
			CHIOS	17630	9799	1859
			SAMOS	12418	6817	1304
			IKARIA	2822	1549	206
CYCLADES	ATHENS	1,000,000	SYROS	10308	5699	1082
			NAXOS	12414	6815	1303
			ANDROS	6832	3751	717
			MYKONOS	7522	4130	790
			MILOS	3296	1788	342
			PAROS	8497	4665	892
DODEKANESE	RHODES	180,000	KOS	33864	18991	3595
			LEROS	5544	3044	582
			KALYMNOS	11081	6084	1164
			KARPATHOS	5693	3125	598
			PATMOS	2777	1525	292
SPORADES	LARISSA	350,000	SKIATHOS	2293	1259	241
			SKOPELOS	1748	960	184

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