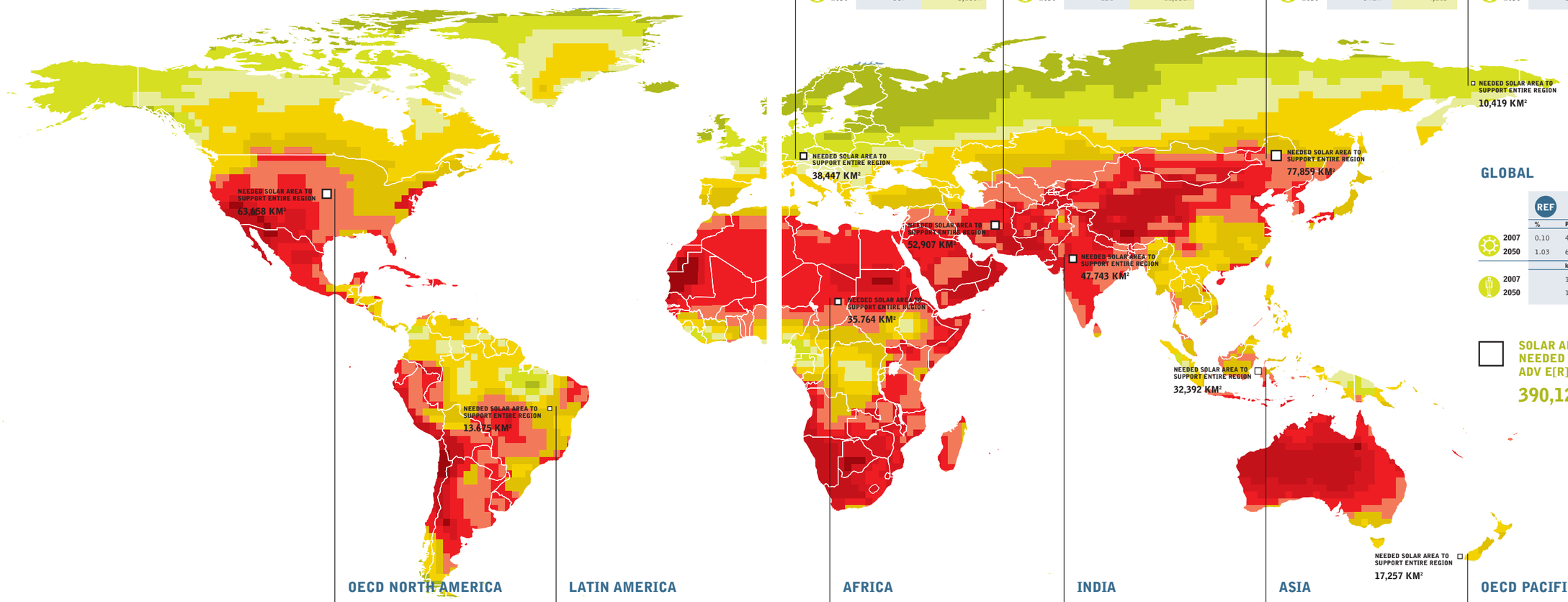
map 8.5: solar reference scenario and the advanced energy [r]evolution scenario

WORLDWIDE SCENARIO



OECD EUROPE

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.09M	70		
2050	1.42H	1,173	23	10,680
		kWh		kWh
2007		36M		
2050		567		5,160M

MIDDLE EAST

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.17H	36		
2050	0.62	319	53H	14,696
		kWh		kWh
2007		50H		
2050		251		11,552H

CHINA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.22L	182L		
2050	0.95	1,754H	20	21,628H
		kWh		kWh
2007		38		
2050		342M		4,213

TRANSITION ECONOMIES

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.01L	2		
2050	0.10L	63L	8,34	2,894
		kWh		kWh
2007		2		
2050		56		2,586

GLOBAL

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.10	402		
2050	1.03	6,322	23.26	108,367
		kWh		kWh
2007		17		
2050		192		246,894

SOLAR AREA NEEDED TO SUPPORT ADV E[R] 2050 SCENARIO

390,122 KM²

OECD NORTH AMERICA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.06M	64H		
2050	1.04M	1,343	25M	17,683
		kWh		kWh
2007		40		
2050		646		8,508

LATIN AMERICA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.03	6		
2050	0.52	214	14L	3,799L
		kWh		kWh
2007		4		
2050		99		1,758

AFRICA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.00	1		
2050	0.94	405	28	9,934
		kWh		kWh
2007		0.2		
2050		56L		1,380

INDIA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.02L	6L		
2050	0.23	182	24	13,262M
		kWh		kWh
2007		1		
2050		31		2,282

ASIA

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.01L	4L		
2050	0.58	405	22	8,998
		kWh		kWh
2007		1L		
2050		74		1,649L

OECD PACIFIC

	REF %	REF PJ	E[R] %	E[R] PJ
2007	0.08	30M		
2050	1.14	466M	23	4,794
		kWh		kWh
2007		42		
2050		719H		7,405

RENEWABLE RESOURCE

SOLAR

LEGEND

2600-2800 | 2400-2600 | 2200-2400 | 2000-2200 | 1800-2000 | 1600-1800 | 1400-1600 | 1200-1400 | 1000-1200 | 800-1000 | 600-800 | 400-600 | 200-400 | 0-200

RADIATION IN kWh PER SQUARE METER
SOURCE DLR

REF REFERENCE SCENARIO

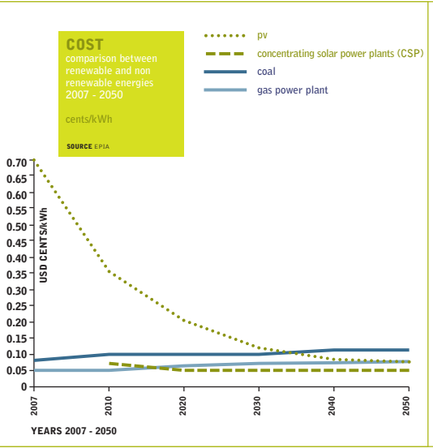
E[R] ADVANCED ENERGY [R]EVOLUTION SCENARIO

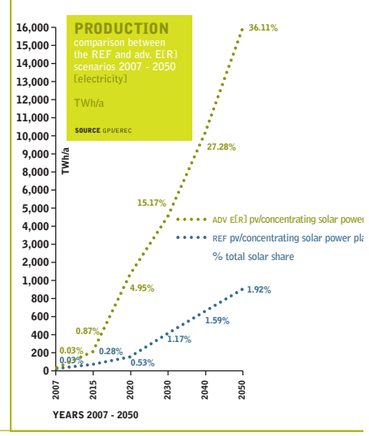
0 1000 KM

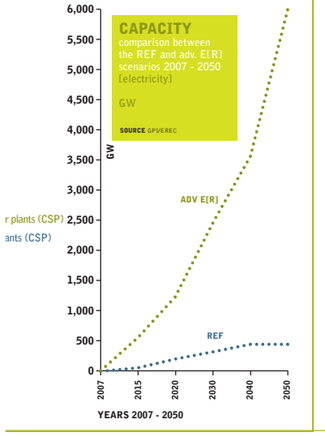
PRODUCTION PER REGION % OF GLOBAL SHARE | PETA JOULE [PJ]

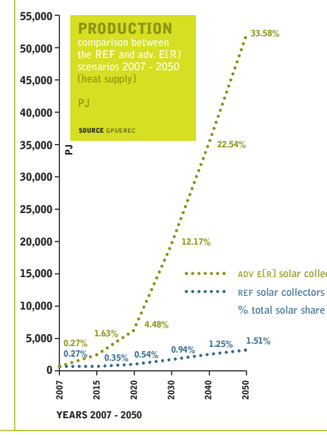
PRODUCTION PER PERSON KILOWATT HOUR [kWh]

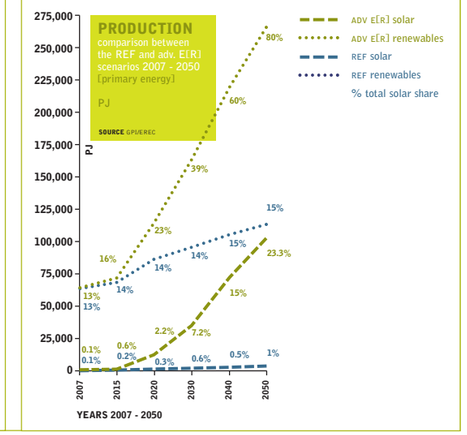
H HIGHEST | M MIDDLE | L LOWEST











GREENPEACE
DESIGN WWW.ONEHEMISPHERE.SE CONCEPT SVEN TESKE/GREENPEACE INTERNATIONAL.