



D11.1-C Mid-Term Awareness & Dissemination Progress Assessment

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Summary

The Mid-Term Awareness and Dissemination Progress Assessment is a public document delivered in the context of WP11, Task 11.1: Awareness and Dissemination with regard to ensuring the proper dissemination of knowledge generated within the scope of this project, as well as the use of this knowledge by certain key stakeholders and target groups.

This document is about the specific dissemination activities that have already taken place until month 18, as well as the activities planned for months 18 – 36.

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Abbreviations

eDIANA	Embedded Systems for Energy Efficient Buildings
WP	Work Package

Introduction

The objective of this report is to identify, in detail, the activities that have been performed in order to promote commercial exploitation of the project's results and to achieve the widest dissemination of knowledge from this project. This report is expanded in two directions: describing and assessing those dissemination activities that have already taken place until month 18, and updating future dissemination plans by new events or further details, not already mentioned in D11.1-B.

Dissemination is a horizontal activity and concentrates on disseminating the results of eDIANA project itself to a wide range of existing or potential stakeholders. Therefore, apart from the partners directly involved in Task11.1, all project partners have been issued dissemination templates through which they can record and send in any minor or major dissemination activities that they have participated in, such as journal/conference publications, or attendance in various related events. Based on that, this deliverable includes all dissemination activities undertaken by the consortium until month 18.

1. Educational Activities and Promotional Events

1.1 IERC: IoT European Research Cluster meeting

Venue and date: Avenue de Beaulieu 25, Brussels - June 3rd 2010

Description: The IOT European Research Cluster (<http://www.rfid-in-action.eu/cerp>) is bringing EU-funded projects together to define and promote a common vision of the Internet of Things

The main objectives of the Cluster are:

- Facilitate networking of different RFID and IoT projects in Europe
- Coordinate research activities in IoT including RFID
- Leverage expertise, talents, and resources and maximize impact
- Establish synergies between projects

N° of Attendants: 20

Relevant Contacts/Attendants

- Ian Smith , AIM UK
- Prof. Rahim Tafazolli and F. Carrez , University Of Surrey
- Dr. Markus Eisenhauer, Fraunhofer FIT
- Gabriella Monteleone , TXT Polymedia s.p.a.
- Andreas Keis , EADS
- Amine M. Houyou, Siemens AG

Annotations:

The importance of the cluster is relevant to be present in there, even though is not an pure FP7, but we concluded that Artemis program should be here a key point to be present in the cluster. Further meetings will be held in the next few months.

1.2 Meet & Match

Venue and date: High Tech Campus, Building 7, May 25 – June 11 2010.

Description: The Meet & Match innovation event, aims to introduce the latest innovative technologies developed in Philips Apptech to representatives from companies and organisations. Attendees have the opportunity to experience practical innovation at work in demos, ideation sessions, seminars and lectures.



Technologies developed by Apptech in the scope of eDiana project were placed in the exhibition booth of the Energy segment and were introduced and discussed with the attendees.



Nº of Attendants: 1000 visitors from Philips and other customers in two weeks.

For more information, please visit www.apptech.philips.com/meetandmatch

1.3 4th Concertation Meeting on Monitoring and Control. Brussels

Venue and date: Avenue de Beaulieu 25, Brussels - June 2nd 2010

Description: The aim of this event, organized by the European Commission, is to build synergies among all projects working in the field of Monitoring and Control, avoiding unnecessary duplications, sharing experiences and aiming at true interoperability. Also to check common issues and overlaps with other on-going projects.



The Ikerlan representative presented eDIANA project, showing an overview and current status, as well as specific issues concerning the development of sensors and devices for energy-management applications.

Nº of Attendants: 50 aprox.

Relevant Contacts/Attendants

José Luis Malaquias (ISA) – jmalaquias@isa.pt

Jean-Dominique Decotignie (CSEM) – jean-dominique.decotignie@csem.ch

Oliver Amft (TU Eindhoven) - amft@computer.org

Pedro José Marrón (University of Duisburg-Essen) – pjmarron@uni-due.de

Aníbal Ollero (CATEC) – aollero@catec.aero

Annotations:

Three issues have been addressed by Mr. Jorge Pereira from the European Commission as research challenges for Wireless Sensor Networks (WSN): large-scale issues, heterogeneous deployments and accessibility to non-expert users.

1.4 Information Sharing Meeting with Home Automation Europe

Venue and date: Amsterdam, 23 March 2010

Description: Philips Consumer Lifestyle (PCL) and Home Automation Europe (HAE) (<http://www.homeautomationeurope.com>) decided to have informal meetings frequently (about 4 monthly). HAE is an innovative and leading technology company, which aims to provide affordable and integrated residential energy management solutions. HAE follows a strong user centred design approach and are specialised in designing interfaces for their product range.

eDIANA was introduced to HAE in Amsterdam, on March 23rd 2010. HAE introduced their product line to PCL. Especially a lot of information was shared about dedicated energy management user interfaces. Next to that both parties agreed to update each other. Also HAE user interface experts will contribute by reviewing the eDIANA interface.

In general, HAE showed their interest towards the eDIANA project. Both partners learned from each other. PCL and HAE are convinced that an informal collaboration can bring the aims of both partners on a higher level.

Nº of Attendants: 2

Relevant Contacts/Attendants:

Ivo de la Rive Box – i.delarivebox@homeautomationeurope.com

1.5 Philips Alignment Meeting for Energy-Related EU Subsidy Projects

Venue and date: Eindhoven, 12 April 2010, 17 May 2010

Description: Philips is involved in several 'energy related' European Subsidy Projects. The responsible of the different Philips departments who are involved in energy projects meet at least once every two months to exchange information about these projects. Examples of involved projects are EDIANA, FIEMSER, ADDRESS, HERTZ, SMART PM, SCALOPES, AIM, etc.

Since Philips is a multinational enterprise, they have several departments independently working on energy projects. Mainly the alignment meeting has several purposes:

- The different projects can inspire each other, what will increase the quality of the output
- By collaborating we can avoid overlap
- Project demonstrators can be shared by the different partners

Nº of Attendants: 5+

Organisations Involved: Philips Consumer Lifestyle, Philips Advanced Technology, Philips APPTTECH, Philips Research, Philips MiPlaza

Relevant Contacts/Attendants :

Oliver Schreyer (Philips Research) - oliver.schreyer@philips.com

Andari Husen (Philips Research) - andari.husen@philips.com

Etienne Coezijn (Philips Consumer Lifestyle) - etienne.coezijn@philips.com

Alessio Filippi (Philips Research) - alessio.filippi@philips.com

Erik Lieuwen (Philips Consumer Lifestyle) - erik.lieuwen@philips.com

Hu Hao (Philips Research) - hao.hu@philips.com

Bastiaan De Groot (Philips Apptech) - bastiaan.de.groot@philips.com

1.6 High level event on ICT for Energy Efficiency

Venue: Nice, 16-17 November 2009

Description: The ICT for sustainable homes conference and exhibition was focused on some issues faced to achieve the sustainable home: greener homes, more meaningful and affordable products, new markets at the international scale, health, security, communication, knowledge and learning, etc.



The conference also included a roundtable entitled "Let's Team Up for Greener Homes", which was an opportunity for Beywatch project leaders and invited keynote speakers to highlight the major trends, from market, political and technological points of view, on how the ICT could be used to reduce the energy consumption at homes and buildings, thus reducing at the same time the CO2 emissions. By doing so, Utilities have with ICT a very powerful tool to manage the Grid and make it smarter.

An exhibition stand was organized and Borja Tellado (LABEIN) with support from ACCIONA in panel and Leaflets design, participated in the conference.

Nº of Attendants: 300 approx.

Relevant Contacts :

Hervé Haro (Orange) herve.haro@orange.ftgroup.com

Susana Bañares (Red Eléctrica Española) sbanares@ree.es

Ana Rosselló (DTU Fotonik) aros@fotonik.dtu.dk

1.7 BDigital Global Congress

Venue: Barcelona 17-20 May 2010

Description: The BDigital Global Congress is the benchmark congress on breakthroughs in information and communication technologies (ICT) and their business, technological and social applications.



This year, the congress will be dedicated to the "Internet of the Future", considered one of the European Commission's priority lines of research, which will affect the development of intelligent infrastructure, energy networks and new systems of transport, mobility and healthcare, among others.

I&IMS took part in the 12th edition of Bdigital Global Congress, taking place at CaixaForum Barcelona on next 17-20 May 2010, and especially to the sessions dedicated to "Technologies for health" and "Energy efficiency in buildings", being I&IMS' working fields through different European R&D&I projects like MIDAS, DiY Smart Experiences and eDiana.

Nº of Attendants: More than 2,000

Relevant Contacts :

Dr. Carles Sans (Barcelona Digital Technology Center)

Alejandra González (Unión Fenosa)

Relina Bulchandani (Cisco USA)

Notes: Several topics were discussed, one of them concerning to eDIANA "energy efficiency". It was focused on macro-level (buildings and smart cities). eDiana focuses on macro-level and micro-level too.

1.8 February 2009, NANOTECH TOKYO. Presentation of eDiana activities and expected results.

Venue: Nanotech Tokio, 16-20 February 2009

Description: GAIA was invited in order to different projects related to the utilisation of the embedded systems. GAIA disseminated eDIANA objectives and project expected results

Nº Attendants: 5000 aprox.

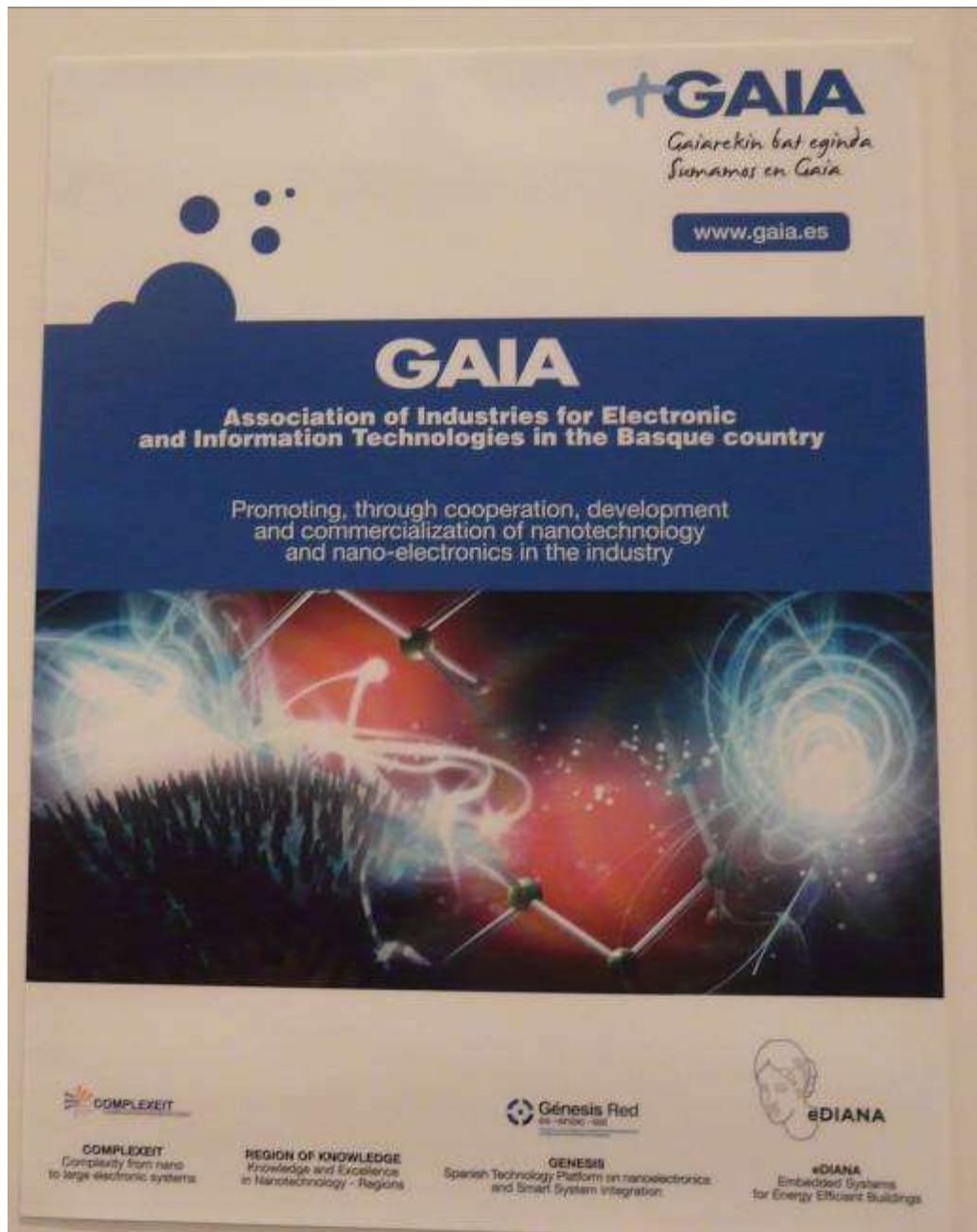


1.9 - **May 2009, NSTI USA.** Presentation of eDiana activities and expected results.

Venue: NSTI USA, 2-8 May 2009. Houston

Description: GAIA was invited in order to different projects related to the utilisation of the embedded systems. GAIA disseminated eDIANA objectives and project expected results

Nº Attendants: 2000 aprox.



1.10 - 10 to 11 December 2009, Strasbourg, France - Intermediary Conference – Forum green and connected cities. This intermediary conference presented the mid-term results of the ICT21-EE Thematic network.

(<http://www.greenconnected.eu/anglais/home/>)

Venue: Strasbourg, 10-11 December 2009

<http://www.greenconnected.eu/anglais/home/>

Description: GAIA/eDIANA was invited in order to present project objectives and results in the workshop 7-ICT for energy efficiency in Buildings

Nº Attendants: 100 aprox.

1.11 - 26 November 2009. Sevilla, Spain. Presentation of eDiana activities and expected results in GENESIS General Assembly.

Venue: Sevilla, 26 November 2009

Description: GENESIS is the Spanish technological platform related to nanoelectronics and integration of embedded systems. GAIA is one of the coordinators of the activities of this platform in Spain and this year GAIA presented the activities of eDiana project during the general assembly.

Nº Attendants: 70 aprox.

1.12 - November 2009. Paris, France. Presentation of the Excellence centre for embedded systems and energy efficiency

Venue: Paris, November 2009

Description: GAIA was invited in order to present the activities carried out in order to create the center of excellence in embedded systems (eDiana center of excellence).

Nº Attendants: 50 aprox.

1.13 - November 2009. London, UK. ICT for sustainable cities event, Towards NET Zero, in London, related to challenges of reducing the carbon emissions of your buildings

Venue: London, November 2009

Description: Attendance to the most important conference towards net zero in UK. From the event it was concluded that eDiana was very important project and tried to find synergies of the project within ongoing local projects with regards on the multiple contacts that we discuss with.

Nº Attendants: 250 aprox.

For more information of the event check the website:

<http://towardsnetzero.com/ME2/Sites/Default.asp?SiteID=DBEFCAAE838499F843FF1966447C472>

1.14 - November 2009. Brussels REEB meeting: Energy-efficient Buildings (EeB) PPP – Research priorities for the definition of a Multiannual Roadmap and longer term Strategy contribution.

Venue: Brussels, November 2009

Description: Attendance to the meeting to develop the REEB strategic agenda for energy efficient buildings and the vision of the future E2D – PPP.

N° Attendants: 15 aprox.

For more information of the event check the outcome of the meeting:

<http://www.e2b-ei.eu/documents/E2B%20MR%20Updated%20Draft%209%2011%202009.pdf>

2. Press and Communication

2.1 Newsletter 1 & 2

Two newsletters have been released until month 18, prepared by Acciona and Gaia. They have been sent to all eDIANA Interest Group members, as well as distributed in several events during the last months. Both newsletters are available in the public web page.

The image shows two newsletters side-by-side. The left one is 'eDIANA is progressing...' (Issue N°1, July 2009) and the right one is 'eDIANA - First Year' (Issue N°2, January 2010). Both newsletters feature the eDIANA logo and the text 'Embedded Systems for Energy Efficient Buildings'. The newsletters contain various articles, including 'Major achievements', 'Period aftermath', and 'eDIANA Contacts'. The 'Major achievements' section in the first newsletter mentions that project partners have developed an intensive task of coordinating in the most appropriate way all previous research and produce on the field of energy efficiency in buildings. The 'Period aftermath' section in the second newsletter discusses the results of the project and the impact of the project on the building industry. The 'eDIANA Contacts' section in both newsletters provides contact information for the project partners, including names, addresses, and email addresses.

2.2 Newsletter 3

Apptech will prepare the 3rd version of the eDiana Newsletter. For this issue, a summary of activities and results from WP1 and WP2 has been selected, as these are currently the most "mature" WPs and it is possible to go into some useful details regarding the work done in that context.

2.3 Radio interview

Participation in an interview at the radio in a program called "Science and University" to explain eDiana Project. The radio channel was "Radio SER" in Spain and the interview took place on 31-01-10.

During the interview a general explanation of eDiana for spreading the project to non-specialized general public was given.

2.4 Dissemination activities

The activities carried out by GAIA

News letter template

Development of the first version of the newsletter template. Elaboration of the template with the information provided by the rest of the partners.



Dissemination material

Poster, leaflet. Collaboration in the development of the dissemination materials.

Interest Group

Identification of the interest group list for the dissemination of the newsletter and project information.

Press dissemination

We have made an intensive work in disseminating eDIANA project activities in press media.

PAPER REFERENCES

DATE	MEDIA NAME	TITLE
26/01/10	Europa Press	Agentes tecnológicos vascos participan en un proyecto europeo para optimizar el consumo de energía en edificios
1/02/10	Empresa XXI	Empresas vascas colaboran en un plan europeo de energía
December 2009	Automática e instrumentación	Objetivo: desarrollo en Europa de software intensivo y servicios embedded

DIGITAL REFERENCES

DATE	MEDIA NAME	TITLE
26/01/10	Energelia.com	Ediana optimizará el consumo de energía en edificios
26/01/10	Energetica21.com	Ediana optimizará el consumo de energía en edificios (Digital and Newsletter)
26/01/10	Cronica de Aragón	Ediana optimizará el consumo de energía en edificios
26/01/10	Ecoticias.com	Ediana optimizará el consumo de energía en edificios
26/01/10	Newstin.com	Ediana optimizará el consumo de energía en edificios
26/01/10	Wikio.es	Ediana optimizará el consumo de energía en edificios
2/02/10	Igipuzkoa.net	Ediana, plataforma tecnológica para la optimización del uso de energía en edificios

		(ARTEMIS)
26/01/10	Nuevagestion.com	Ediana optimizará el consumo de energía en edificios
26/01/10	Ambientum.com	Newsletter. Ediana optimizará el consumo de energía en edificios
26/01/10	Cibersur	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Cibersur	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Comunicado-prensa.com	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Innovación Medioambiental; IM	Newsletter. Ediana optimizará el consumo de energía en edificios
26/01/10	Energelia.com	Newsletter. Ediana optimizará el consumo de energía en edificios
26/01/10	Ecoticias.com	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Acceso	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Efikosnews.com	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Winred.com	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Construnario.com	Newsletter. Ediana optimizará el consumo de energía en edificios
26/01/10	Electrónica & Comunicaciones	Newsletter. Ediana optimizará el consumo de energía en edificios
26/01/10	Ambiente y Clima	Digital. Ediana optimizará el consumo de energía en edificios
26/01/10	Crónica de Aragón	Digital. Ediana optimizará el consumo de energía en edificios



Instaladores * Ambiente * Calefacción * Instaladores * Ambiente * Calefacción

eDIANA optimizará el consumo de energía en edificios a través de tecnología embebida

eDIANA
Embedded Systems for Energy Efficient Buildings

eDIANA (Embedded Systems for Energy Efficient Buildings) addresses the need of achieving energy efficiency in buildings through innovative solutions based on embedded systems.

The principal of eDIANA is to provide a unique solution for the eDIANA initiative is the use of embedded systems to achieve energy efficiency in buildings through innovative solutions based on embedded systems. The project will be implemented through the development and implementation of embedded systems to achieve energy efficiency in buildings through innovative solutions based on embedded systems.

Main objectives

Technical aspects

Expected impacts

At a glance

www.artemis-ediana.eu

-GAIA-Cluster TEIC participa en este proyecto que cuenta con un presupuesto de más de 17 millones de euros.

-Gracias a eDIANA, los edificios se convertirán en células activas en la distribución de la red eléctrica.



La Plataforma eDIANA optimizará el uso de energía en residencias e otros edificios con el fin de ahorrar recursos naturales e incrementar el confort en el entorno urbano, a través de sistemas embebidos y tecnologías integradas.

Este proyecto se enmarca dentro de ARTEMISIA, Asociación Europea de agentes de I+D en el campo de la investigación avanzada y desarrollo de sistemas embebidos, y está liderado por la empresa Acciona Infraestructuras e impulsado por GAIA, Cluster de Tecnologías de la Electrónica, Información y Comunicación del País Vasco. La puesta en marcha de dicha iniciativa, que finaliza en diciembre de 2011, cuenta con un presupuesto total de más de 17 millones de euros.

El proyecto trabaja en el diseño, desarrollo y validación de nuevos dispositivos que operen dentro de una única plataforma denominada eDIANA. Este sistema se compone de células enlazadas con otras macrocélulas, conformando un tejido en red que abarque todo un distrito o área urbana, compartiendo los recursos energéticos. De esta forma, gracias a su interoperatividad, se consigue incrementar notablemente la eficiencia y optimizar el consumo, producción y acumulación global de la energía.

eDIANA será la plataforma base en la que se instalen los sistemas integrados de tecnología embebida que estarán implantados en los edificios. Esta tecnología mejorará la eficiencia energética y optimizará su consumo en los edificios en un 25%, garantizando el ahorro y control de la misma en tiempo real. Además, se aumentará el confort por parte del usuario, quien podrá gestionar la intensidad de aplicaciones de uso diario como la luz o los electrodomésticos.

De esta forma, la plataforma eDIANA se convierte en un gran avance para la integración de la red eléctrica, convirtiendo a los edificios en sistemas inteligentes y activos, conectados a otras macrocélulas similares en un distrito o área urbana.

GAIA-Cluster TEIC (Cluster de las Tecnologías Electrónicas, Informáticas y de la Comunicación del País Vasco), creada en 1983, cuenta actualmente con 240 empresas a las que apoya en ámbitos como el I+D+i, formación y recursos humanos, internacionalización, gestión avanzada, certificaciones, establecimiento de alianzas estratégicas, entre otros servicios.

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Mayor información: Indique nº 85


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<p>Secciones</p> <p>Solar fotovoltaica</p> <p>Solar térmica</p> <p>Solar termoelectrica</p> <p>Eólica</p> <p>Biocarburos</p> <p>Biomasa</p> <p>Minihidráulica</p> <p style="background-color: #92d050; color: white;">Otras fuentes</p> <p>I+D+i</p> <p>Entrevistas</p> <p>Ofertas de empleo</p> <p>Legislación</p> <p>Incentivos y ayudas</p> <p>Cursos</p> <p>Boletines</p> <p>Vehículos ecológicos</p>	<p>Inicio > Otras fuentes > eDIANA optimizará el consumo de energía en edificios</p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;">  902 022 388 suministro de módulos solares e inversores www.energiasverdes.com info@energiasverdes.com </div> <h2 style="margin: 0;">eDIANA optimizará el consumo de energía en edificios</h2> <p style="margin: 0;">martes, 26 de enero de 2010</p> <div style="display: flex; align-items: flex-start;">  <div> <p>La Plataforma eDIANA optimizará el uso de energía en residencias y otros edificios con el fin de ahorrar recursos naturales e incrementar el confort en el entorno urbano, a través de sistemas embebidos y tecnologías integradas.</p> <p>Este proyecto se enmarca dentro de ARTEMISIA, Asociación Europea de agentes de I+D en el campo de la investigación avanzada y desarrollo de sistemas embebidos, y está liderado por la empresa Acciona Infraestructuras e impulsado por GAIA, Cluster de Tecnologías de la Electrónica, Información y Comunicación del País Vasco. La puesta en marcha de dicha iniciativa, que finaliza en diciembre de 2011, cuenta con un presupuesto total de más de 17 millones de euros.</p> <p>El proyecto trabaja en el diseño, desarrollo y validación de nuevos dispositivos que operen dentro de una única plataforma denominada eDIANA. Este sistema se compone de células enlazadas con otras macrocélulas, conformando un tejido en red que abarque todo un distrito o área urbana, compartiendo los recursos energéticos. De esta forma, gracias a su interoperatividad, se consigue incrementar notablemente la eficiencia y optimizar el consumo, producción y acumulación global de la energía.</p> <p>eDIANA será la plataforma base en la que se instalen los sistemas integrados de tecnología embebida que estarán implantados en los edificios. Esta tecnología mejorará la eficiencia energética y optimizará su consumo en los edificios en un 25%, garantizando el ahorro y control de la misma en tiempo real. Además, se aumentará el confort por parte del usuario, quien podrá gestionar la intensidad de aplicaciones de uso diario como la luz o los electrodomésticos.</p> <p>De esta forma, la plataforma eDIANA se convierte en un gran avance para la integración de la red eléctrica, convirtiendo a los edificios en sistemas inteligentes y activos, conectados a otras macrocélulas similares en un distrito o área urbana.</p> </div> </div>
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Nueva Gestión.com Euskadi

27 de enero de 2010, miércoles

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27.01.2010 EDIFICACIÓN EFICIENTE | 7

Agentes Tecnológicos vascos participan en un proyecto europeo para optimizar el consumo de energía en edificios

La Plataforma eDIANA optimizará el uso de energía en residencias y otros edificios con el objetivo de ahorrar recursos naturales e incrementar el confort en el entorno urbano, utilizando sistemas embebidos y tecnologías integradas. El proyecto se enmarca dentro de ARTEMISIA (Asociación Europea de agentes de I+D en el campo de la investigación avanzada y desarrollo de sistemas embebidos), y está liderado por la empresa Acciona Infraestructuras e impulsado por GAIA-Cluster TEIC.

La puesta en marcha de dicha iniciativa, en la que ya se lleva un año trabajando y cuya finalización está prevista en diciembre de 2011, cuenta con un presupuesto total de más de 17 millones de euros. Participan asimismo como partners del proyecto, los agentes y empresas tecnológicas vascos: **ZIV, Fagor, ESI Tecnalia, Ikerlan, Labelin Tecnalia y Mondragón Unibertistatea**.

El proyecto trabaja en el diseño, desarrollo y validación de nuevos dispositivos que operen dentro de una única plataforma denominada eDIANA. Este sistema se compone de células enlazadas con otras macrocélulas, conformando un tejido en red que abarque todo un distrito o área urbana, compartiendo los recursos energéticos. De esta forma, **gracias a su interoperatividad, se consigue incrementar notablemente la eficiencia y optimizar el consumo, producción y acumulación global de la energía.**



WIKIO

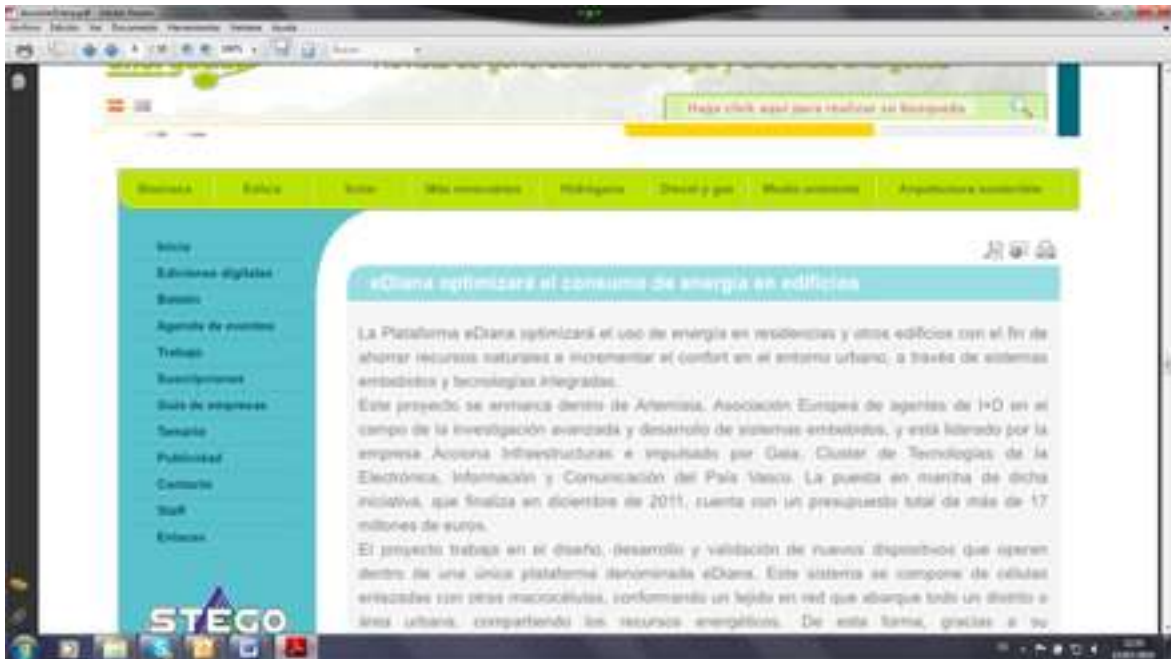
eDiana ayudará a optimizar energía a los edificios mediante tecnología embebida

27 de enero de 2010, miércoles | 7

La Plataforma eDIANA optimizará el uso de energía en residencias y otros edificios con el fin de ahorrar recursos naturales e incrementar el confort en el entorno urbano, a través de sistemas embebidos y tecnologías integradas.

Compartir en: Facebook, Twitter, LinkedIn, StumbleUpon

Etiquetas: eDiana, energía, edificios, tecnología embebida





3. Scientific Papers and Conferences

3.1 IEEE Sensors Journal, special issue on Wireless Sensor Technologies

Paper Title: An Overview on Wireless Sensor Networks Technology and Evolution

Authors: Chiara Buratti, Andrea Conti, Davide Dardari and Roberto Verdone

Summary

The paper deals with Wireless Sensor Networks (WSNs) applications and technologies. Environmental monitoring applications, with particular interest toward Energy Efficient Buildings, are treated. The eDIANA objectives, the reference scenarios and applications are described in the paper.

3.2 European Conference on Wireless Sensor Networks, EWSN

Paper Title: Demo Abstract: ZigBee-Based Platform for Energy Efficient Buildings

Authors: Cengiz Gezer, Chiara Buratti, Armando Visconti, Riccardo Ukmar and Roberto Verdone

Summary

The demo was presented by Cengiz Gezer (UNIBO) during the EWSN 2010 Conference held in Coimbra, Portugal on February 19. In the demo, a Cell was considered and IEEE 802.15.4/Zigbee Freescale devices were used to transmit data to the Cell Device Concentrator, represented by the ST SPEAr600 platform. A multi-hop ZigBee network was formed and latency measurements were realized.

3.3 Tyrrenian Workshop

Paper Title: An IEEE 802.15.4 Wireless Sensor Network for Energy Efficient Buildings

Authors: Chiara Buratti, Alberto Ferri, Roberto Verdone

Summary

The paper has been presented by Chiara Buratti during the Tyrrenian Workshop, held in Pula, Italy on September 2009.

The paper deals with the first results achieved by UNIBO in the framework of Task 2.3 devoted to the communication part of the platform. In particular, we considered a building composed of apartments, where a number of IEEE 802.15.4 standard-compliant sensors are distributed. Performance, in terms of packet error rate, average delays and energy consumption, was evaluated and the impact of the

interferences is shown. Moreover, different network topologies are studied and compared. The aim of this study was to show the applicability of the IEEE 802.15.4 standard to the eDIANA application scenario and provide some guidelines for designing the network.

4. Updates on Future Activities

Here you can place activities not already mentioned in D11.1-B, or more details about these activities if you now have them (precise dates, information on content and material, information on attendance, changes, etc).

4.1 GAIA

For the incoming period the following dissemination activities

- Participation in the "Feria Energética-Expoenergética", Valencia, Spain 16-18 February. (Not confirmed yet).
- European label for the eDiana Center of excellence

4.2 ACCIONA

- 27-29 September, 2010 – ICT 2010 – Brussels - This biennial event has become a unique gathering point for researchers, business people, investors, and high level policy makers in the field of digital innovation. ICT 2010 will focus on policy priorities such as Europe's Digital Agenda and the next financial programme of the European Union for funding research and innovation in ICT. - (http://ec.europa.eu/information_society/events/ict/2010/index_en.htm)
- 14 October 2010 - World Office Forum Green Office – Barcelona, Spain - ffice buildings are ideal to work on innovation and find solutions to a constant and constructive confrontation between costs and technology. World Office Forum wants to make a contribution to this objective, organizing meetings between experts and all those willing to learn and exchange views and experience. And also help to establish new professional relationships, stimulate open debate and work together - (<http://www.worldofficeforum.com/wofgreenofficebcn.html>)
- 26 – 27 October 2010 – Co-summit ARTEMIS Autumn Event & ITEA 2 Symposium – Gent, Belgium – - This annual event is planned to take place on October 26 - 27, 2010. For more information, please visit the following website regularly - (https://www.artemisia-association.org/upcoming_events)
- 17-19 November 2010 – ICT for sustainable homes – Plaza Hotel, Nice, France - - This "research forum" focusing on "ICT for sustainable homes" (see the Event focus section) aims at providing companies, research laboratories and other organizations involved in ICT based products and services for the home with a key opportunity to meet and network, to be informed of latest developments and find fresh ideas, to identify promising technologies and markets, to find potential partners - (<http://ict-sustainablehomes.org/>)

Conclusion

This document attempts to collect the information related to the awareness and dissemination activities for the work developed in eDiana project.

The current involvement of consortium members in this task has ensured a broad range of exposure of eDiana to a large audience ranging from academics and corporations, through meetings and presentations, to the general public through the use of mainstream media such as radio shows.

Acknowledgements

The eDIANA Consortium would like to acknowledge the financial support of the European Commission and National Public Authorities from Spain, Netherlands, Germany, Finland and Italy under the ARTEMIS Joint Technology Initiative.