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NEGST

New Generation of Solar Thermal Systems

Instrument: Coordination Action (CA)

Thematic Priority: PRIORITY 6-1: Sustainable energy systems
SUSTDEV-1.1.1, SUSTDEV-2002-6.1.3.1.1.2-4, SUSTDEV-1.2.6

Final Plan for Using and Disseminating the Knowledge

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Project coordinator name:
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Project coordinator organisation name:
Universität Stuttgart
Institut für Thermodynamik und Wärmetechnik (ITW)

PLAN FOR USING AND DISSEMINATING THE KNOWLEDGE

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Section 1 - Exploitable knowledge and its Use

The idea of this project is that the knowledge gained should be spread out as much as possible and everybody should have access to the results. The intention is that the results should be used for further research and industrial exploitation beyond the project lifetime and beyond the consortium. The project participants will have the normal rights to what they produce in the sense that citing or copying from articles and reports shall be done with a reference to the authors, but all written material will be publicly available except:

- consortium agreement (restricted to participants and Commission Services)
- internal project meeting minutes and subtask status reports (restricted to participants and Commission Services)
- material dedicated for the European Standardisation Committee TC312 (restricted for TC312 members, CEN member bodies and Commission Services)
- restricted web site area with internal discussions (restricted to participants and Commission Services)

In general the results of the project can be grouped and exploited based on the 3 categories shown in the following table:

Exploitable Knowledge (description)	Exploitable product(s) or measure(s)	Sector(s) of application
Project information and presentation	Internet, newsletter, press releases	public, solar thermal branch
Technical reports	Internet, magazine articles	solar thermal branch, architects, end users
Reports related to standardisation work	Internet	TC312 members, CEN member bodies

Table: Exploitation of knowledge

The results of the work carried out within this project will not be directly commercially exploitable (e. g. in form of patents) in such a way, that they will result in financial income of the project partners during the lifetime of the project. This is due to the fact, that it is not foreseen to incorporate the knowledge gained and elaborated during this project directly into a specific commercial product.

The overall goal of the project is to introduce more cost-effective solar thermal systems, particularly for domestic hot water preparation and / or space heating and cooling, to the market. After the official termination of the project by the end of June 2007 the main project results are available in terms of the deliverables specified in Section 3 of this report.

In order to enable the specific target groups to access the deliverables immediately and free of charge it is intended that the project internet website

“<http://www.swt-technologie.de/html/negst.html>”

will be online accessible at least until 2012.

Section 2 - Dissemination of knowledge

One major aspect of the project work was the dissemination of the knowledge gained. Knowledge transfer was intensively carried out by workshops, conferences, publications, press releases, magazine articles and seminars. At the end of the project a “Final NEGST project presentation workshop” was held at the occasion of the Intersolar trade fair on June 2007 in Freiburg, Germany. This trade fair is worldwide the largest trade fair of solar thermal technology and the NEGST project became acquainted to a huge number of solar specialists from different target groups. At the workshop itself 75 international participants were discussing the NEGST project results and future prospects of solar thermal technology.

In this section all past and future dissemination activities are described in detail.

The description is given in the way that the most important information is listed in the following overview table. The details related to the individual dissemination activities are described in the list following the overview table.

Overview Table

No.	Planned/ actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
1	Aug. 2004	Project web-site	General public, research, industry	worldwide	n.a.	ITW
2	Sept. 2004	Press release	General public, research, industry	all of Europe	n.a.	ITW
3	Sept. 2004	Newsletter	General public, research, industry	all of Europe	n.a.	ITW
4	Sept. 2004	Press release	General public, research, industry	Germany	n.a.	ITW
5	Sept. 2004	Press release	General public, research, industry	France	n.a.	CSTB
6	Sept. 2004	Press release	General public, research, industry	Italy	n.a.	ENEA
7	Sept. 2004	Press release	General public, research, industry	Greece	n.a.	DEM
8	Sept. 2004	Presentation	Research	Kyrgyzstan	30	Uni Kassel
9	Oct. 2004	Press release	General public, research, industry	Sweden	n.a.	SP
10	Oct. 2004	Press release	General public	Germany	n.a.	ITW
11	Nov. 2004	Press release	Research, industry	all of Europe	n.a.	ESTIF
12	Nov. 2004	Workshop	Research, industry	all of Europe	20	ESTIF
13	Nov. 2004	Presentation	Research	Germany	100	Uni Kassel
14	Dec. 2004	Press release	Higher education	Germany	n.a.	ITW
15	Mar. 2005	Press release	General public, research, industry	Netherlands	n.a.	TNO, Ecofys
16	Apr. 2005	Workshop	Research, planers, architects, industry, decision makers, students	Norway	100	UIO, ITW
17	Apr. 2005	Press release	Research, industry	Germany	n.a.	ITW
18	June 2005	Newsletter	General public, research, industry	all of Europe	n.a.	ITW

19	June 2005	Workshop	Technicians of Energy Agencies	Portugal	22	INETI
20	June 2005	Workshop	Industry, research, research management	Switzerland	20	SPF
21	June 2005	Conference, publication	Research, industry	all of Europe	n.a.	ITW
22	June 2005	Conference, publication	Research, industry	all of Europe	n.a.	ESTIF
23	June 2005	Exhibition	General public, industry	all of Europe, emphasis Germany	50	ITW
24	July 2005	Presentation	General public	Germany	50	Uni Kassel
25	July 2005	Newsletter	General public, research, industry	Sweden	n.a.	SP
26	July 2005	Newsletter	General public, research, industry	Portugal	n.a.	INETI
27	August 2005	Conference, publication	Research, industry	worldwide	500	SP
28	Sept- 2005	Press release	General public, research, industry	Netherlands	n.a.	TNO, Ecofys
29	Sept. 2005	Workshop	Research, industry	Italy	60	ENEA
30	Sept. 2005	Workshop	General public, research, industry	Germany	50	ITW
31	Oct. 2005	Publication	General public, research, industry	Italy	n.a.	ENEA
32	Oct. 2005	Presentation	General public, research, industry	Germany	40	Uni Kassel
33	Oct. 2005	Publication	General public, research, planners	Austria, Germany	n.a.	AEE INTEC
34	November 2005	Workshop	Industry, general public	Austria	103	AEE INTEC
35	November 2005	Workshop	Research, industry	Portugal	52	INETI
36	November 2005	Seminar	Industry, research	Denmark	50	DTU
37	November 2005	Workshop	Architects, planners, consultants	Norway	30	UiO
38	December 2005	Workshop	Research departments of Austrian solar industry	Austria	20	AEE INTEC / SPF, ITW
39	December 2005	Seminar	Industry	Norwegian	50	UiO
40	December 2005	Workshop	Research, industry	all of Europe	30	ESTIF
41	January 2006	Seminar	Industry, Research	Nordic	50	DTU, SERC, UiO
42	March 2006	Promotional material	Industry, research, general public	Greece	-	DEM
43	March 2006	Presentation	Industry, research	France	n.a.	CSTB
44	April 2006	Workshop	General public	Germany	40	Uni Kassel

45	May 2006	Poster	Research, industry	Germany, Austria, Switzerland	300	ITW
46	May 2006	Presentations	Research, industry, policy	Mexico	20 & 350	Uni Kassel
47	June 2006	Workshop	Research, industry	Austria	10	Arsenal/AEE INTEC
48	June 2006	Workshop	Industry	Greece	150	Demokritos
49	June 2006	Presentation	Research, industry	all of Europe	-	DTU
50	June 2006	Presentation	Research industry	all of Europe	-	DTU
51	June 2006	Presentation	Research industry	all of Europe	-	INETI
52	June 2006	Newsletter	General public, research, industry	all of Europe	n.a.	ITW
53	October 2006	Workshop	Industry, research	Spain	n.a.	INTA
54	November 2006	Workshop	Industry, research	Denmark	75	BYG.DTU
55	November 2006	Workshop	Industry, research	Sweden	70-80	SERC, SP, UiO, DTU
56	November 2006	Presentation	Industry, research	Portugal, Spain	-	INETI
57	November 2006	Presentation	Research, general public	Germany	40	Uni Kassel
58	2006	Publication	Research, industry, general public	Portugal	-	INETI
59	November 2006	Presentation	Industry	Austria	30	arsenal
60	December 2006	Presentations	Research	Japan	20 & 150	Uni Kassel
61	December 2006	Publication	Industry, research	worldwide	-	AEE INTEC
62	December 2006	Workshop	Industry, research	all of Europe	30	ESTIF
63	January 2007	Article	Industry, research, policy	all of Europe	-	ITW
64	January 2007	Publication	Industry, research	Sweden	-	SP
65	January 2007	Brochure	General public, research, planners	all of Europe	2300 printed copies	AEE INTEC
66	February 2007	Workshop	Industry	The Netherlands	25	TNO, Ecofys
67	February 2007	Presentation	Research, policy	all of Europe	n.a.	arsenal
68	February 2007	Presentation	Greek Solar Industry Association (EBHE)	Greece	15	DEM
69	March 2007	Publication	Research, industry, planners	German speaking countries	5000	AEE INTEC
70	March 2007	Workshop	Industry, research	Denmark	20	BYG.DTU
71	March/ April 2007	Publication	Research, industry	worldwide	-	AEE INTEC

72	April 2007	Workshop	Industry	Germany	75	ITW
73	April 2007	Workshop	Industry	all of Europe	30	ESTIF
74	April 2007	Workshop	Research, industry	Italy	50	ENEA
75	May 2007	Presentation	Industry, Governmental, General Public	Cyprus	50	DEM
76	May 2007	Press release	General public, research, industry	all of Europe	n.a.	ITW
77	May 2007	Newsletter	General public, research, industry	all of Europe	n.a.	ITW
78	May 2007	Conference, publication	Industry, research	Germany, Austria, Switzerland	500	arsenal
79	June 2007	Presentation	Greek Standardization Body (ELOT)	Greece	10	DEM
80	June 2007	Final project presentation workshop	Industry, research	all of Europe	75	all
81	June 2007	Publication	Industry, planners	Germany	-	AEE INTEC, ITW
82	June 2007	Conference, publication	Research, industry	all of Europe	n.a.	ITW
83	June 2007	Conference, publication	Research, industry	all of Europe	n.a.	ENEA
84	June 2007	Conference, publication	Research, industry	all of Europe	n.a.	SP
85	June 2007	Conference, publication	Research, industry	all of Europe	n.a.	arsenal
86	June 2007	Conference, publication	Research, industry	all of Europe	n.a.	Uni Kassel
87	June 2007	Publication	Research, industry, planners	German speaking countries	5000	AEE INTEC
88	June 2007	Publication	Industry, planners	German speaking countries	-	AEE INTEC
89	June 2007	Publication	Industry	Portugal	5000	INETI
90	June 2007	Workshop	Industry, policy, general public	Austria	250	arsenal, AEE INTEC
91	Sept 2007	Conference, publication	Research	worldwide	n.a.	Uni Kassel
92	Sept 2007	Conference, publication	Research, industry	China	700	SERC
93	Oct 2007	Publication	Planners	France	n.a.	CSTB
94	December 2007	Publication	Architects, Planners	Norway	-	Uni Oslo
95	December 2007	Presentation	Industry federation	Netherlands	25	Ecofys

n.a. (not applicable)

Details

1	Project web-site http://www.swt-technologie.de/html/negst.html	ITW Aug. 04
2	First Press Release – September 2004 http://www.swt-technologie.de/html/press.html	ITW Sept. 04
3	Newsletter No. 1 – September 2004 http://www.swt-technologie.de/NEG_NL1.pdf	ITW Sept. 04
4	First Press Release in German - September 2004 http://www.swt-technologie.de/html/press.html	ITW Sept. 04
5	First Press Release in French - September 2004 http://www.swt-technologie.de/html/press.html	CSTB Sept. 04
6	First Press Release in Italian - September 2004 http://www.swt-technologie.de/html/press.html	ENEA Sept. 04
7	First Press Release in Greek - September 2004 http://www.swt-technologie.de/html/press.html	DEM Sept. 04
8	Presentation at Technical University of Kyrgyzstan, Bishkek, 23.9.04: 'Solar Heating in Europe'	Sept. 04 Uni Kassel
9	First Press Release in Swedish - October 2004 http://www.swt-technologie.de/html/press.html	SP Oct. 04
10	Umweltmagazin; EU-Projekt für Solaranlagen der nächsten Generation; 10/2004 http://www.technikwissen.de/umwelt/aktuell/newsdetail.asp?id=6322	ITW Oct. 2004
11	ESTIF Newsletter: Solar Thermal Capacity	ESTIF Nov. 2004
12	WP4 presentation at ESTIF GA; November 2004 separate workshop before ESTIF GA	ESTIF Nov 2004
13	Lecture within the series of lectures at the University Kassel about 'environment needs technologies – renewable energies' Kassel, 23.11.04	Uni Kassel Nov. 2004
14	Stuttgarter unikurier Nr. 94; Solaranlagen der nächsten Generation: Gutes kann noch besser werden; 2/2004, Seite 69-70 http://www.uni-stuttgart.de/uni-kurier/uk94/forschung/fw69.html	ITW Dec. 2004
15	<u>1st Persbericht</u> NEGST: Nieuwe Generatie Zonthermische systemen, 1 st press release (translated) submitted to 3 technical journals: TVVL magazine, V&V+, Duurzame Energie	TNO, Ecofys February, March '05
16	4 th Rebus project meeting; University of Oslo; April 11-12, 2005 http://energi.fysikk.uio.no/rebus/oslo_rebus.html	ITW, UIO April 2005
17	estec 2005; news; Solaranlagen der nächsten Generation; 2005 http://www.newsletterpage.de/87+M52e6f2bb753.html	ITW April 2005
18	Newsletter No. 2 – June 2005 http://www.swt-technologie.de/NEG_NL2.pdf	ITW June 2005
19	RENAE – National Network of Energy Agencies; Miranda do Corvo; Portugal; June 3rd, 2005 Presentation of NEGST project at a seminar on solar thermal energy	INETI June 2005

20	Industrietag 2005: NEGST-Industry Workshop; Rapperswil, Switzerland; June 2 nd , 2005	SPF June 2005
21	estec 2005; New Generation of Solar Thermal – an EU Project; June 21 st -22 nd , 2005; Freiburg, Germany http://www.estec2003.org/2005/	ITW June 2005
22	estec 2005; Next Generation of Standards (NEGST/WP4); June 22 nd , 2005; Freiburg, Germany http://www.estec2003.org/2005/	ESTIF June 2005
23	Intersolar 2005; Neuheitenbörse; Neue Trends bei thermischen Solaranlagen; June 23 rd , 2005; Freiburg	ITW June 2005
24	Presentation at the German Solar Energy Society, section Kassel, 7.7.05 at the city hall in Kassel	Uni Kassel July 2007
25	Newsletter No. 2 in Swedish – July 2005	SP July 2005
26	Newsletter No. 2 in Portuguese – July 2005 http://www.swt-technologie.de/NEG_NL2.pdf	INETI July 2005
27	ISES 2005; Towards Procedures for Environmental Performance Assessment of Solar Thermal Products, August 8-12, 2005; Orlando, Florida, USA	SP August 2005
28	First Press Release in Dutch, technical magazines	TNO, Ecofys 2005
29	National Workshop on solar thermal energy with industry; ENEA Research Centre Trisaia, Italy; September 22 nd , 2005 Presentation of NEGST project.	ENEA Sept. 2005
30	Workshop Solare Fassaden, 2. Impulskongress innovative Dämmstoffe im Bauwesen, Augsburg, Germany	ITW Sept. 2005
31	Il sole a 360 gradi – Newsletter di ISES Italia, Nr. 9; Focus Tecnologia: “Applicazioni avanzate del solare termico”; 10/2005	ENEA Oct. 2005
32	Presentation: ‘Solartechnik – technische und wirtschaftliche Möglichkeiten zum Einsatz der Solarthermie’ Energy trade fair and exhibition at Heiligenstadt, Germany, 6.-7.10.05	Uni Kassel Oct. 2005
33	Publication in Heizung Lüftung Klima on „Sonnenkollektoren als Elemente der Architektur“ http://www.swt-technologie.de/html/newsletters.html	AEE INTEC October 2005
34	Seminar - Sonnenkollektoren als Elemente der Architektur, November 11 th , 2005, St. Pölten, Austria	AEE INTEC Nov 2005
35	Seminário colectores solares, November 23 rd , 2005, Lisbon, Portugal	INETI Nov 2005
36	Seminar - New solar heating products for a changed market, November 9, 2005, Kgs. Lyngby, Denmark Website: http://www.altomsolvarme.dk/solvarmecenter/63-branche-ida-fr.html	DTU Nov 2005
37	Workshop „Sol i arkitekturen“, November 4, 2005, Oslo, Norway	UIO Nov 2005
38	Workshop Solare Kombianlagen – Märkte und Innovationen in Europa, December 2 nd , 2005, Salzburg, Austria	AEE INTEC Dec 2005

39	"Statkraft-alliansens" brainstorming workshop on on new renewables (with contribution on next generation of solar thermal systems), Hadeland, Norway, December 08-09, 2005.	UiO Dec 2005
40	Workshop on Standards & Certification for ESTIF members (WP4)	ESTIF Dec 2005
41	"Solar Energy Seminar"(with contributions from NEGST partners related to WP1) in Lund, Institute of Technology, Sweden, January 17, 2006 website: http://energi.fysikk.uio.no/rebus/m_lund17012006.html	DTU, SERC, UiO Jan 2006
42	Dissemination of promotional material at the National Renewable Energy Conference	DEM March 2006
43	French Committee of Standardization: Project Presentation of NEGST	CSTB March 2006
44	"Praxis-Workshop Solarthermie", organized by Uni Kassel in cooperation with the German Section of 'Friends of the Earth' at Kassel University, Apr. 1, 2006 with presentations by two participants of WP1 and WP4	Uni Kassel April 2006
45	Otti 16. Symposium Thermische Solarenergie, Neue Trends bei thermischen Solaranlagen - Zwischenergebnisse des EU-Projektes NEGST, May 17th-19th, 2006, Bad Staffelstein, Germany	ITW May 2006
46	Presentations on 'Solar Heating – State of the Art in Europe' at Universidad Autonoma de la Ciudad de Mexico, Mexico City, 23.5.06	Uni Kassel May 2006
47	NEGST Workshop, WP1 + WP2, Workshop on large solar thermal systems, Seville, Spain	INTA May 2006
48	Promotion Actions for the Dissemination of Solar Thermal Technology in Greece - The National Policy, Athens, Greece	Demokritos June 2006
49	EuroSun 2006; Evaluation of test method for solar collector efficiency	DTU June 2006
50	EuroSun 2006; Development of a compact solar combisystem	DTU June 2006
51	EuroSun 2006; "Solar Thermal Space heating combined with swimming pool heating - a promising solution for Southern European Climates"	INETI June 2006
52	Newsletter No. 3 – June 2006 http://www.swt-technologie.de/NEG_NL3.pdf	ITW June 2006
53	International Conference on Renewable Energies and Water Technologies (CIERTA 2006, Almeria, Spain)	INTA October 2006
54	Workshop "Solvarme - kombianlaeg og varmelagring", Technical University of Denmark http://www.altomsolvarme.dk/solvarmecenter/63-branche-ida-fr.html	DTU November 2006
55	Workshop on building integration and promising system technology including large solar thermal systems. Presentations can be found at http://www.physics.uio.no/energy/rebus	SERC, SP, UiO, DTU November 2006
56	XIII Iberian Congress of solar energy "Sistema Solar para Aquacimento Ambiente e Aquacimento de Piscinas - uma soluca promissora para climas do sul da Europa"	INETI November 2006

57	Presentation at the ,Interdisziplinäres Seminar zur Umwelt- und Konfliktforschung', Universität Marburg, 21.11.05	Uni Kassel November 2006
58	Article in "Solar Energy Magazine" based on the translation of 1 st Newsletter	INETI 2006
59	Presentation on system concepts for collective solar thermal systems at the general assembly of the Austrian solar thermal association	arsenal November 2006
60	Presentations on 'Solar Heating –Recent Developments in Europe' Solar Energy Society of Japan, Atsugi University (Japan), 15.12.06	Uni Kassel December 2006
61	Publication in Renewable Energy World on "System Integration" http://www.swt-technologie.de/html/newsletters.html	AEE INTEC December 2006
62	Workshop on Standards & Certification for ESTIF members (WP4)	ESTIF December 2006
63	Article about the NEGST project with project details, announcement of final industry workshop and project results; The Parliament, European Politics and Policy Magazine, Issue 238	ITW January 2007
64	Article about the NEGST workshop in Orebro and short summary of NEGST project in popular science magazine, Energi & Miljo (one of the two biggest magazines in Sweden)	SP January 2007
65	Brochure "Building Integration of Solar Thermal Collectors" http://www.swt-technologie.de/html/newsletters.html	AEE INTEC January 2007
66	Workshop in Nieuwegein The Netherlands with the title "Building with sustainable energy"	TNO, Ecofys February 2007
67	Presentation of WP2 results at an expert workshop organized by the project SOLARGE in Strasbourg, France	arsenal February 2007
68	Scheduled Meeting of the members of the Greek Solar Industry Association (EBHE)	DEM February 2007
69	Article in the first issue 2007 in magazine "erneuerbare energie" with the title "Sonnenkollektoren als Elemente der Architektur". http://www.aee.at/publikationen/zeitung/verzeichnis.php	AEE INTEC March 2007
70	Industry Workshop "Solenergi I store EU projekter med dansk deltagelse", Technical University of Denmark http://www.altomsolvarme.dk/solvarmecenter/63-branche-ida-fr.html	BYG.DTU March 2007
71	Publication in Renewable Energy World on "Built for the sun"	AEE INTEC March/April 2007
72	Industry workshop in Stuttgart, Germany	ITW April 2007

73	Workshop on Standards & Certification for ESTIF members (WP4)	ESTIF April 2007
74	Next Energy 2007 - Workshop on applications of solar thermal systems: "1 milione di mq all'anno: la sfida per l'industria solare termica italiana"; April, 4 th 2007, Rome, Italy	ENEA April 2007
75	Seminar for the training of manufacturers and installers of Solar Thermal Systems in Cyprus	DEM May 2007
76	Second Press Release – May 2007 http://www.swt-technologie.de/html/press.html	ITW May 2007
77	Newsletter No. 4 – May 2007 http://www.swt-technologie.de/NEG_NL4.pdf	ITW May 2007
78	Otti 17. Symposium Thermische Solarenergie, Europaweite Erhebung zu standardisierten Konzepten für solarthermische Großanlagen - Ergebnisse aus dem EU-Projekt NEGST, May 9th-11th, 2007, Bad Staffelstein, Germany	arsenal May 2007
79	Training seminar of the ELOT inspectors for the Solar Keymark implementation	DEM June 2007
80	"Final NEGST project presentation workshop" with presentation of project results at Intersolar trade fair 2007 in Freiburg, Germany	all June 2007
81	Publication in SBZ 11/2007 "Solaranlagen einfach(er) installieren"	AEE INTEC, ITW June 2007
82	estec 2007; Future prospects of solar thermal technology - final results of the NEGST project June 19 th -20 th , 2007; Freiburg, Germany http://www.estec2003.org/2007/	ITW June 2007
83	estec 2007; Techno-Economic evaluation of solar-assisted air-conditioning systems in Europe June 19 th -20 th , 2007; Freiburg, Germany http://www.estec2003.org/2007/	ENEA June 2007
84	estec 2007; Standards for Collectors and Components in the Pipeline June 19 th -20 th , 2007; Freiburg, Germany http://www.estec2003.org/2007/	SP June 2007
85	estec 2007; System Concepts for Collective Solar Thermal Systems across Europe June 19 th -20 th , 2007; Freiburg, Germany http://www.estec2003.org/2007/	arsenal June 2007
86	estec 2007; Function Tests and Fault Detection for Large Solar Heating Systems June 19 th -20 th , 2007; Freiburg, Germany http://www.estec2003.org/2007/	Uni Kassel June 2007
87	Article in the second issue 2007 in magazine "erneuerbare energie" with the title "Integration von Solaranlagen in konventionelle Heizungssysteme". http://www.aee.at/publikationen/zeitung/verzeichnis.php	AEE INTEC June 2007
88	Article in the magazine "TGA" with the title "Solaranlagen einfach(er) installieren"	AEE INTEC June 2007
89	Article in the 104th issue of the magazine "CONSTRUIR" with the title "Solar collectors as architectural elements"	INETI June 2007

90	Workshop “Solares Wohnen in Wien” - Solar thermal energy use in multi-family dwellings in Vienna	arsenal AEE-INTEC June 2007
91	Conference Contribution on the “Technical and Economical Potential of Solar Thermal Driven Open Cycle Absorption Processes for Industrial and Comfort Air Conditioning”, ISES Solar World Conference, Beijing, 18.-21.9.07, accepted for publication	Uni Kassel Sept 2007
92	Presentation and article at ISES Solar World Congress in Beijing, China on field tests of one of promising systems from WP1 (REBUS pellets). Title “Monitoring results of a combined pellet and solar heating system”.	SERC Sept 2007
93	Article in the magazine “Plein Soleil”	CSTB Oct 2007
94	Article in issue 10-2007 in the magazine “Arkitektur N” with the title “Architectural integration of solar heating systems”	Uni Oslo December 2007
95	Presentation at meeting of Dutch Solar thermal industry	Ecofys 2007

Section 3 - Publishable results

This section contains a summary of all project deliverables created. Further information related to these deliverables can be found in the following table.

The deliverables are attached as appendix to the periodic activity reports of the different reporting periods. Deliverables that are marked with grey background are attached to the Periodic Activity Report of the second reporting period. All other deliverables are attached to the Periodic Activity Report of the first reporting period. For deliverables which concern both reporting periods e.g. WP4.D1 - meeting minutes, additional amendments are made and included in the second reporting period. They are marked with *) behind the designation of the deliverable (e.g. WP4.D1 *)).

Besides, all publishable exploitable project results intended for public dissemination are available via the internet.

They can be downloaded from <http://www.swt-technologie.de/html/negst.html>.

Diss. activity No ¹	Title of knowledge dissemination	Use of results	Delivery date ²	Nature ³	Target groups ⁴	Diss. Level ⁵
WP1.D1	Summary report on today's system technology	Overview of status and trends – to give basis for further work in the WP/project	6	R	PP, MA, EX	PU
WP1.D2	Report about theoretical system evaluation	Derive general recommendations for future system development	12	R	PP, MA, EX	PU

¹ Deliverable numbers in order of delivery dates: D1 – Dn

² Month in which the deliverables will be available. Month 0 marking the start of the project, and all delivery dates being relative to this start date.

³ Please indicate the nature of the deliverable using one of the following codes:

R = Report **P** = Prototype **D** = Demonstrator **O** = Other

⁴ Target group categories:

PP = project participants **MA** = manufacturers of solar thermal products and other heating industry
IN = installers **PU** = public **EX** = all experts in the field
BI = building industry **AR** = architects **PL** = planners
IV = investors **OT** = others

⁵ Please indicate the dissemination level using one of the following codes:

PU = Public
PP = Restricted to other programme participants (including the Commission Services).
RE = Restricted to a group specified by the consortium (including the Commission Services).
CO = Confidential, only for members of the consortium (including the Commission Services).

WP1.D3	Workshop with manufacturers	Dissemination of findings to industry at national workshops	18	O	MA	PU
WP1.D4	Design and installation guidelines for the new system generation	Co-ord. with WP4. Dissemination of guidelines to installers, planners and manufacturers associations	18	R	PP, MA, IN	PU
WP1.D5	Results of the on-site evaluation of the new system generation	Highlights of evaluation results	30	R	PP, MA	PU
WP2.D1	Questionnaire concerning larger solar thermal systems	To gain knowledge on barriers for the dissemination of large ST systems	6	O	PP, BI, MA, PL, IN, OT	PU
WP2.D2	National workshops (3 to 4) with planners and building industry	Information and motivation on large ST systems for planners or representatives of building industry	Div	O	PP, PL, BI	PU
WP2.D3	Report concerning investigation and evaluation of existing financing models	Basis for further work	12	R	PP	PU
WP2.D4	Material for marketing SDHW systems to investors in the building industry	Support to the marketing of larger solar systems	18	O	MA, PL, IN, IV, BI	PU
WP2.D5	Technical and financial guidelines	Best practise and recommendations on standardised system concepts and financing models to be disseminated to target group	(18) 24	O	MA, IN, BI, IV, PL	PU

WP2.D6	Presentations, publications	Dissemination of results at conferences	24	O	PP, IN, BI, IV, PL, MA, OT	PU
WP3.D1_2	Inventory of guidelines, Overview of existing requirements in EU countries and directives	Basis for further work	12	R	PP	PU
WP3.D3	Recommendations for uniform European requirements	Report concerning integration problems and standardization	18	R	PP, IN, MA, BI	PU
WP3.D4 (will be attached to this report - update)	Workshop on integration of thermal solar functions into building components	Discussion of problems, solutions, state of the art, best practise	18	O	PP, EX, MA, PL, AR, BI	PU
WP3.D5	Recommendation of concepts for easy installation and integration in conventional heating appliances	Dialogue especially with the non-solar heating industry on integration of solar in conv. heating appliances	18	O	PP, EX, MA, BI	PU
WP3.D6	Articles in dedicated magazines for solar industry	Articles on integration of solar thermal components in conventional and other installations	Div.	O	MA, BI, IN, PL	PU
WP3.D7	Recommendations for development of easily installable products	Report with recommendations	24	O	MA, IN	PU
WP3.D8	Articles in dedicated magazines for solar industry	Articles on simplification of the installation process	Div.	O	MA, BI	PU

WP3.D9	Examples of successful aesthetic integration	Brochure on successful building integration	30	O	AR, IN, MA, PL	PU
WP3.D10	Dissemination to architects' magazines	Articles on aesthetic and architectural questions	Div.	O	AR	PU
WP4.D1 *)	Meeting minutes and status reports of subtask meeting as a basis for the co-ordinators project reports	Internal meeting minutes and status reports on 9 subtasks	Div.	O	PP	PP
WP4.D2	Draft documents on proposed standards procedures	Reports about future standards for advanced components	30	R	PP, OT,	PU
WP4.D3	Official proposals to CEN TC312 and WGs	Proposal for revision of EN12975-1 and -2	30	O	PP, OT	PU
WP5.D1	Technical status report on solar desalination and solar cooling	Basis for further work	12	R	PP,	PU
WP5.D2	Report concerning the suitability of different collector technologies for solar cooling and solar desalination	For identification of the most promising technologies for solar cooling and solar desalination	18	R	PP, MA, EX	PU
WP5.D3	Design- and simulation software	Software tool for dimensioning solar cooling systems incl. users manual	24	O	PP, MA, IN, PU, EX, BI, AR, PL, IV, OT	PU
WP5.D4	Workshop on solar cooling and solar desalination	Discussion of problems, solutions, state of the art, best practise	24	O	PP, EX, MA, PL, AR, BI	PU

WP5.D5	Feasibility study in order to identify the potential areas for solar cooling applications	Case studies for selected solar cooling systems	30	R	PP	PU
WP6.D1 *)	Consortium Agreement	Internal use	6	O	PP	PP
WP6.D2	Project presentation	Information about project	6	O	EX	PU
WP6.D3 *)	Project website (http://www.swt-technologie.de/html/negst.html)	Project status, results and additional information will be available here.	Div	O	PP, PU	PU
WP6.D4	Two workshops will be arranged for the industry	Dissemination of project results to the European industry through ESTIF	18 / 30	O	MA, BI	PU
WP6.D5 *)	Printed or electronic special publications	Dissemination of specific project results	Div	O	div	PU
WP6.D6	Interim report	Dissemination of project status	18	R	PP	PU
WP6.D7	Presentation(s) at European Solar Thermal Energy Conference estec2005	Dissemination of project results	18	O	EX, MA, BI, PL, AR, IV, PU	PU
WP6.D8 *)	Special seminars focused on possible specific project results	Dissemination of specific project results	Div	O	div	PU
WP6.D9	Management reports	Information about project status	18	R	PP	PP
WP6.D10	Final plan for using and disseminating knowledge	Overview of disseminating knowledge (incl. publications, workshops, seminars,)	30	R	PP	PP

WP6.D11	Final report	Information about project results/achievements	36	R	PP, MA, IN, PU, EX, BI, AR, PL, IV, OT	PU
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*) additional amendments to deliverables of 1st reporting period

The following additional reports have been published:

Workpackage 1	
WP1.F1	Experiences from the installation and the operation of the new system generation: solar system concept with water filled collector loop
WP1.F2	Experiences from the installation and the operation of the new system generation: compact heating unit for solar domestic hot water (SDHW) preparation
Workpackage 6	
WP6.Gender. D1	Gender Flyer