Sudoe

ClimACT – Acting for the transition to a low carbon economy in schools – development of support tools



University of Seville (USE) Spain



O Programa Interreg Sudoe está cofinanciado pelo Fundo Europeu de Desenvolvimento Regional (FEDER)



University of Seville (USE). Spain

- ·Public education institution http://www.us.es
- ·Extensive university community:
 - -More than 70,000 students
 - -4,400 professors
 - -and 2,400 service and administrative professionals

·Breakdown of the institution:

Centres:		Studies:		R&D (2014):	
University Centres/Schools:	26	Degrees offered:	67	Research Staff in Training:	354
Associated Centres:	6	Official Master programs:	79	Contracted Staff (Research Projects):	803
University Departments:	132	PhD. Programs:	152	Doctoral contracts:	2468
Other Centres:	3	Postgraduate Studies:	281	Postdoctoral Contracts:	92
				Annual contracts with companies:	497
				Annual Budget with private companies:	25 mill €
				Excellence Projects Granted (Andalusian government): 47	
				Research Projects Granted (Spanish government):	196
				International Actions Granted:	21
				Industrial and Intellectual Property registrations (2014):	59

USE activities are performed by more than 400 research groups, and 7,500 yearly scientific publications with international impacts





University of Seville (USE) ClimACT-USE Research group:

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MARTA MOLINA -Building Construction Department

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Multidisciplinary group in:

Energy Engineering Architecture and Building construction Chemistry Materials Engineering Physics











Previous works in the field of the project:







(Re)Programa Project. Renovation and sustainable management of the Andalusian building stock



Figure 4. Thermal energy storage methods: sensible, latent and thermochemical storage.



Figure 11. Sankey's diagram of a Solar DH system with large-scale seasonal TES.

Thermal Energy Storage technologies for Low-Carbon Energy Measures

Solar DH integration toward low-carbon economy networks (LCE)



Renewable energy technologies: Small-scale microgeneration – ORC prototype

