

CiViTAS
Cleaner and better transport in cities

ARCHIMEDES

AALBORG • BRIGHTON & HOVE • DONOSTIA-SAN SEBASTIÁN • IAȘI • MONZA • ÚSTÍ NAD LABEM

Donostia – San Sebastian

T4.3 Campaigns to promote biodiesel in Donostia Sebastian

Donostia – San Sebastian

July 2010



THE CIVITAS INITIATIVE
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1. Introduction

1.1 Background CIVITAS

CIVITAS - cleaner and better transport in cities - stands for City-VITALity-Sustainability. With the CIVITAS Initiative, the EC aims to generate a decisive breakthrough by supporting and evaluating the implementation of ambitious integrated sustainable urban transport strategies that should make a real difference for the welfare of the European citizen.

CIVITAS I started in early 2002 (within the 5th Framework Research Programme);
CIVITAS II started in early 2005 (within the 6th Framework Research Programme) and
CIVITAS PLUS started in late 2008 (within the 7th Framework Research Programme).

The objective of CIVITAS-Plus is to test and increase the understanding of the frameworks, processes and packaging required to successfully introduce bold, integrated and innovative strategies for clean and sustainable urban transport that address concerns related to energy-efficiency, transport policy and road safety, alternative fuels and the environment.

Within CIVITAS I (2002-2006) there were 19 cities clustered in 4 demonstration projects, within CIVITAS II (2005-2009) 17 cities in 4 demonstration projects, whilst within CIVITAS PLUS (2008-2012) 25 cities in 5 demonstration projects are taking part. These demonstration cities all over Europe are funded by the European Commission.

Objectives:

- to promote and implement sustainable, clean and (energy) efficient urban transport measures
- to implement integrated packages of technology and policy measures in the field of energy and transport in 8 categories of measures
- to build up critical mass and markets for innovation

Horizontal projects support the CIVITAS demonstration projects & cities by :

- Cross-site evaluation and Europe wide dissemination in co-operation with the demonstration projects
- The organisation of the annual meeting of CIVITAS Forum members
- Providing the Secretariat for the Political Advisory Committee (PAC)
- Development of policy recommendations for a long-term multiplier effect of CIVITAS

Key elements of CIVITAS

- CIVITAS is co-ordinated by cities: it is a programme “of cities for cities”
- Cities are in the heart of local public private partnerships
- Political commitment is a basic requirement
- Cities are living ‘Laboratories’ for learning and evaluating

1.2 Background ARCHIMEDES

ARCHIMEDES is an integrating project, bringing together 6 European cities to address problems and opportunities for creating environmentally sustainable, safe and energy efficient transport systems in medium sized urban areas.

The objective of ARCHIMEDES is to introduce innovative, integrated and ambitious strategies for clean, energy-efficient, sustainable urban transport to achieve significant impacts in the policy fields of energy, transport, and environmental sustainability. An ambitious blend of policy tools and measures will increase energy-efficiency in transport, provide safer and more convenient travel for all, using a higher share of clean engine technology and fuels, resulting in an enhanced urban environment (including reduced noise and air pollution). Visible and measurable impacts will result from significantly sized measures in specific innovation areas. Demonstrations of innovative transport technologies, policy measures and partnership working, combined with targeted research, will verify the best frameworks, processes and packaging required to successfully transfer the strategies to other cities.

1.3 Participant Cities

The ARCHIMEDES project focuses on activities in specific innovation areas of each city, known as the ARCHIMEDES corridor or zone (depending on shape and geography). These innovation areas extend to the peri-urban fringe and the administrative boundaries of regional authorities and neighbouring administrations.

The two Learning cities, to which experience and best-practice will be transferred, are Monza (Italy) and Ústí nad Labem (Czech Republic). The strategy for the project is to ensure that the tools and measures developed have the widest application throughout Europe, tested via the Learning Cities' activities and interaction with the Lead City partners.

1.3.1 Leading City Innovation Areas

The four Leading cities in the ARCHIMEDES project are:

- Aalborg (Denmark);
- Brighton & Hove (UK);
- Donostia-San Sebastián (Spain); and
- Iasi (Romania).

Together the Lead Cities in ARCHIMEDES cover different geographic parts of Europe. They have the full support of the relevant political representatives for the project, and are well able to implement the innovative range of demonstration activities.

The Lead Cities are joined in their local projects by a small number of key partners that show a high level of commitment to the project objectives of energy-efficient urban transportation. In all cases the public transport company features as a partner in the proposed project.

2. Donostia – San Sebastian

The city of Donostia -San Sebastián overlooks the sea and, with a bit more than 180,000 inhabitants, keeps a human scale. Some people consider the balanced combination of small mountains, manor buildings, and sea as the setting for one of the most beautiful

cities in the world. We have a tradition in favouring pedestrians, cyclists and public transport.

For about twenty years, the city has been enforcing a strong integrated policy in favour of pedestrians, bicycles and public transport. Considering walking and cycling as modes of transport has led to the building of a non-motorised transport network for promoting this type of mobility around the city.

Likewise, the city has extended its network of bus lanes. The city holds one of the higher bus -riding rates, with around 150 trips per person per year.

2.1 Objectives in CIVITAS

The CIVITAS project is a perfect opportunity to expand our Sustainable Urban Transport Strategy. With the package of CIVITAS measures Donostia-San Sebastián wants to:

- Increase the number of public transport users
- Decrease the number of cars entering in the city centre
- Increase the use of the bicycle as a normal mode of transport
- Maintain the high modal share of walking
- Reduce the number of fatal accidents and accidents with heavy injuries
- Reduce the use of fossil fuels in public transport.

3. Background to the Deliverable

This deliverable refers to Measure number 4 Biofuels and Clean Vehicles Donostia – San Sebastian. The Dbus company and the Municipality of Donostia San Sebastián are strongly committed to the use of biodiesel in the vehicles of municipal fleet and the Dbus fleet.

As a consequence of Task 1.6 of the ARCHIMEDES project, ADS developed a promotional campaign to raise the profile of two different, but dependent activities:

- Firstly, to encourage people of Donostia San Sebastián to start using biodiesel as part of the modification of their behaviour pattern in relation to use of mineral fuels.
- Secondly, to increase the quantity of oil that is recycled. Currently, oil recycling is expanding in all districts of the city, but the quantity of oil that is recycled is much less than expected. It is important to increase this activity as biofuel manufacturer's use used oil as their raw material to produce biofuels. Specific incentives such as prizes or merchandising were included in the campaign to try and encourage take up.

In order to achieve these two objectives, biodiesel among municipal fleet had to be promoted. At the time, use of biodiesel among these municipal vehicles was not that widespread. However, operators had the opportunity to use biodiesel as the local petrol supplier had one pump in one of their petrol stations. In addition, seven hybrid cars had to be bought by the local police as part of the ARCHIMEDES demonstration project which meant that biodiesel had to be purchased for this purpose.

4. Campaign to promote biodiesel

4.1 Descriptions of the Work Done

The campaign has been developed in two different parts.

Part 1

Firstly a press conference was organised with the local press. Agents of the biofuel production company, the used oil collection company, the mayor of the city, the mobility councillor, the mobility director and a renowned Two Michelin Star chef attended this conference in order to present and explain their different perspectives in the field of biodiesel.

The representative of Ecogras¹ explained the process of collecting used oil and how it is organised in Donostia San Sebastián. Information on current quantities collected was given with indications on levels that could be expected in the future.

The representative of Bionor, a company which produces biofuel from used cooking oil, explained how the manufacturing process produced biodiesel using recycled oil and what quantities are being produced at the moment.

Andoni Luis Aduriz, chef of the Mugaritz restaurant, one of the best ten restaurants in the world, explained why it was so important to recycle used oil and the consequences of not doing so, the most important of which is water pollution: if there is no way of recycling used cooking oil, once has been used, people have the use of flush it down the sink. That means that this oil, depending on where each person did it, could pollute rivers or the sea. It is said that one litre of cooking oil can pollute 100 litres of water.

An important aspect of the press conference was to inform people that all the biofuel used by the Dbus company buses comes from recycled oil. The director of mobility of the Municipality of Donostia San Sebastián also informed the conference that these actions were taking place inside the CIVITAS ARCHIMEDES project, which has the major goal of promoting sustainable mobility in the city.

We can see the Director of Ecogras, the chef Andoni Luis Aduriz, Odon Elorza (Mayor of Donostia San Sebastián), Maravi Dafauce (Mobility Councillor) and Gerardo Lertxundi (Mobility Director) in the presentation to the press of this campaign.

¹ Ecogras is the company in charge of collecting the used cooking oil in order to take it to the factory of Bionor. They have some small lorries which have a schedule to collect the oil for each district.



Fig. 1: Presentation to the press

Part 2

Secondly, a public presence in front of the Town Hall was organised. One EEV bus of the Dbus company and one point to collect used oil were placed at that location. This is probably the most visited place in the city, just in front of the beach and in the heart of the city. The aim was to encourage people to take the oil this place as well as make this kind of recycling more popular among people who do not practice it.

Merchandising was distributed and also a prize draw of two meals for two couples were offered by the Mugaritz restaurant as an incentive for those that took used oil to be collected. One leaflet was designed as well as two exhibition panels were prepared for the activity.



Fig. 2 The bus and the oil collection point in front of the Town Hall

The weather on that day was quite miserable and 100 of litres were collected. With a normal day we think that more than 250 litres could have been collected. But the main objective of this act was not the collection of oil but the visibility of oil recycling.

The leaflet prepared ad hoc for this event was distributed to the people who took part in this activity.

Also the promotion of biodiesel among the municipal has been completed. A letter was distributed to different departments in charge of the municipal vehicles fleet in order to encourage them to use biofuels. The company who won the tender of fuel supplying offers the possibility of biofuel providing. This company has two different petrol stations in the city (ES Anoeta and ES Larramendi) and in one of them there is a pump for biodiesel. So, for us is not difficult to take advantage of this possibility. The seven cars by the local police have been introduced in its fleet as part of the project. The local police has bought seven Toyota Prius, which are hybrid technology cars.

4.2 Problems Identified

No major problems have been identified during the development of this action. In fact, collaboration of the affected companies was really important, and, what we anticipated would be the most difficult aspect achieve (to attract a famous cook) was in fact very easy. From the very beginning Andoni Luis Aduriz was ready to collaborate with us and he has been really keen on the idea of recycling oil.

However, it was more difficult to coordinate the agenda of all interested parties involved. Companies, Major, Councillor and Chef each had different obligations and it was not always easy to get all of them at the same time for the press conference.

Apart from this, everybody was quite interested in promote oil recycling and use of biofuels.

Talking about the municipal fleet, we did not find any problem with them. They were really keen on this idea and they promoted it in a very positive way.

4.3 Risks and Mitigating Activities

As the Town Hall is probably one the most emblematic locations of the city, it was chosen as the best place to locate the bus and the recycling point. However, the problem with open air location is they are, of course, subject to wind and rain which was, unfortunately the case on the day of the conference. If the weather had been better, probably the amount of oil collected would have been higher.

In order to make this activity more visible and accessible to more people the local press was invited. The presence of the bus and recycling point was reported on in all local media and the coverage was wide as a consequence.

Regarding the promotion of biofuels in the local fleet, apart from talking to them and writing an official letter to influence and instil this as regular behaviour there has been little difficulty. (See Fig. 5). The fact that the company which won the tender of supply of fuels offered the service of biofuels made things a lot easier. This company offers the possibility of biofuel providing in one of their petrol stations (ES Anoeta). When some years ago the fuels tender was won by this company, one of the options they offered was this possibility, and they got more points in the tender for this reason.

4.4 Dissemination Activities

Different pieces of news have been published in the local media.

<http://www.diariovasco.com/v/20100514/san-sebastian/aceite-usado-mueve-autobus-20100514.html>
<http://www.diariovasco.com/v/20100514/san-sebastian/habra-contenedores-especiales-para-20100514.html>
<http://www.diariovasco.com/20100513/local/biodiesel-autobuses-donostia-reducira-201005131726.html>
<http://www.diariovasco.com/20100513/local/donostia-promueve-reciclaje-aceite-201005132004.html>
http://www.irutzulokohitza.info/albistek/68375/olioa_birziklatzeko_kanpaina_jarriko_du_abian_donostiabusek.htm
<http://www.noticiasdegipuzkoa.com/2010/05/14/vecinos/los-autobuses-de-donostia-utilizan-un-30-de-biodiesel-procedente-de-aceite-reciclado>
<http://www.20minutos.es/noticia/706312/0/>
<http://www.que.es/quipuzcoa/201005131854-sebastian-promueve-reciclaje-aceite-usado.html>
<http://www.europapress.es/euskadi/quipuzcoa-00389/noticia-san-sebastian-promueve-reciclaje-aceite-usado-cocinas-reutilizarlo-combustible-alternativo-20100513185444.html>
http://www.diariosansebastian.com/_n1348140_San_Sebastian_promueve_el_reciclaje_del_aceite_usado_en_las_cocinas_para_reutilizarlo_como_combustible_alternativo.html
<http://www.donostia.org/home.nsf/0/8BD36B7F986F2AB8C12577230033F413?OpenDocument&idioma=cas>
<http://www.diariovasco.com/v/20100516/san-sebastian/freir-anchoas-para-llenar-20100516.html>
http://www.diariosansebastian.com/_n1348601_La_utilizacion_de_biodiesel_en_el transporte_publico_de_San_Sebastian_supondra_una_reduccion_de_las_emisiones_de_CO2_de_8_5_toneladas_en_cuatro_anos.html
<http://www.nexotur.com/nexobus/dbus/emprende/campana/promocion/biodiesel/reciclado/aceite/san/sebastian/30284/>
<http://www.dbus.es/es/usuarios/noticia/184-el-biodiesel-que-utilizan-los-autobuses-de-dbus-procede-del-aceite-reciclado>

EMISIONES LOGICADAS

European Emissions per Passenger-kilometer

CONSUMO / 100 km

Un vistazo rápido a Dbus Begirada azkar bat Dbus-era

EN 2010...

- 84 autobuses estándar de 12m.
- 25 autobuses articulados de 18m.
- 8 autobuses de 10m.
- 8 motocicletas.
- Aviabilidad media de 5 años.
- 100% accesibles.
- 100% Aire Acondicionado.

**Y EN 2011...
¡TECNOLOGÍA HÍBRIDA!**

Utiliza aceite reciclado... ...en los autobuses de Dbus

autobuses ecológicos
d·bus

¿Sabes qué es el Biodiesel y para qué se utiliza? Zer da Biodiesela eta zertarako erabiltzen da?

El Biodiésel es una mezcla de ésteres metílicos de ácidos grasos, considerado un carburante ecológico, totalmente compatible con el gasóleo comercial.

Biodiesela azido koipetsuz eginko estere metilikoek nahaseta da, erregai ekologiko bat bezala kontsideratuta dago, eta gasolio komertzialarekin bateragarria da.



¿SABÍAS QUE...? BA AL ZENEKIEN...?

- El aceite que tiras por el fregadero puede hacer funcionar tu autobús. Harraskatik botatzen duzun olioak, zure autobusa marixan jartzeko balio dezake.
- Ese aceite lo puedes llevar a los puntos de recogida que haya en tu ciudad. Olio hori, zure hirian dauden jasotze puntuetara eraman dezakezu.
- Después de limpiar y filtrar el aceite, se lleva a una fábrica de Biodiesel. Olio garbitu eta iragazi ondoren, Biodieseleko fabrika batera eramaten da.
- El aceite es transformado en Biodiesel. Olioa Biodieselean bihurtzen da.
- El Biodiesel llega a Dbus en cisternas. Biodiesela zisterna batean iristen da.
- El autobús de tu ciudad funciona con Biodiesel. Zure hiriko autobusa, Biodieselarekin dabil.

¿QUÉ ES EL BIODIESEL Y PARA QUÉ SE UTILIZA?

- Es fácilmente biodegradable, y en caso de derrame y/o accidente, no pone en peligro ni el suelo ni las aguas subterráneas.
- No contiene ni benceno, ni otras sustancias aromáticas cancerígenas.
- No es una mercancía peligrosa.
- Produce durante su combustión menos cantidad de CO₂, que las plantas son capaces de absorber para su crecimiento.
- Con el uso de aceites reciclados, "valorizamos un residuo", evitamos su vertido, salvaguardando la contaminación de las aguas subterráneas, fluviales y marinas.
- Posee un alto poder lubricante y, protege el motor, reduciendo la fricción, el desgaste, ruidos, así como sus gastos de mantenimiento.
- No contiene prácticamente nada de azufre. Evita las emisiones de SOx (lluvia ácida).
- Es el único combustible no contaminante alternativo a los motores de gasóleo convencional.
- Genera riqueza socio económica en su zona de producción, tanto en el ámbito rural como en el industrial.
- Mejora la combustión, reduciendo claramente las emisiones de hollín.
- Reduce la dependencia energética exterior.

ZER DA BIODIESELA ETA ZERTARAKO ERABILTZEN DA?

- Biodegradagarria da, eta isuri edo istripuren bat ematen bada ez ditu arriskuan jartzen lurzorua eta lur azpiko urak.
- Ez du bentzenorik, eta ezta minbizia eragin dezakeen sustantzi aromatikorik ere.
- Ez da merkantzia arriskutsua.
- Erretzerakoan CO₂ kantitate gutxiago botatzen du, landareek euren hazkuntzarako behar duten adina baino ez.
- Berrerabilitako olioen erabilerarekin "hondakin bat baliotzatzen dugu", bere isurketa sahesten dugu, lur azpiko ura, ibaietako eta itsasoko kutsadura babestuz.
- Lubrikagarri bikaina da, motorra babesten du, marruskadurak, higadurak, zaratak eta mantentze gastuak murriztuz.
- La ez du bat ere sufrenik. SOx-ko (euri azidoa) emisioak ekiditen ditu.
- Diesel motorretan erabiltzeko alternatiba garbi bakarra da.
- Ekoiaren eremuan aberastasun sozio-ekonomikoa sortzen du, bai nekazar eremuetan eta baita industrialdeetan ere.
- Konbustioa hobetzen du, kedar isurketak nabarmen gutxituz.
- Kanpo-energiarenganako mendekotasuna murrizten du.

Fig. 4 Leaflet to promote oil recycling

Fig. 5 Letter to promote biodiesel among the municipal fleet



Donostia San Sebastián 19/01/2009

Estimados compañeros:

La preocupación por el cambio climático y las emisiones de CO2 son un tema de actualidad que alcanzan cualquier actividad en nuestra sociedad; industria, agricultura, construcción, hostelería...y también el transporte. Sólo el transporte en España es responsable del 30% de las emisiones anuales de CO2.

Como sabéis, el Ayuntamiento de Donostia San Sebastián es pionero en Europa en la promoción y la implementación de modos de movilidad sostenible en la ciudad. En este sentido, el ayuntamiento asume su responsabilidad y desde hace años viene aplicando medidas que minimizan el impacto de actividad vehículos motores sobre el medio ambiente. Entre otras destaca la utilización de biodiesel procedente de aceites reciclados en sus autobuses.

En este sentido es importante que la flota de vehículos municipales también participe de este esfuerzo y aplique dicha medida. La empresa suministradora del combustible a los vehículos municipales, posee surtidor de biodiesel en su estación de Anoeta. Por ello os instamos a que consumáis dicho combustible en los vehículos que utilicéis en vuestra labor profesional diaria, ya con ello contribuiremos no sólo a la sostenibilidad local en nuestra ciudad sino también a nivel global.

Muchas gracias

Gerardo Lertxundi

Director Departamento de Movilidad

4.5 Future Plans

Once the campaign has finished, promotion of use of biofuels will continue in the city of Donostia San Sebastián. The technicians of the Dbus company will follow with their studies about use of this kind of fuel. The Dbus company are committed with this goal and they continue making tests in order to increase the use of biodiesel. On the other hand, it is planned that for next 2011, the hybrid technology will arrive to the Dbus company.

Awareness about the importance of recycling domestic cooking oil must continue among citizens in order to reduce the quantity of used oil thrown away and to improve the quantity of recycled oil. The Municipality and the Community are the two public administrations in charge of this aspect. The points to collect the oil follow their calendar and this kind of recycling is becoming more popular and assumed by the population.

It was disappointing that on the day campaign took place, the weather was awful. It was really miserable weather and probably contributed to having fewer people attend than if the weather was warm. This meant that our visibility was reduced. We are considering promoting ourselves at the European Mobility Week, 16th -22nd September 2010 where we will have another opportunity to present ourselves and promote use of biofuels. It is just an idea. It has to be decided.

Dbus emprende una campaña de promoción del biodiésel y del reciclado de aceite en San Sebastián - Diario online del Transporte de Viajeros por Carretera - NEXOBUS.com - Mozilla Firefox

Dbus emprende una campaña de pro...



Diario online del Transporte de Viajeros por Carretera
Jueves 15 de Julio 2010 / Número 1053

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Actualidad

Dbus emprende una campaña de promoción del biodiésel y del reciclado de aceite en San Sebastián

La capital guipuzcoana participa en el proyecto Civitas-Archimedes, junto con otras cinco ciudades europeas

Miércoles, 26/05/2010

► IMPRIMIR ► ENVIAR A UN AMIGO

NEXOBUS.com / Sólo el transporte es responsable del 30% de las emisiones de CO2 en Europa. Dbus, la empresa de autobuses urbanos de San Sebastián, viene aplicando desde hace años medidas que minimizan el impacto de su actividad sobre el medio ambiente. Entre ellas, la utilización de biodiésel en sus vehículos.

La utilización de biodiésel en los autobuses urbanos de San Sebastián es el resultado de un proceso de estudio y valoración de todas las alternativas existentes en el mercado en cuanto a combustibles y medios de propulsión. Mediante la aplicación de biodiésel procedente de aceites reciclados y la renovación de la flota con autobuses menos contaminantes, más silenciosos y atractivos, Dbus ha dado un gran paso en la reducción de emisiones.

A esto también hay que añadir la próxima incorporación en 2011 del primer autobús híbrido de fabricación en serie que servirá para valorar y adquirir experiencia en esta nueva tecnología.

Dbus viene experimentando con el biodiésel desde 2005 pero fue en noviembre de 2008, con el impulso del proyecto Civitas, cuando se comenzó un ambicioso plan de progresión en la aplicación de este combustible. Durante estos cuatro años, el



Mapa de las ciudades europeas involucradas en el proyecto Civitas.

NEXOTUR **AGENCIAS**

Acceso al Diario online

Los turoperadores españoles destacan el 'buen ritmo' de la venta de viajes para acudir al Mundial de Sudáfrica

Antonio Caballos: 'La desaparición de empresas es una catástrofe a la que van unidos dramas empresariales y personales'

Ocho de cada diez españoles viajarán este verano, aunque reducirán su presupuesto, según un estudio de Easyviajar.com

La Comunidad de Madrid impone una multa de 3.000 euros a Viajes Marsans por publicidad engañosa

El 10% de los turistas llegados a España han realizado actividades relacionadas con el Turismo gastronómico

Islandia intenta animar a los europeos a visitar el país tras el cese de la erupción del volcán Eyjafjalla

NexoHotel **HOTELERIA**

Acceso al Diario online

Los hosteleros insisten en que la subida del IVA turístico del 7% al 8% será 'fatal' para las empresas

Worldhotels registra un 30% más de pernотaciones en el primer cuatrimestre del año en comparación con los datos de 2009

Las pernотaciones aumentan un 1% en abril mientras los precios siguen cayendo por decimoséptimo mes consecutivo

Insignia incorpora ocho nuevos hoteles a su cartera después de llegar a un acuerdo con Civitas

Terminado

Inicio | RE: Eol for forum confer... | MDF 4 | Microsoft Word - Copia d... | Dbus emprende una c... | 16:31

Donostia promueve el reciclaje del aceite usado en las cocinas para reutilizarlo como combustible alternativo. [diarivvasco.com](#) - Noticias Financ.

Donostia promueve el reciclaje del a...

diarivvasco.com 15 años de arte

15 de mayo 2010

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Irás en: [diarivvasco.com](#) | Néstor Claudio - **Donostia promueve el reciclaje del aceite usado en las cocinas para reutilizarlo como combustible alternativo**

medipia.com | **HOTELES** | Sol | Costa Brava | Calella | Salou | Benidorm | Costa del Sol | Costa Brava | Calella | Salou | Benidorm

SAN SEBASTIÁN

Donostia promueve el reciclaje del aceite usado en las cocinas para reutilizarlo como combustible alternativo

Los participantes que aporten aceite utilizado podrán entrar en el sorteo de dos cenas para dos personas cada una, en el restaurante Mugantz del prestigioso restaurador Andoni Luis Aduriz

13.05.10 - 10:00 - SAN SEBASTIÁN (EUSKAL PRES)

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La compañía de autobuses urbanos de San Sebastián, Donostibus, junto con el Ayuntamiento de la ciudad, promoverá el reciclaje del aceite usado en las cocinas de los hogares para que sea reutilizado como combustible alternativo mediante el sorteo de dos cenas en el restaurante Mugantz de Emberria, considerada uno de los mejores del mundo.

En un comunicado, el consistorio donostiarra anunció que desarrollará una campaña para difundir los beneficios del biodiésel procedente de aceites reciclados como combustible. Esta iniciativa se llevará a cabo el próximo sábado, en la explanada de Andoni Eder, situada frente a la casa consistorial, donde los ciudadanos podrán entregar el aceite usado "en cualquier envase y cualquier cantidad", a partir de las 10:00 y hasta las 14:00 horas.

Los participantes que aporten aceite utilizado podrán entrar en el sorteo de dos cenas para dos personas cada una, en el restaurante Mugantz del prestigioso restaurador Andoni Luis Aduriz. Además, se instalará en este punto una carpa informativa en la que los asistentes podrán conocer las características de uno de los nuevos "autobuses ecológicos" de la compañía municipal.

RESUMIDO

[En verano descansas 91, no tres ahorros cuenta AZUL 1,50 TAE hasta el 4 de enero de 2011](#)
[Club Angyeta.com descubre las mejores VIRUS + regalo](#)
[Cuenta NABANJA de IRU DIRECT 1,2% TAE y después sigue usando todas las monedas. Sin comisiones, ni gastos.](#)

TAGS RELACIONADOS

donostia, promueve, reciclaje, aceite, usado, cocinas, para, reutilizarlo, como, combustible, alternativo

NOTICIAS RELACIONADAS

- El biodiésel en los autobuses de Donostia reducirá 8,5 toneladas de CO₂ en 4 años

MOTOCACION

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Los autobuses de Donostia utilizan un 30% de biodiésel procedente de aceite reciclado

EN DONOSTIA SE RECOGEN 2,5 LITROS POR HABITANTE Y AÑO

El Ayuntamiento no prevé la colocación de contenedores, que al funcionar en otras localidades de Gipuzkoa

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DONOSTIA. Los autobuses de la compañía municipal Donostibus utilizan en la actualidad un 30% de biodiésel procedente de aceite de cocina, un índice que la empresa pretende incrementar hasta el 50% en el año 2012.

Añí lo amañan aya los responsables de la sociedad de transporte público, que tienen a conocer que el uso de este combustible más ecológico, que se fabrica con el aceite usado de hogares y restaurantes, ha supuesto una reducción de 8,5 toneladas de CO₂ a la semana en los últimos cuatro años.

El gerente de la empresa Donostibus, Gerardo Leburudi, manifestó que, en la actualidad, la compañía recibe el biodiésel procedente del reciclaje elaborado por la empresa Ecogris y lo mezcla con el gasóleo habitual de los autobuses en la proporción más adecuada para cada vehículo. En algunos de ellos, se emplea al 50%, según destacó Leburudi, que agregó que las pruebas que se llevan a cabo en la empresa de transporte sirven como modelo a las otras cinco ciudades vascas, en las que también funciona el servicio. Cabe resaltar que...

Más sobre Donostia

- Adaptación de Buzón Ayuntamiento a las nuevas normas de accesibilidad
- El Buzón de Opiniones sobre la limpieza de los coches municipales
- Concejal de IMV y HT alega que no debería ser el mandato del Consejo de los Aytores por la igualdad
- El Ayuntamiento de Donostia prevé abrir la calle Mugantz
- Las fiestas, sobre la "trava"

10 - 11000 | [Ver más](#) | [Compartir](#)

1. "Donostia" tendrá un nuevo nombre por el "acuerdo de la RIA"
2. El PP celebra el inicio de la "Rosa" en el "Mundo de la Agricultura"
3. Buzón de Opiniones, COMARCA
4. La banda de "Salsicetas" Capdeponde elige el "proceso" con el "Cofrades"
5. De "papas" y "buzones"
6. Donostia, "trava" se al "empleo" de "Rosa"
7. El "Cofrades" de "Rosa" por el "Buzón"
8. "Anima" de "España" en "Buzón"
9. La "Rosa" supera los 23.000 euros
10. "Hoy" de "Rosa" la "trava" de "Rosa" en "Buzón"

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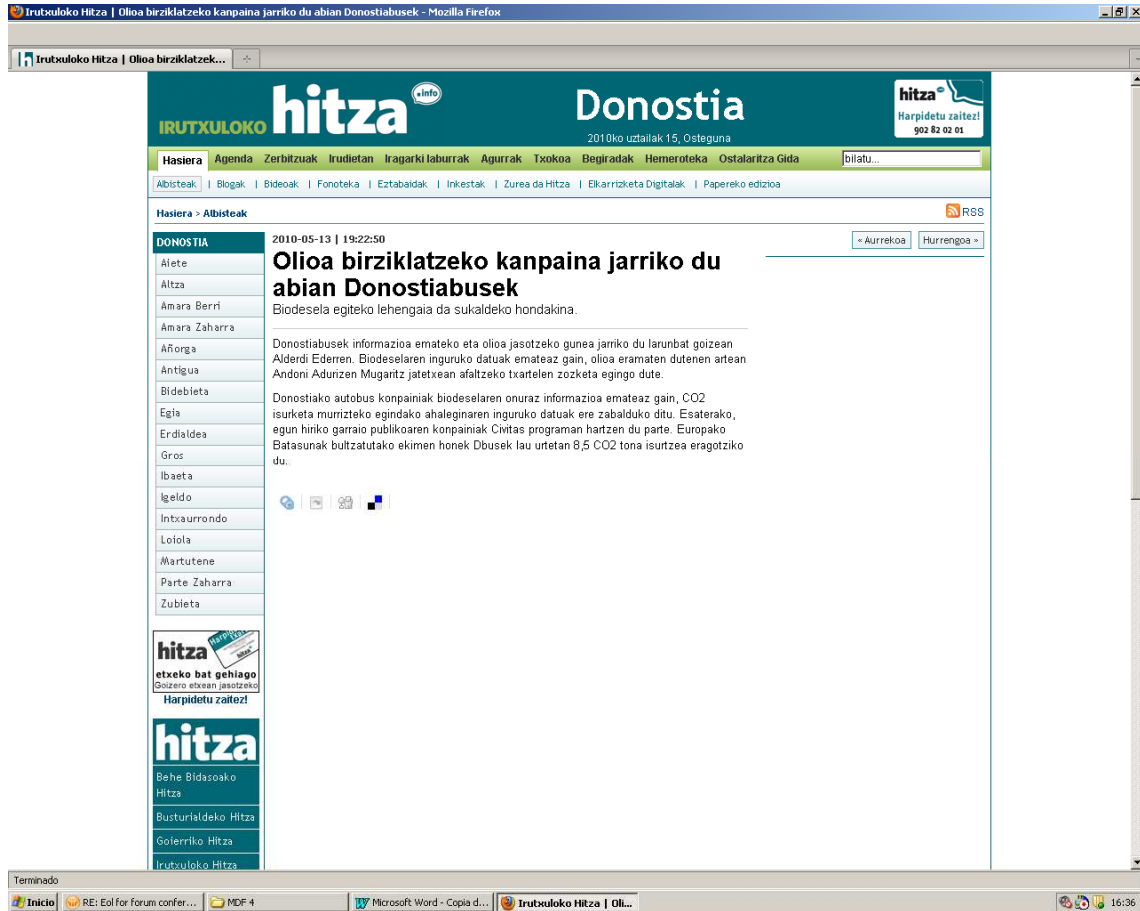


Fig. 6 Different press articles