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EUSUSTEL

WP3 Progress report

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Distribution of work & progress by partners

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#	Short name		1st draft	Contributor	Reports	Reviews	Progress		
1	KULeuven	X	3.1.2-3; 3.2.2; 3.4.1-2	3.3.6-7	3.4	3.2.1; 3.3.1e1	Oil & gas and fusion reports in progress. DG & GHG?	3.1.1	Coal
2	USTUTT	X	3.1.1*,4	3.1.1*	3.1		Lignite tech. & CO2 capture getting started	3.1.2	Oil & gas
3	HUT	X	3.3.2	3.3.3,9	3.3		Solar cell tech. first draft almost completed.	3.1.3	CHP
4	ICCS/NTUA						Not involved	3.1.4	CO2 capt.
5	UU	X	3.3.4-5,8-9				Good progress. Some parts to be published on int. journals.	3.2.1	Fission
6	AIEE	(x)				3.2.2; 3.3.5	Only reviewing	3.2.2	Fusion
7	Imperial	X	3.3.3,6-7				Not started yet	3.3.1	Wind
8	ECRIN	X	3.2.1		3.2	3.1.2,4; 3.3.4,(2,5)	Not started?	3.3.2	PV
9	CIEMAT	X		(3.1.1-4; 3.3.3)			Not started yet	3.3.3	Bio
10	Risoe	X	3.1.1*; 3.3.1	3.1.1*,3		3.3.2,6,8	Not started?	3.3.4	Hydro
								3.3.5	Geo
								3.3.6	FC
								3.3.7	H2
								3.3.8	Storage
								3.3.9	Specul.
								3.4.1	DG integr.
								3.4.2	GHG



Case: Photovoltaic Technology (1 of 3)

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Table 1. Efficiencies of commercial modules

Type	Range of module efficiency [%]	Maximum Recorded Module Efficiency [%]	Maximum Recorded Laboratory Efficiency [%]
Single crystalline silicon	12-15	22.7	24.7
Multicrystalline silicon	11-14	15.3	19.8
Amorphous silicon	5-7	-	12.7
Cadmium telluride	5.0-8.6	10.5	16.0
CIS	7.2-9.4	12.1	18.2



Case: Photovoltaic Technology (2 of 3)

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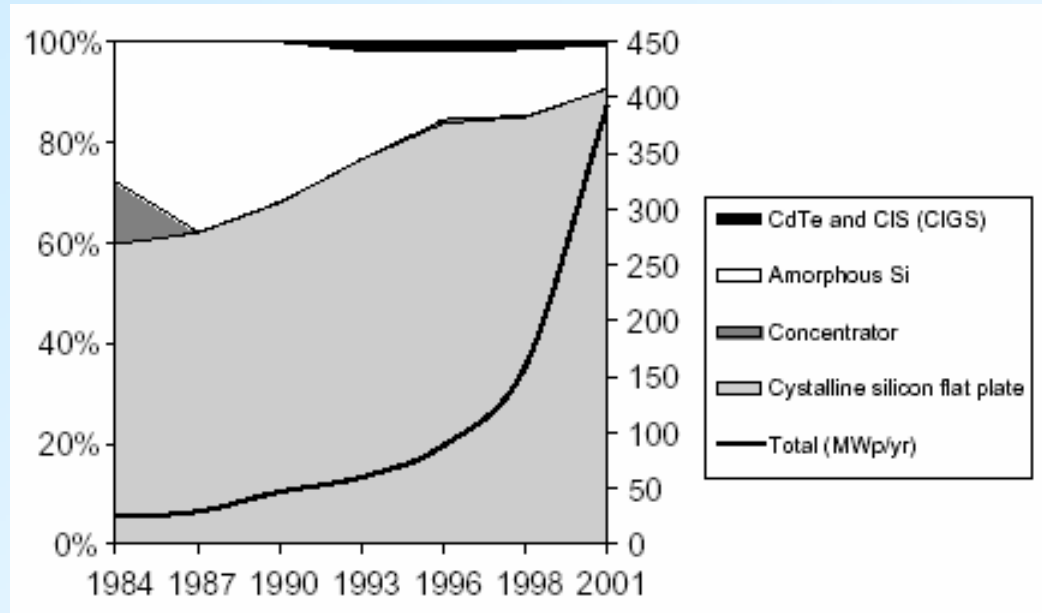


Figure 1. PV market growth



Case: Photovoltaic Technology (3 of 3)

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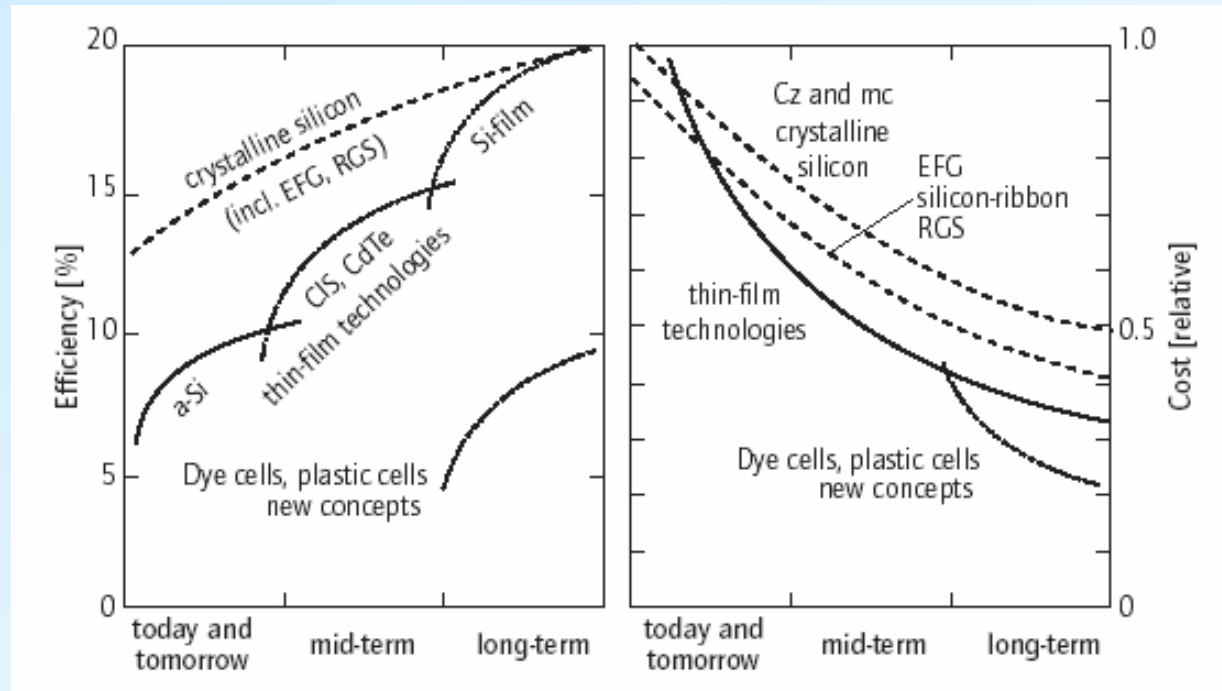


Figure 2. Conceptual PV technology roadmap



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Any comments or questions ?!?

