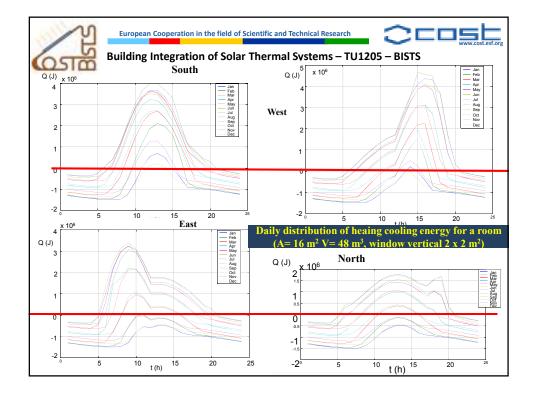


	n Cooperation in the field of Scientific and Technical I Integration of Solar Thermal Syster	www.cost.esf.org									
-	Averaged heat transfer coefficients for different elements of a building envelope in the EU countries										
2005 - U [W/(m <sup>2</sup> K)] 2030 - U [W/(											
External walls	0.65	0.23									
Roof	0.87	0.1									
Floor on a ground	0.3	0.21									
Windows	2.75	1.4									
COST is supported by the EU RTD Framework P	rogramme	ESF provides the COST Office through an EC contract									



European Cooperation in the field of Scientific and Technical Research Image: Cooperation of Solar Thermal Systems – TU1205 – BISTS   Building Integration of Solar Thermal Systems – TU1205 – BISTS   Monthly heating/cooling energy demand and energy losses/gains through envelope of south rooms, A= 16 m² V= 48 m³.   with vertical external walls and big windows (2 x 2 m²)												m <sup>3</sup> ,			
[MJ]	1	п	ш	IV	V	VI	VII	VIII	IX	х	×	a	XII	Year O	Year Q
Q <sub>h/c</sub>	-637,41	-276.77		360,68		701,58	795,66	821,12	558,9		38,55		-638.09		9 4078,08
	-63,90	-52,19	-45,96	,	-4,32	3,66	8,89	7,42	-5,27			44,12	-57,26	-322,29	19,97
<b>Q</b> <sub>win</sub>	-404,82	-78,06	189,8	468,61	691,44	716,68	793,23	826,62	606,6	2 30	00,06 -	169,71	-432,97	-1085,5	6 4593,06
Monthly heating/cooling energy demand and energy losses/gains through envelope of south rooms, $A=16 m^2 V=48 m^{3}$ , with vertical external walls and small windows $(1 x 1 m^2)$											m <sup>3,</sup>				
[IM]		Ш	ш	IV	v	VI	VII	VIII	IX	х	XI	XII		Year Q	Year Q.
	-368,45	-253,42	-171,28		-	146,87		183,45	83,45	-63,0					700.65
	-95,85	-78,28	-68,93	-34,77		5,49	13,33	11,12	-7,90	-39,1			,	483,4	29,94
		-28,62	32,60	99,69			178,15	185,25	133,7	61,56			.,	-288,26	1003,96
4		COST is supp he EU RTD F		Programn	ne						E		es the COS Igh an EC		





