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Seventh Framework Programme

Theme [EeB.ENV.2010.3.2.4-1]

[Compatible solutions for improving the energy efficiency of historic buildings in urban areas]

Collaborative Project - GRANT AGREEMENT No. 260162







Technical References

Project Acronym	3ENCULT
Project Title	Efficient ENergy for EU Cultural Heritage
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Contributing beneficiary(ies)	
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Co-author(s)	
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0 Abstract

3ENCULT has been presented in several international conferences, exhibition and trade fairs on energy efficiency and cultural heritage. During the dissemination activities, the partners presented products and systems developed within the project to promote their market penetration.

3ENCULT was present at all three major European Heritage fairs:

- 3ENCULT participated with its own booth at the Innovation part of the 8th AR&PA Biennial of Heritage, Restoration and Management (Valladolid, 24th to 28th of May 2012). The "Development of a conservation compatible highly energy efficient window as example for a successful multidisciplinary approach within FP7 project 3ENCULT" has been presented orally at the "Sala Innovation" on 25th of May 2012, and the holistic approach to the retrofit design has been presented at the related AR&PA international congress (see above Task 8.11). 3ENCULT won the Innovation Award at AR&PA 2012 for its exemplary actions in boosting links between cultural heritage and society.
- 3ENCULT organised a Seminar on "Energieeffizienz und historische Bausubstanz im Rahmen des europäischen Forschungsprojektes, Efficient energy for EU cultural heritage" Beispiele aus der Praxis at the Denkmal 2012 from 22nd to 24th November 2012 in Leipzig. Furthermore 3ENCULT was promoted by University of Stuttgart at their booth and the window prototype was exhibited at the SmartWin booth.
- 3ENCULT participated with its own booth at the XX Salone del Restauro from 20th to 23rd
 March 2013 in Ferrara. There the 3ENCULT prototypes were exhibited and 2 seminars were
 organised:
 - 21st March 2013, 16.00-18.30: ENERGY RETROFIT OF HISTORIC BUILDINGS -CHANCE FOR PRESERVING OUR HISTORIC CITY SCAPE, KEEP TOWN CENTRES AN ATTRACTIVE LIVING SPACE AND PROTECT OUR CLIMATE?
 - $_{\odot}\,$ 22nd March 2013, 14.00-16.00: ENERGY RETROFIT OF HISTORIC BUILDINGS. 3ENCULT SOLUTION & TOOLS.

3ENCULT was also presented at the major fairs on energy efficiency:

- 3ENCULT participated at the **16th International Passive House Conference** in Hannover 4th-5th May **2012** (more than 1000 conference participants, more than 100 exhibitors, 3'400 m² exhibition area), where the window prototype developed by ANDRE was presented in the exhibition space.
- 3ENCULT presented the window prototype developed by ANDRE at the **PASSI'BAT 2012** in Paris France (the exhibition registered more than 2000 visitors).
- 3ENCULT participated at the PASSI BAT 2013 in Paris, France (more than 2000 visitors).
- 3ENCULT participated at the **17**th **International Passive House Conference** in April **2013** in Frankfurt, with the exhibition of new products developed by BLL and ANDRE.

ARTEMIS presented 3ENCULT project and in particular the experiences in Diagnosis and Monitoring of Cultural Heritage at the 16th edition of ECOMONDO International Trade Fair of Energy and Sustainable Development in Rimini (ca.85'000 participants) - specifically in seven one-to-one meetings during the dedicated brokerage event on 8th/9th November 2012.

Furthermore, leaflets of 3ENCULT have also been distributed in many booths of the fair to interested companies.

The project was also presented with a poster and/or leaflets at a number of fairs and similar public presentations/events like e.g. a Poster at the 3rd Global Forum on Urban Resilience & Adaptation – Resilient Cities 2012 (EURAC, ICLEI).



The project was also presented with a poster and/or leaflets at a number of fairs and similar public presentations/events:

- Poster presented at booth of CARTIF at AR&PA VII Bienal de la Restauración y Gestión del Patrimonio, 11th-14th November 2010 in Valladolid.
- Oral presentation by Enrico Eposito (ARTEMIS) at the Workshop of Federcostruzioni ("I progetti europei nel settore dell'efficienza energetica degli edifici. Un'opportunità per le aziende" European Projects in the sector of Buildings Energy Efficiency. An opportunity for Companies) on 26th January 2011 in Rome IT with the title "Progetto 3ENCULT: sviluppo di soluzioni evolute per il miglioramento dell'efficienza energetica degli edifici storici."
- Oral presentation by Roberto Lollini (EURAC) in the frame of the KlimaHouse trade fair in Bolzano, at the "Int. Fachkongress Klimahaus Agentur - Intelligentes Bauen" at KlimaHouse 2011 on 28th January 2011 in Bolzano IT with the title "3ENCULT – Europäische Forschung für die denkmalgerechte energetische Sanierung historischer Gebäude. 3ENCULT – ricerca europea per il retrofit energetico compatibile alla conservazione degli edifici storici."
- Participation at EU Net-Heritage conference "Increasing Europe's Competitiveness through Cultural Heritage Research" March 24th in Brussels representing 3ENCULT project with a poster (IDK) at the connected exhibition "Net-HeriTouch".
- Partecipation at Europäische Schlösser und Gartentage exhibition in Wien and at Denkmal 2012 in Leipzig as well as the Salon de l'Artisanat Rhône Alpes (22th 24th Nov. 2013) and at the Salon du Bois Alpexpo Grenoble (3th 6th April, 2014) by ANDRE. ANDRE presented the project and the product development also at the ECOBAT conference in Paris (21th March, 2014).
- Presentation at the 2nd International Congress on Interior Insulation in Dresden, REMMERS and IBK-Dresden presented the new products.
- New lighting products with special suitability for museums and artwork lighting were presented by Bartenbach on 5th March 2014 in Bologna at the conference/exhibition "Migliorare le prestazioni energetiche negli edifici storici" organized by Bologna Municipality.



Figure 1 3encult project and new products presentation in conferences and trade fairs



A list of the dissemination activities in the years 2012- 2014 is summarized in the following table.

Kind of activity	Lead beneficiary	title	location	date
Presentation at exhibition / fair	CARTIF	VII Bienal de la Restauración y Gestión del Patrimonio	Valladolid, Spain	11 th - 14 th Nov. 2010
Presentation at a conference	ARTEMIS	Workshop of Federcostruzioni	Rome, Italy	26 th Jan. 2011
Presentation at exhibition / fair	EURAC	Int. Fachkongress Klimahaus Agentur - Intelligentes Bauen	Bolzano, Italy	28 th Jan. 2011
Presentation at a conference	EURAC	EU Net-Heritage conference	Brusselles, Belgium	24 th March 2011
Presentation at exhibition / fair	ANDRE	16 th International Passive House Conference and Exhibition	Hannover Germany	4 th & 5 th May 2012
Presentation at exhibition / fair	CARTIF	8 th AR&PA Biennial of Heritage, Restoration and Management	Valladolid, Spain	24 th to 28 th May 2012
Presentation at exhibition / fair	ARTEMIS	ECOMONDO 16 th edition	Rimini, Italy	8 th to 9 th November 2012
Presentation at exhibition / fair	ANDRE	Denkmal 2012	LEIPZIG Germany	22 nd to 24 th of November 2012
Presentation at exhibition / fair	ANDRE	PASSIBAT Congress and exhibition	Parc Floral, Paris, France	4 th - 5 th December 2012
Presentation at exhibition / fair	ANDRE	Europäische Schlösser und Gartentage	Palais Liechtenstein Vienna, Austria	28 th of February – 1 st of March 2013
Presentation at exhibition / fair	BLL	Salone del Restauro	Ferrara, Italy	20 th – 23 rd March 2013
Presentation at exhibition / fair	ANDRE	Salone del Restauro	Ferrara, Italy	20 th – 23 rd March 2013
Presentation at exhibition / fair	REMMERS	2 nd International Congress on Interior Insulation 2013	Dresden, Germany	12 th – 13 th April 2013
Presentation at exhibition / fair	BLL	Passivhouse fair 2013	Frankfurt, Germany	19 th – 20 th April 2013
Presentation at exhibition / fair	ANDRE	Passivhouse fair 2013	Frankfurt, Germany	19 th – 20 th April 2013
Presentation at exhibition / fair	ANDRE	Salon de l'Artisanat Rhône Alpes	Valence, France	22 th – 24 th Nov. 2013



Presentation at exhibition / conference	ANDRE	PASSIBAT	Paris, France	3 th – 4 th Dic. 2013
Presentation at a conference	BLL	ACE Workshop	Brussels, Belgium	6 th Feb. 2014
Presentation at exhibition / conference	BLL	Migliorare le prestazioni energetiche negli edifici storici	Bologna, Italy	5 th March 2014
Presentation at a conference/ fair	ANDRE	ECOBAT	Paris, France	21th March 2014
Presentation at exhibition / fair	ANDRE	Salon du Bois Alpexpo Grenoble	Grenoble, France	3 th - 6 th April 2014



1 Dissemination Activities

Here in the following the sheets of dissemination activities and events to present industrial products and systems developed within the project 3ENCULT are reported.



Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	P07 CARTIF	
Contributing beneficiaries	All the consortium	
Title	VII AR&PA fair	
Date	11 ^{th -} 14 th November 2011	
Place	Valladolid, Spain	
Type of audience	▼ End-users & their associations	✓ Consumer organisations
	▼ EU, national & local authorities	▼ NGOs in CH Preservation
	▼ Technological enterprises	▼ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	280 exhibitors; 110 stands 30000 visitors	
Countries addressed	Snain	

Description

The AR&PA fair is destined to people in the field of ownership, conservation, restoration and management of the cultural heritage who are interested in knowing how and why the cultural bequest is refurbished, restored and transmitted to future generations. The project 3ENCULT was presented by Cartif at the trade fair "VII Biennal of Heritage, Restoration and Management" in Valladolid (11^{th -} 14th November 2011). The AR&PA Biennial was a meeting point and discussion forum with professionals and institutions in the fields of protection, curatorship, conservation, restoration and management of Cultural Heritage.





Kind of activity	Conference		
Lead Beneficiary	Artemis srl		
Contributing beneficiaries	Artemis srl		
Title	L'Industria delle Costruzioni verso (The Construction Industry towards		
Date	11/07/2012		
Place	ANCE Headquarters, Via Guattani, 16 - Roma.		
Type of audience	X End-users & their associations	☐ Consumer organisations	
	▼X EU, national & local authorities	☐ NGOs in CH Preservation	
	Tx Technological enterprises	□ NGOs in energy Efficiency	
	☐ Scientific Community	Other:	
Size of audience	120		
Countries addressed	Italy		

Description

ANCE is the National association of SMEs working in the sector of building construction, and this conference, organized in cooperation with FEDERCOSTRUZIONI (the Federation of all companies working in the construction sector, including constructions, technologies, plants, machiney), APRE, the National Agency for the promotion of European Research programs in Italy, and the National Construction Technology Platform (PTIC), has been an occasion to present to professionals of the building sectors, researchers and representatives of the public Institutions the possibilities offered by the new European Framework Program in the construction sector. It has also been an occasion to discuss about the situation of the financial situation of companies of this sector and to individuate all possibilities to enhance their research activities. Important speakers have presented their opinions, including the Ministry of Education, University and Research, Dr. Francesco Profumo, the President of ANCE and FEDERCOSTRUZIONI, Dott. Paolo Buzzetti, and Prof. Gian Marco Revel, co-Coordinator of PTIC. Dr. Stefano Carosio, from D'Appolonia, has presented a review of European projects related to the construction sector, including a slide on 3ENCULT.

Enrico Esposito has distributed leaflets of 3ENCULT and illustrated the Project to professionals interested in its research themes.

Invitation, program of the event and Dr. Carosio' slide on 3ENCULT









L'Industria delle Costruzioni verso Horizon 2020 11 luglio 2012, ore 9.30

ANCE, Sala Colleoni Via Guattani, 16 - Roma

La Commissione Europea identifica nella promozione di attività di ricerca e sviluppo tecnologico uno dei fattori fondamentali per contribuire ad aumentare la competitività Europea, a favorirne l'integrazione e lo sviluppo sostenibile. In tal senso, finanzia attività di ricerca ed innovazione tecnologica in diversi settori a grosso impatto industriale e considerati strategicamente importanti.

La Commissione Europea ha presentato "Horizon 2020", che costituisce il programma europeo per la Ricerca e l'Innovazione nell'ambito del Quadro finanziario pluriennale 2014-2020, ritenuto fondamentale per la realizzazione degli obiettivi della strategia "Europa 2020" e dell'iniziativa "Unione dell'innovazione".

Il budget di "Horizon 2020", proposto per il periodo 2014-2020, ammonta a circa 80 miliardi di euro e verrà suddiviso su tre obiettivi chiave:

- sostenere la posizione dell'UE in testa alla classifica mondiale nella scienza,
- contribuire ad affermare il primato industriale nell'innovazione,
- affrontare i principali problemi comuni a tutti i cittadini europei.

Nell'ambito di questi tre obiettivi, l'Industria delle Costruzioni, che include, oltre alle imprese di costruzione, la produzione dei materiali da costruzione, la progettazione, i componenti e sistemi per impianti, la domotica, i macchinari e le tecnologie di costruzione e di manutenzione, gioca un ruolo sociale, economico, tecnico e culturale di fondamentale importanza.

La ricerca e l'innovazione rappresentano, quindi, attività strategiche, soprattutto in un momento di crisi come quello attuale, e l'approccio di filiera è fondamentale per riuscire a portare innovazione in un settore che vede una prevalenza di imprese di ridotte dimensioni.

Il convegno, riunendo tutti i soggetti della filiera delle costruzioni ed i membri della Piattaforma Tecnologica Italiana delle Costruzioni, si pone l'obiettivo di fornire un quadro conoscitivo di Horizon 2020, evidenziandone le opportunità per l'industria delle costruzioni, e di riflettere su una strategia italiana per cogliere al massimo tali opportunità.

Programma

9:30	Registrazione dei parte	ecipanti
10:00	Apertura dei lavori	Paolo Perino, Vice Presidente Federcostruzioni Piero Torretta, Vice Presidente ANCE, Presidente UNI
10:20	Horizon2020 e la strategia Italiana per l'innovazione	
		Raffaele Liberali, Capo Dipartimento per l'Università, l'AFAM e per la Ricerca, Ministero dell'Istruzione dell'Università e della Ricerca
10:40	L'industria delle costru	ızioni verso Horizon 2020 Gian Marco Revel , Università Politecnica delle Marche, Coordinatore Piattaforma Tecnologica Italiana delle Costruzioni
11.00		uropea a supporto delle PMI del settore delle costruzioni Andrea Bianchi, Direttore Generale per la politica industriale e la competitività, Ministero dello Sviluppo Economico (tbc)
11.20	Lo sviluppo dei nuovi r	materiali come soluzioni per costruzioni e città intelligenti Renzo Tomellini , Capo Unità Materiali - DG Research & Innovation - Commissione Europea
	le tematiche specifiche	
	n Marco Revel	The liverence of the latest the l
11:40	prospettive verso Hori	ership sull'Efficienza Energetica degli edifici: esperienza acquisita e zon 2020.
		Stefano Carosio, Co-Chairman Ad-hoc Industrial Advisory Group EEB PPP, Responsabile Ricerca e Innovazione, D'Appolonia SpA (Rina Group)
12:00	Le prospettive di innov	vazione per il settore delle infrastrutture in ambito Europeo
		Livia Pardi, Autostrade per l'Italia
12:20		stainable Process Industries - La riduzione dell'impatto energetico oduzione di materiali da costruzione
	'	Pietro Gimondo, Centro Sviluppo Materiali
12:40	"Active and Healthy Ag	geing" – La domotica assistiva e le opportunità di integrazione per zioni
		Pietro Siciliano , Presidente Associazione Italiana Ambient Assisted Living, CNR
13:00	Intervento	Paolo Buzzetti, Presidente ANCE e Federcostruzioni
13:20	Conclusioni	Francesco Profumo, Ministro dell'Istruzione dell'Università e della Ricerca

Si prega di confermare la partecipazione a:

Direzione Affari Economici e Centro Studi e-mail: affarieconomici@ance.it

Tel. 06 84567928-387



Kind of activity	Workshop		
Lead Beneficiary	Artemis srl		
Contributing beneficiaries	Artemis srl		
Title	I PROGETTI EUROPEI NEI ENERGETICA DEGLI EDIFIC AZIENDE.		
	(European Projects in the sector opportunity for Companies)	of Buildings Energy Efficiency. An	
Date	26/01/2011		
Place	Headquarters of ANCE, via Guattani 16, Rome.		
Type of audience	▼ End-users & their associations	☐ Consumer organisations	
	☐ EU, national & local authorities	☐ NGOs in CH Preservation	
	☐ Technological enterprises	☐ NGOs in energy Efficiency	
	☐ Scientific Community	Other:	
Size of audience	30		
Countries addressed	Italy		

Description

ANCE is the National association of SMEs working in the sector of building construction. This workshop, organized in cooperation with FEDERCOSTRUZIONI (the Federation of all companies working in the construction sector, including constructions, technologies, plants, machiney) and the National Construction Technology Platform has been an occasion to present to associates of FEDERCOSTRUZIONI the possibilities offered by the European Institutions to foster research and innovation in the field on energy efficiency; FP7 and PPP-E2B have been widely illustrated and some success stories presented, including 3ENCULT.

Leaflet of the event





Il seminario, promosso da Federcostruzioni in collaborazione con ANCE e la Piattaforma Tecnologica Italiana delle Costruzioni, vuole essere l'occasione per evidenziare in modo semplice e concreto le opportunità di ricerca ed innovazione a livello Europeo nel settore dell'efficienza energetica degli edifici a cui le aziende possono accedere.

Saranno presentati alcuni casi di successo nel settore delle costruzioni e dell'impatto ambientale.

Le esperienze saranno illustrate da alcune realtà imprenditoriali del settore che hanno già intrapreso il cammino pratico per accedere ai fondi.

Saranno inoltre presentate le linee guida per la partecipazione ai prossimi bandi.

Si prega di confermare la partecipazione inviando una mail a sg@federcostruzioni.it

I lavori inizieranno alle ore 15 e termineranno alle ore 17

Introduzione

Paolo Perino Vice Presidente Federcostruzioni

Energy Efficient Building: gli obiettivi e l'impatto previsto Raimondo de Laurentis *D'Appolonia*

Partnership Pubblico Privato: uno scenario di progettazione collaborativa Gian Marco Revel *Università Politecnica delle Marche*

Alcuni casi di successo

Progetto FC District: nuove reti di sistemi micro-CHP per distretti energeticamente efficienti e sostenibili

Piero Rusconi Ecofast

Progetto H2ome: nuovo sistema di micro-cogenerazione per produzione combinata di energia elettrica e calore per applicazione residenziale basato su celle a combustibile Alberto Zerbinato *ICI Caldaie*

Progetto 3ENCULT: sviluppo di soluzioni evolute per il miglioramento dell'efficienza energetica degli edifici storici

Enrico Esposito Artemis

Prospettive di filiera per i prossimi bandi del 2011

Raimondo de Laurentis D'Appolonia

Dibattito

Conclusioni

Paolo Perino Vice Presidente Federcostruzioni

Coordina i lavori Alberto de Vizio Segretario Generale Federcostruzioni



Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	EURAC	
Contributing beneficiaries		
Title	"Int. Fachkongress Klimahaus Agentur - Intelligentes Bauen", at Klimahaus 2011	
Date	27 th – 30 th January 2011	
Place	Bolzano	
Type of audience	☑ End-users & their associations ☐ Consumer organisations	
	☐ EU, national & local authorities ☐ NGOs in CH Preservation	
	▼ Technological enterprises □ NGOs in energy Efficiency	
	Scientific Community Other:	
Size of audience	100 persons for Conference and 40000 people for 4 days exhibition	
Countries addressed	Italy and German speaking countries (4 countries)	

Description

Oral presentation by Roberto Lollini (EURAC) in the frame of the KlimaHouse trade fair in Bolzano, at the "Int. Fachkongress Klimahaus Agentur - Intelligentes Bauen" at KlimaHouse 2011 on 28th January 2011 in Bolzano IT with the title "3ENCULT — Europäische Forschung für die denkmalgerechte energetische Sanierung historischer Gebäude. 3ENCULT — ricerca europea per il retrofit energetico compatibile alla conservazione degli edifici storici."





Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	16th International Passive House C	Conference and Exhibition
Date	4 th & 5 th May 2012	
Place	Hannover Congress Center	
Type of audience	✓ End-users & their associations	☐ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	1000 persons for Conference and 3000 persons exhibition	
Countries addressed	Europe, International public (45 countries)	

Description

Presentation of the 3ENcult Project and the window prototype developed by ANDRE. The project was presented at the conference by Franz Freundorfer (ANDRE). Title: "Passive house windows of energy efficiency class A in heritage buildings". At the event attended ca. 1000 visitors.







Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	P07 CARTIF	
Contributing beneficiaries	All the consortium	
Title	VIII AR&PA fair	
Date	24-05-2012	
Place	Valladolid, Spain	
Type of audience	✓ End-users & their associations	✓ Consumer organisations
	EU, national & local authorities	✓ NGOs in CH Preservation
	▼ Technological enterprises	✓ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	280 exhibitors from 16 countries	
	147 technical presentations	
	29306 visitors	
Countries addressed	Spain	

Description

At the exhibition have been presented stand with posters about the project, objectives and methodology within the eight case studies (analysis and diagnosis of possible potential improvements; first proposal of intervention). With the support of UNESCO and in close liaison with the European Commission, AR&PA is one of the major Cultural Heritage event, which allow to establish contacts with architects, restorers, enterprises.











Kind of activity	presentation	
Lead Beneficiary	P14 ARTEMIS	
Contributing beneficiaries		
Title	Dissemination at ECOMONDO fair	
Date	8-9/11/2012	
Place	Rimini (IT)	
Type of audience	✓ End-users & their associations	▼ Consumer organisations
	▼ EU, national & local authorities	□ NGOs in CH Preservation
	▼ Technological enterprises	▼ NGOs in energy Efficiency
	✓ Scientific Community	Other:
Size of audience	About 85000 persons visited ECOMONDO 2012	
Countries addressed	Italy, EU	

Description

Ecomondo - International Trade Fair of Energy and Sustainable Development, www.ecomondo.com, is the most accredited platform for southern Europe and the Mediterranean basin, for the exploitation and recycling of materials and for the Green Economy, which owes its success to a weighted balance between sales dimension and technical-scientific dimension. The 16th edition of ECOMONDO took place in Rimini on 7-10/11/2012 and one of the main event has been the Ecobusinnes Cooperation Event, a brokerage event that took place on 8-9/11/2012 to boost international business and technological partnership agreements. This event has been organized by Unioncamere Emilia-Romagna, Eurosportello-Chamber of commerce of Ravenna and ASTER, in co-operation with the Enterprise Europe Network and other Chambers of Commerce; the CoC of Ancona invited ARTEMIS to participate and share its experiences in Diagnostics and Monitoring of Cultural Heritage, so that a number of one-to-one meetings have been organized. ARTEMIS met the following list of Companies and Institutions, presenting its capabilities and taking the occasion to present 3ENCULT has its main on-going project; after each meeting, leaflets of 3ENCULT have been passed to conveners and contacts are still maintained with some of them. Leaflets of 3ENCULT have also been distributed in many booths of the fair to interested companies.



List of conveners met at the Ecobusinnes Cooperation Event

Tecnomarche Scarl – Parco Scientifico e Tecnologico delle Marche, http://www.pstmarche.it/: Tecnomarche is the Science and Technology Park for the Marche region, born to support research and innovation in the area. Its mission is to work to increase the competitiveness of the Marche region by promoting, initiating and carry out projects aimed at creating knowledge and transferring and applying it, through joint ventures with Universities and Research Centres.

Laboratorio Proambiente, http://www.consorzioproambiente.it/: Proambiente is a research lab that includes five Institutes of the National Research Council (Institute of Atmosphere Sciences and Climate, Institute of Marine Sciences, Institute for Microelectronics, Institute of Biometeorology, Institute for the Organic Synthesis and Photoreactivity). FIELD OF ACTIVITIES: Environment, Agricolture, Green Building, Electronics, Cultural Heritage, Agro-food, Health, Tourism, Fishing, Energy

Icenova Engineering SrI, http://www.icenova.eu/: Icenova offers innovative turn-key plants to recover waste heat from both industrial and renewable energy plants converting it into electrical or cooling power. It is focused in biomass and industrial waste heat recovery, and offers turn key plants, and maintenance and remote control with guarantee on the operation. FIELD OF ACTVITIES: For the international market, the company offers an innovative system for energy management (after ECOMONDO the contacts with Icenova have been going on and other meetings followed).

Pro Energy Systems Srl – PEnSy, http://www.pensy.it/: PEnSy is a company of research and development for businesses and private users for advice in the design and construction of architectural elements made or parts of them, offering innovative features for energy saving and inserting of solar energy systems (thermal and / or photovoltaic). PenSy's Activities can cover all project phases, from verifying context conditions, to design, choice of technologies and innovative materials, economic control. FIELD OF ACTVITIES: research and development for energy efficiency and inserting of solar energy systems (thermal and / or photovoltaic (after ECOMONDO the contacts with PEnSy have been going on and other meetings followed).

ANKA GERI DONUSUM ATIK TOPLAMA PETROL SAN. TİC. LTD, www.ankadonusum.com.tr: ANKA-Waste Recycling Co.Ltd country's economy gained solid waste recycling facilities in a safe manner until collected and transported with great dedication. As a company it is also maintaining its business with the buying and selling of scrap provinces of Mersin and the other with the scrap paper, scrap cardboard-box-corrugated cardboard, scrap plastic, scrap material, scrap waste trades.

Studio Botta & Associati SrI, http://www.studiobotta.biz/: for over ten years Studio Botta & Associati SrI have been active in supplying high quality Environmental and Energy services to companies of different size and market sector. Studio Botta & Associati offers advanced services related to the analysis of environmental impacts of products, services and systems and it offers also innovative solutions for the implementation of improvement actions and for their communication. FIELD OF ACTVITIES: they are operating at 360 degrees on environmental and energy issues, going from the development of environmental management systems (ISO 14001, EMAS, ISO50001, OHSAS 18001, etc.) to life cycle assessment and eco-design of different types of products, services and processes. We also develop audits and energy saving programs to reduce consumption and therefore costs and environmental impacts.

AKSE - Electrex SRL, http://www.electrex.it/: since 1993 Electrex designs, produces and commercializes, in Italy and abroad, instruments and software for energy measurement, energy saving, consumption and production managing. The Electrex solutions are used in the energy efficiency and energy automation applications, for the industrial, tertiary, residential and renewable resources sectors allowing a rapid return on investment. With over 40% of the staff dedicated to R & D, they demonstrate their strong commitment to innovation and continuous improvement in order to anticipate the needs of customers.



Kind of activity	Presentation on fairs	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	Denkmal 2012	
Date	22 nd to 24 th of November 2012	
Place	LEIPZIG Germany	
Type of audience	✓ End-users & their associations	☐ Consumer organisations
	☐ EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	☐ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	13400 visitors, conferences	
Countries addressed	Germany and European countries	

Description

Presentation of the window prototype on the booth of Lamberts Glass (producer of historic glasses). The prototype was presented by by Franz Freundorfer (ANDRE) especially for window producers invited by Lamberts on the booth on 22^{nd} of November. The event registered ca. 13400 visitors. Within the fair, 3ENCULT partners organized a workshop "Energy efficiency and historic building- case studies".





Workshop - Programm 1980 Cult



Energieeffizienz und historische Bausubstanz Beispiele aus der Praxis

Historische Gebäude sind die Wahrzeichen zahlreicher europäischer Städte und Gemeinden. Sie spiegeln nicht nur das kulturelle Erbe Europas wider, sondern symbolisieren auch das Wesen einer Gesellschaft.

Die Folgen des Klimawandels und geänderter Nutzungsansprüche führen in diesen Gebäuden zum Teil zu ineffizienten Energieverbräuchen. Um die Nutzung und damit auch die Erhaltung der historischen Bauten sicher zu stellen, ist es zwingend notwendig, Sanierungskonzepte zu entwickeln, die einerseits denkmalverträglich und andererseits zur Steigerung der Energieeffizienz führen. Im Rahmen des europäischen Forschungsprojektes "3EnCult" (Efficient energy for EU cultural heritage) werden praktische Lösungen entwickelt und erprobt, die eine nachträgliche denkmalgerechte energetische Ertüchtigung erlauben. Die Ergebnisse dieses Projekts sollen dazu beitragen, dass die Lücke zwischen dem Erhalt historischer Gebäude einerseits und dem notwendigen Schutz unserer Umwelt andererseits geschlossen werden kann.

Anlässlich des Fachprogramms der denkmal findet am 22.11.2012 um 13.00 Uhr im CCL-Saal 4 zu diesem Thema ein Workshop statt. Hierbei stehen nicht nur technische Lösungen im Focus, sondern auch Methoden zur Findung eines optimalen denkmalverträglichen Energiekonzepts.





Palazzina della Viola in Bologna





Speicherstadt in Potsdam



Hauptschule in Innsbruck

Ocasion i	Energice instantation but werke
13.00 Uhr	Begrüßung
13.10 - 13.25 Uhr	Historische Bauwerke und Energieeffizienz - ein Widerspruch? Prof. DrIng. H. Garrecht (Universität Stuttgart)
13.30 - 13.45 Uhr	Energetische Bewertung und Erwartungen aus Sicht der Denkmalpflege Landeskonservatorin Dr. R. Kaiser (Landesamt für Denkmalpflege Hessen)
13.50 - 14.05 Uhr	Denkmalinformationssystem DIS-3ENCULT Das Raumbuchkonzept erweitert um energetische Aspekte

Dipl.-Ing. W. Frey (Pro Denkmal), Dipl.-Ing. F. Haas (TU Dresden)

14.10 - 14.30 Uhr Kaffeepause

Session 2	Technische Lösungen
14.30 - 14.45 Uhr	Innendämmung - Gefahren und Lösungsansätze DrIng. R. Plagge (TU Dresden)
14.50 - 15.05 Uhr	Integration von hocheffizienter Lüftung in denkmalgeschützten Gebäuden - Schutz für die Bausubstanz und optimale Raumluftqualität bei minimalem Eingriff in die Substanz DrIng. R. Pfluger (TU Innsbruck)
15.10 - 15.25 Uhr	Energetische Berechnung von Gebäuden J. Grove-Smith (Passivhaus Institut)
15.30 - 15.50 Uhr	Kaffeepause

Session 3	Beispiele aus der Praxis
15.50 - 16.05 Uhr	Interdisziplinäre Entwicklung eines energieeffizienten Verbundfensters für das Waaghaus in Bozen DiplIng. F. Haas (TU Dresden), F. Freundorfer (Men. André), DiplIng. D. Exner (EURAC)
16.10 - 16.25 Uhr	Energetische Ertüchtigung und integrales Klima- und Feuchtemonitoring am Beispiel eines historischen Strickbaus in Appenzell (Schweiz) DiplIng. MBA S. Reeb (Universität Stuttgart)
16.30 - 16.45 Uhr	Energieeffizienz macht Schule - Sanierung denkmalgeschützter Bausubstanz aus der frühen Moderne am Beispiel einer Hauptschule in Innsbruck von Arch. Franz Baumann DrIng, Rainer Pfluger (TU Innsbruck), DiplIng, K, Längle (TU Innsbruck),



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Kind of activity	Presentation at fairs	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	PASSIBAT Congress and exhibition	
Date	4 & 5 th December 2012	
Place	Parc Floral, PARIS, France	
Type of audience	✓ End-users & their associations	☐ Consumer organisations
	EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	Congress 150 persons: exhibition : 2500 visitors	
Countries addressed	France, Belgium	

Description

Presentation of the 3ENCULT Project and exhibition of the window prototype developed by ANDRE. The event allow a large number of contacts with architects and end users; at the conference attended ca. 150 visitors; ca. 2500 visitors at the exhibition.







Kind of activity	Presentation on fairs	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	Europäische Schlösser und Garter	ntage
Date	28th of February – 1st of March 2013	
Place	Palais Liechtenstein VIENNA, Austria	
Type of audience	✓ End-users & their associations	☐ Consumer organisations
	EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	60 exhibitors	
Countries addressed	Euopean countries, specially Austr	ia

Description

The window prototype was presented at the exhibition "Europäische Schlösser und Gartentage " by the Austrian company KRANZ specialised in historic box windows. This company produced the window prototype in cooperation with Franz Freundorfer, Menuiserie Andre and Josef Lorber (cooperation Propassivhausfenster GmbH).





Kind of activity	presentation at exhibition / fair	
Lead Beneficiary	P08 BLL	
Contributing beneficiaries	EURAC, ANDRE, REMMERS, G1S,	
Title	Salone del Restauro	
Date	March 20 – 23 rd , 2013	
Place	Ferrara, Italy	
Type of audience	✓ End-users & their associations	☐ Consumer organisations
	☐ EU, national & local authorities	\square NGOs in CH Preservation
	▼ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	2000	
Countries addressed	Italy	

Description

Presentation of the demonstator - a prototype of a luminaire, close to industrialization - at the Salone del Restauro in Ferrara. The project was presented by ANDRE; the prototype was exhibited together with a poster explaining its technical characteristics. Salone del Restauro is one of the major fair on cultural heritage; at the fair attended more than 2000 participants.









Kind of activity Presentation on Trade Fairs **Lead Beneficiary EURAC ANDRE Contributing beneficiaries** ARUP ARTEMIS BLL CARTIF REMMERS Title Salone del Restauro Date 20 to 23 march 2013 **Place** Ferrara, Italy Type of audience ☑ End-users & their associations ☐ Consumer organisations ☐ EU, national & local authorities ☐ NGOs in CH Preservation ▼ Technological enterprises ☐ NGOs in energy Efficiency ✓ Scientific Community Other: Size of audience 2000 **Countries addressed** Italy

Description

Presentation of the window prototype developed by ANDRE. Conference on project, case studies and innovative solutions by Franz Freundorfer (ANDRE).

Refurbishment and energy retrofit of existing and historical buildings; strategies, process and case studies were presented by Enrico Zara (ARUP) on 22th March 2013.







Kind of activity	presentation at exhibition / fair	
Lead Beneficiary	P08 BLL	
Contributing beneficiaries	REMMERS, IBK-Dresden	
Title	2 nd International Congress on Interior Insulation 2013	
Date	April 12 – 13th, 2013	
Place	Dresden, Germany	
Type of audience	☐ End-users & their associations	☐ Consumer organisations
	▼ EU, national & local authorities	▼ NGOs in CH Preservation
	▼ Technological enterprises	▼ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	180	
Countries addressed	EU	

Description

Presentation of the demonstator (already industrialized prototype) at the 2nd International Congress on Interior Insulation 2013 on the booth of Remmers. Together with the prototype, the R&D-results were presented. Product and R&D-results were presented by Remmers, IBK-Dresden. At the conference attended ca. 180 participants.

Dresden, International Congress Center







Remmers booth



Audithorium



Kind of activity	presentation at exhibition / fair	
Lead Beneficiary	P08 BLL	
Contributing beneficiaries	ATREA, EURAC, ANDRE, REMMERS	
Title	17 th International Passive House Conference	
Date	April 19 – 20th, 2013	
Place	Frankfurt, Germany	
Type of audience	✓ End-users & their associations	✓ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	☐ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	1000	
Countries addressed	EU, US, China, Russia	

Description

Presentation of the demonstator (=prototype, close to industrialization) at this fair on the booth of 3encult. Also other partner demonstrated their products at this fair. The ATREA prototype was presented by Andre, Remmers.

The conference attended ca. 1000 participants including members of the scientific community, endusers, consumers.









Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC, BLL, ATRIA, ANDRE	
Title	17 th International Passive House Conference	
Date	19 & 20 April 2013	
Place	FRANKFURT Congress Germany	
Type of audience	▼ End-users & their associations	▼ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	☐ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	1000	
Countries addressed	EU countries	

Description

Presentation of the window prototype on the common booth and on the booth of "Smartwin" Propassivhausfenster GmbH. The prototype was presented by ANDRE.







Kind of activity	Presentation on fairs, conference	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	PASSI'BAT	
Date	3 rd & 4 th of december 2013	
Place	PARIS, Parc Floral Vincennes, France	
Type of audience	▼ End-users & their associations	☐ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	☐ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	2400 visitors	
Countries addressed	France, Belgium	

Description

The congress gathers France and EU experts on sustainable buildings together. Simultaneously with the congress, occurs the exhibition "le Salon national du Bâtiment Passif". The 3ENCULT project and the window prototype developed by ANDRE have been presented at both exhibition and conference; with special focus on the window development and application in case study 1.





Kind of activity	Presentation on fairs	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	1 st Salon de l'Artisanat Rhône Alpes	
Date	22 nd to 24 th of November 2013	
Place	VALENCE, France	
Type of audience	✓ End-users & their associations	✓ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	☐ Technological enterprises	☐ NGOs in energy Efficiency
	☐ Scientific Community	Other:
Size of audience	9200 visitors	
Countries addressed	Region Rhône-Alpes, France	

Description

Presentation of the window prototype by ANDRE. The fair is one of the most France important fair on handcrafted products. The fair has a section on innovative products. At the fair attended more than 200 exhibitors and ca. 9200 visitors.





Kind of activity	presentation at conference	
Lead Beneficiary	P08 BLL	
Contributing beneficiaries	EURAC	
Title	ACE Workshop	
Date	February 6th, 2014	
Place	Brussels, Belgium	
Type of audience	☐ End-users & their associations	☐ Consumer organisations
	▼ EU, national & local authorities	▼ NGOs in CH Preservation
	☐ Technological enterprises	□ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	50	
Countries addressed	EU	

Description

Presentation of the wallwasher, the luminaire prototype developed by BB within the 3encult project, industrialized and produced by Projektleuchte. The lighting design project for Sala Urbana in Bologna. was presented by Robert Weitlaner (BLL). A number of 50 participants attended the workshop in Brussels.





Photos



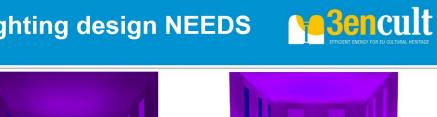


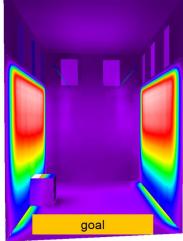
3 6th Feb., 2014

ACE - Workshop, R. Weitlaner



Lighting design NEEDS





Available systems

11 6th Feb., 2014

ACE - Workshop, R. Weitlaner





Kind of activity	presentation at exhibition / fair	
Lead Beneficiary	P08 BLL	
Contributing beneficiaries	EURAC, Comune di Bologna	
Title	Migliorare le prestazioni energetiche negli edifici storici	
Date	March 5th, 2014	
Place	Bologna, Italy	
Type of audience	☐ End-users & their associations	☐ Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	▼ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	100	
Countries addressed	Italy	

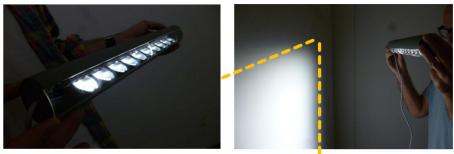
Description

Presentation of the new wallwasher luminaire developed by BLL within the project 3ENCULT. The lighting design project of Sala Urbana (Palazzo D'Accursio, Bologna).and the developed luminaire have been presented by Marina Fusco (Bartenbach). The conference opened the exhibition of the 3ENCULT project on 5th March 2014. A poster concerning the lighting project have been exhibited together with a luminaire prototype.

The conference had an audience of ca. 100 participants, including members of Municipality and Public Bodies; Cultural heritage experts, energy services Companies, construction enterprises, University and Academies.



Photos



Primo prototipo in box cilindrico



Urban Center Bologna, M. Fusco



Fornitore: Projektleuchten GmbH





Projektleuchten GmbH

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22 5th March., 2014

Urban Center Bologna, M. Fusco





Kind of activity	Presentation on fairs, conference	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	ECOBAT	
Date	21th of march 2014	
Place	PARIS	
Type of audience	☐ End-users & their associations	Consumer organisations
	▼ EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	☐ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	100 persons on the conference	
Countries addressed	France, Belgium, Switzerland	

Description

At the conference "energy efficient refurbishment" the window development was presented by Mathilde André and La Maison Passive France. The conference registered an audience of ca. 100 participants mainly coming from France, Belgium and Switzerland and including members of EU authorities, technological enterprises and Scientific Community.





Kind of activity	Presentation at exhibition/ fair	
Lead Beneficiary	ANDRE	
Contributing beneficiaries	EURAC	
Title	Salon du Bois	
Date	3 – 6 April 2014	
Place	Alpexpo Grenoble	
Type of audience	☐ End-users & their associations	Consumer organisations
	EU, national & local authorities	☐ NGOs in CH Preservation
	▼ Technological enterprises	▼ NGOs in energy Efficiency
	Scientific Community	Other:
Size of audience	6000 visitors, end users, architects, craftsmen	
Countries addressed	France	

Description

The fair promotes sustainable products for France Alpine space. In this context has been presented the window prototype developed by ANDRE and its suitability to be applied in eco-sustainable constructive solutions.

