Project: BiG>East

(EIE/07/214)

Report on the 2st Mobilisation Campaign in Croatia

Contribution to Deliverable D-7.2



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Energy Institute Hrvoje Pozar
Savska 163
Zagreb
CROATIA

26 March 2009

With the support of:



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Introduction

The 2st mobilisation campaign (WP7) took place in Vukovarsko-srijemska county hall in Vukovar, Croatia on 26th March 2009. The main event was taking part between 15.00 and 19.00 which was followed by afternoon introduction in the FP6 event RES BOAT (www.resboat.org). 38 Croatian and about 19 (registered) participants attended the afternoon event. The idea of the 2st mobilisation campaign was to combine the event with another EU funded project and promote BiG>East project beyond the scope of the mobilisation campaign itself.

The 2st mobilisation campaign

To the difference of the 1st mobilisation campaign that gathered biogas plant manufacturers, planners and consultants in Zagreb to give technical presentations about biogas installations and IEE BiG>East activities, this campaign will focused on legal aspects of establishing a biogas plant with exchange of experiences between biogas plant developers, findings from the BiG>East projects and introduction in procedure of gaining the status of RES-E eligible producer. We were hoping for a fruitful discussion that would deliver insight in practical experience of installing biogas plants.

Biogas is directly mentioned in more than 20 legal documents that fall under responsibility of at least four Ministries. New Law on Biofuels is another legal document that recognises biogas so it will be introduced as another option for development of biogas market.

Due to the high interest in the event and changes in biogas market development, agenda was changing to provide more space for topic that are of highest interest: Guidelines for gaining the RES-E eligible producer status (Dr.sc. M. Bozicevic-Vrhovcak) and experiences of the first biogas plant operating in Croatia (PZ Osatina, Mr. M.Ervacic).

Based on the basic material for the mobilisation campaign, the event started with presentation of the BiG>East project, achievements and findings. Participants had the opportunity to receive information about the quality and results of BiG>East and documents (both in English and Croatian) that are uploaded on the official web site. Training courses were announced together with study trips and publication of Biogas handbook in Croatian in very near future.



Figure 1 First session experts: Mr. Cunj (OIE.Semeljci), Mr. Bosancic (VSZ), Mrs. Kulisic (EIHP), Mrs. Bozicevic-Vrhovcak (DOOR) and Mr. Kralik (Faculty of Agronomy, University of Osijek)

Biljana Kulisic (EIHP) opened the event which was followed by welcome speech of Mr. A. Žagar, Deputy of the Head of the County. After the BiG>East project presentation of Mrs. Kulisic, Mr. Bosanicic from Vukovarsko-srijemska County, Department for Capital Investments, has introduced State of the Art of Croatian Biogas Sector that was more or less in the line of the BiG East findings.

Mr. Cunj (business partner from Agrinz GmbH) in Croatia made a SWOT analysis of differences between Austrian and Croatian market background to develop a biogas project while prof.dr.sc. Kralik from Faculty of Agronomy in Osijek, University of Osijek, has emphasised importance of biogas production as a method of animal manure management and meeting the guidelines of Nitrate directive. In the first part, the most of the attention draw the presentation of dr.sc. Maja Božičević-Vrhovčak (NGO DOOR) of detailed, step-by-step explanation of procedure of reaching the eligible producer status.

After the break, dr.sc. Hrastnik opened the second session with an interesting presentation of a 200 kW biogas plant project in Babina Greda in Vukovarsko-srijemska County. Mr. Stih, from Croatian Chamber of Economy and Secretary of Association of RES, gave insight of the position of biogas in the Law of Biofuels that should be adopted by the mid-2009. At the end, Vukovarsko – srijemska County was proud to present the most developed biogas project in Croatia: PZ Osatina, Ivankovo farm. The 1 MW biogas plant is functioning about 1.5 month and, on the administrative side, Ivankovo has a Preliminary status of eligible producer and Location permit to build the plant. Mr. Ervacic shared his experience in implementing the project and emphasised two key supports: Renewable Energy Resources and Energy Efficiency Division Energy Department, Ministry of Economy, Labour and Entrepreneurship and mr. Galic, the Head of the County.



Figure 2 Opening of the 2nd Mobilisation Campaign – Croatian participants



Figure 3 Joining the foreign participants to the campaign

Agenda of the 2st Mobilization Campaign in Croatia, together with the invitation and registration form is enclosed in Annex 1 of this report. Presentations are available on BiG>East project web-site: www.big-east.eu and http://www.eihp.hr/hrvatski/projekti/big_e.htm

Discussion

Despite the long day that has begun on the RES BOAT, participants were more than keen for discussion. Mrs. Kulisic moderated the discussion and Mrs. Kojakovic was taking minutes. As the conclusion of this event, a new interest group will be established within the Association of RES at Croatian Chamber of Economy – a Biogas group. The first document of this newly established group will be actually the conclusions from the BiG>East event. Mr. Ervacic has invited all participants to hold an "establishment" meeting at his farm, next to the biogas plant in Ivankovo.

Participants

The invitation to the 2st Mobilization Campaign was published on the official websites of BiG>East and EIHP while Protocol office from Vukovarsko-srijemska County gave the news to the Croatian News Agency (HINA) while NGO DOOR provided information via its mailing list. Although the campaign was targeting Croatian stakeholders (especially those from the breadbasket area-Slavonia) and it was originally planned to have it in Croatian only, the organiser of RES BOAT kindly asked to provide translation since foreign participants would like to participate too. Special interest and support came from CRES representatives. At the end, about 40 Croatian participants and 20 international participants (Austria, Bosnia and Herzegovina, Greece, Serbia, Slovakia and Turkey) and UNEP came to the event.

Full list of participants is enclosed in Annex 2 of this report.

Press releases

The Mobilisation Campaign was promoted via several media. A press release on upcoming mobilization campaign was published on National News Agency (HINA) webpage, RES BOAT, BiG East, EIHP and Croatian Chamber of Economy official sites and further distributed through different agricultural and building Internet portals (please see the list and screenshots included in Annex 3 of this report) together with newspapers.

Croatian national TV (HRT) has made interview with the organisers from EIHP and the County which was broadcasted as news the same day in the evening. TV Vojvodina from Serbia and local TV, VKTV, made the interviews too.

Croatian TV will include the event into its weekly show EUROMAGAZINE, internationally appreciated show that covers EU related issues other than politics.

Stakeholder feedback

Many stakeholders appreciated organization and the output of the 2st Mobilization Campaign in Vukovar and those who registered for the Campaign but did not attend it apologised, registered for the BiG>East mailing list and asked for possibility to have copies of presentation materials. Different interested people contacted EIHP asking to provide them information on upcoming BiG>East events.

Further feedback could be followed at the web site of Croatian Chamber of Economy and EIHP.

Annex I. Invitation with Agenda



2. promotivna kampanja u Hrvatskoj/2nd Mobilisation Campaign in Croatia

'Bioplin kao biogorivo' / 'Biogas as Biofuel'

26. ožujka 2009. Vukovarsko-srijemska vijećnica/County Hall 15:00 – 18:00 Vukovar, Croatia

Cilj/Objective

Cilj ove promotivne kampanje je informirati javnost o mogućnostima proizvodnje i korištenja bioplina u Hrvatskoj. / The objective of this Stakeholder Mobilisation Campaign is to inform interested stakeholders about opportunities to produce and use biogas in Croatia.

Vukovarsko-srijemska županija, tradicionalno poznata kao hrvatska žitnica, privlači pažnju brojnih i različitih projekata iskorištavanja energije biomase. Cilj ove Kampanje je predstaviti Županiji, javnim ustanovama i široj javnosti projekte proizvodnje bioplina u pogledu legalnih i administrativnih procedura te očekivanog Zakona o biogorivima. / Vukovarsko-srijemska County, traditionally known as breadbasket of Croatia, has drawn its attention to numerous biomass projects. The aim of this Campaign is to introduce the County, public institutions and interested public in biogas projects in respect to the legal and administrative issues as well as in the light of new Law on Biofuels.

Promotivna kampanja/The Mobilisation Campaign

Kampanja će se održati kao događaj pored FP6 projekta RES BOAT (<u>www.resboat.org</u>) koji će uploviti u vukovarsku luku 26. ožujka 2009. godine. / The campaign will be implemented as a side event of FP6 project RES BOAT (<u>www.resboat.org</u>) on 26 March 2009 in Vukovar, Croatia.

Za razliku od 1. promotivne kampanje koja je u Zagrebu okupila proizvođače opreme za bioplinska postrojenja, planere te konzultante koji su dali tehničke prezentacije o postavkama bioplinskih postrojenja i aktivnostima IEE projekta BiG>East, ova kampanja se fokusira na pravne aspekte pri izgradnji bioplinskog postrojenja. Razmijenit će se iskustva kod izgradnje bioplinskih postrojenja u Hrvatskoj, saznanja iz IEE BiG>East projekta te će se dati pregled procedure stjecanja statusa povlaštenog proizvođača električne energije iz OIEiK. Nadamo se bogatoj diskusiji koja će dati novi uvid u praktično iskustvo razvijanja projekata bioplina. / To the difference of the 1st mobilisation campaign that gathered biogas plant manufacturers, planners and consultants in Zagreb to give technical presentations about biogas installations and IEE BiG>East activities, this campaign will focused on legal aspects of establishing a biogas plant with exchange of experiences between biogas plant developers, findings from the BiG>East projects and introduction in procedure of gaining the status of RES-E eligible producer. We hope for a fruitful discussion that will deliver insight in practical experience of installing biogas plants.

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Bioplin se izravno spominje u više od 20 pravnih dokumenata u odgovornosti barem četiri ministarstva. Novi Zakon o biogorivima je još jedan pravni dokument koji prepoznaje bioplin te će se zato predstaviti kao još jedna mogućnost za razvitak bioplinskog tržišta. I Biogas is directly mentioned in more than 20 legal documents that fall under responsibility of at least four Ministries. New Law on Biofuels is another legal document that recognises biogas so it will be introduced as another option for development of biogas market.

Projekt BiG>East/The BiG>East Project

IEE projekt BiG>East promovira proizvodnju i korištenje bioplina kao sigurnog, održivog i obnovljivog izvora energije u ciljanim zemljama južne i istočne Europe. Promocija se odvija kroz prijenos znanja stručnjaka za bioplin iz zapadne Europe na poljoprivrednike, operatore bioplinskih postrojenja i odgovorne osobe u Bugarskoj, Grčkoj, Hrvatskoj, Latviji, Rumunjskoj i Sloveniji. U tim bi zemljama bioplin mogao biti jedan od glavnih obnovljivih izvora za proizvodnju električne energije te grijanje i hlađenje. I IEE BiG>East promotes the production and use of biogas as a secure and sustainable energy source in several target countries of Southern and Eastern Europe. This is achieved by knowledge transfer from biogas experts of Western Europe to farmers, biogas plant operators and decision makers in Bulgaria, Croatia, Greece, Latvia, Romania, and Slovenia where biogas could be one of the main renewable sources suitable for electricity production and for heating and cooling purposes.

Bioplin se može proizvoditi kako bi se smanjio poljoprivredni otpad, otpadni kanalizacijski mulj i mulj pri pročišćavanju otpadnih voda koji predstavljaju ozbiljan problem u brojnim regijama istočne Europe. Usprkos velikim koristima u pogledu okoliša i ekonomije, proizvodnja i korištenje bioplina još uvijek nije uobičajeno radi nekoliko tržišnih barijera: nedostatak znanja i iskustva kod poljoprivrednika, nedostatak znanja kod odgovornih osoba ili otežani pristup financijskim izvorima. Cilj IEE BiG>East projekta je smanjiti te prepreke. I Biogas can be produced in order to reduce agricultural waste, sewage sludge, and municipal organic waste which is a serious problem in many regions of Eastern Europe. In spite of these strong environmental and economic benefits, the production and use of biogas is not yet a common application due to several market barriers: lack of knowledge and experience of farmers, biogas plant operators and engineering companies, lack of awareness of decision makers, and insufficient access to funding sources. The objective of BiG>East is to reduce these market barriers.

Organizatori/Organizers

Ovu radionicu zajednički organiziraju Energetski institut Hrvoje Požar i Vukovarsko – srijemska županija u okviru projekta BiG>East. / Energy Institute Hrvoje Pozar and Vukovarsko – srijemska County are pleased to organise and host this event within IEE BiG>East framework.

Energy Institute Hrvoje Pozar



Biljana Kulišić Email: bkulisic@eihp.hr

Vukovarsko-srijemska county



Ivan Bosančić e-mail: vsz-ku@vu.t-com.hr

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Raspored/Agenda

14.45 -15.00	registracija/registration
15.00–15.15	Pozdrav dobrodošlice/ Welcome speech Božo Galić, Župan Vukovarsko-srijemske županije/Head of the Vukovarsko- srijemska County
15.15–15.25	Projekt BiG>East / IEE BiG East Project Biljana Kulišić, Energetski institut Hrvoje Požar (EIHP)
15.25–15.40	Pregled stanja tržišta bioplina u Hrvatskoj/State of the Art of Croatian Biogas Market Ivan Bosančić (VSŽ) i Biljana Kulišić (EIHP)
15.40–15.55	Paralelna iskustva Austrije i Hrvatske/Contrast of Austrian and Croatian Biogas Experiences Heinz Prassl (Agrinz GmbH, Austrija) i Bernard Cunj (OIE.Semeljci d.o.o.)
15.55–16.10	Potencijali proizvodnje bioplina u Hrvatskoj/Biogas Potentials in Croatia prof. dr.sc. Davor Kralik, Poljoprivredni fakultet u Osijeku
16.10–16.40	Smjernice za sjecanje povlaštenog proizvođača obnovljive energije/Guidelines for Gaining the RES-E Eligible Producer Status dr.sc. Maja Božičević Vrhovčak, DOOR
16.40–17.00	stanka/break
17.00–17.15	Bioplinsko postrojenje – Družba d.o.o. Babina greda/Biogas Plant – Družba d.o.o. Babina Greda Dr.sc. Branimir Hrastnik i Pavo Barić
17.15–17.30	PZ Osatina – iskustva u razvitku projekta proizvodnje bioplina/Cooperative Osatina – Experiences in Developmet of Biogas Production Project
	Mirko Ervačić, upravitelj PZ Osatina
17.30–17.45	Mjesto bioplina u Zakonu o biogorivima/Status of Biogas in the New Law of Biofuels
	Krešimir Štih, Hrvatska gospodarska komora
17.45–18.00	Diskusija i zaključci/Discussion and conclusions

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"Biogas as Biofuel"

BiG>East Stakeholder Campaign

"Biogas for Biofuels"

organised by EIHP and Vukovarsko - srijemska County

26 March 2009, Vukovar, Croatia

REGISTRACIJA/REGISTRATION FORM

Molimo Vas ispunite i pošaljite obrazac (e-mail ili faks) na: Please complete and return (email/fax) to:

Biljana Kulišić	₽	Tel.: + 385 1 6326 169
Energy Institute Hrvoje Pozar Savska 163	FIHP	Fax: +385 1 6040 599
10000 Zagreb Croatia		email: <u>bkulisic@eihp.hr</u>
(Please type or use block letters)		
Prezime/Family Name		
Prof./Dr./Mr./Ms.		
Ime/First Name		
Poduzeće ili organizacija/Firm o	or Organisation	
Adresa/Address		
Poštanski broj i mjesto/Postal C	ode and City	
Tel		_
Fax		_
eMail		_
		Dobrodošli!
		Welcome!
	72	
This Project is supported by	Intelligent Energy Europe	(Contract No. EIE/07/214)

Annex II. List of Participants



10 Ervačić Mirko 11 Filipan Veljko

12 Foriš Davor 13 Galić Božo

7 Cunj Bernard

Bagarić Ivan

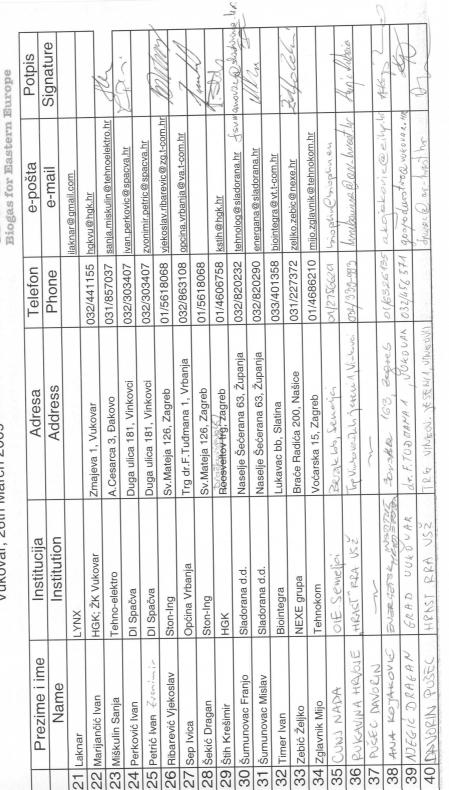
2 Barić Pavo

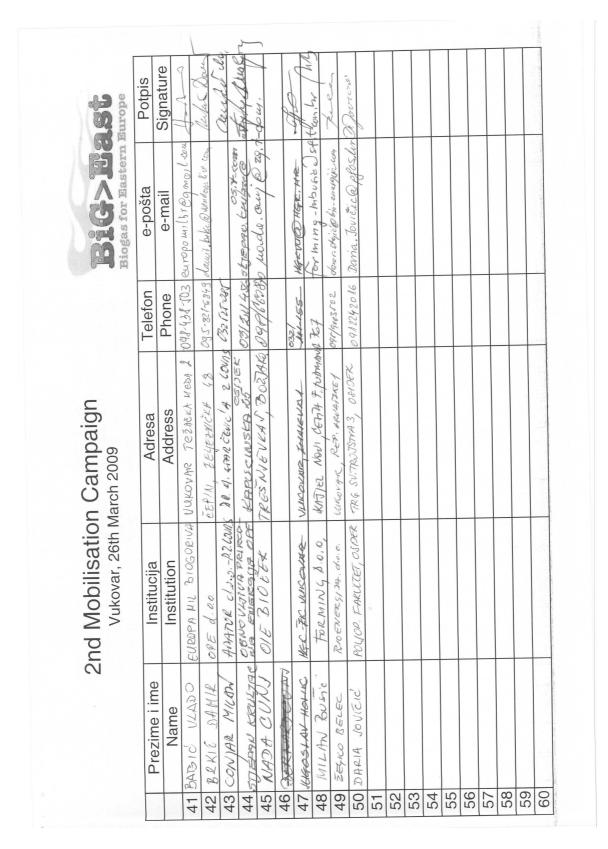
3 Birtić Slaven

19 Kralik Davor

2nd Mobilisation Campaign

Vukovar, 26th March 2009





REGISTRATION RES BOAT side events - 26 March, Vukovar BIG>EAST Stakeholder Campaign

Duration: 15:00 - 18:00

LOCATION: Vukovarsko-srijemska County Hall

Organiser and contact person: EIHP- Energy Institute of Hrovje Pazar,

Ms. Biljana Kulisic

ACTIVITY: Stakeholder Mobilistaion Campaign to inform interested stakeholders about

opportunities to produce and use biogas in Croatia

LANGUAGE: Croatian, however English speaking participants are also welcome

TARGET GROUP: Interested stakeholders of biogas capacities in Croatia

	Name	Organization	Country	Signature
./.	Dr. Alkeda Kalajnxhiu		Albania	
2	Prof. Daniela Pasca	UTCN Technical University of Cluj- Napoca	Romania	
S.	Dr. Rei Fernandes	IDMEC-IST	Portugal	
1-1	Mr. Vladislav Mazac	SFW Ltd.	Czech Republic	^ / /
,	George Pachis	Thermoland co ltd	Cyprus	R. M.
\\\	Mr. Michael Bennett	Eurofuel	Belgium	
7	Mr. Martin Burianek	Municipality of Frydek-Mistek	Czech Republic	
8	Fehmi Akgu	CUBICAK	Turkey	day (
5,	CISTAUD MANEZ	UNEP		
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Al.	MARA VLATRICIC	SAN EKO	SERBIA	Dogshota
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Name	Organization	Country	Signature
Galaios Harreis		GREECE	DAS
MACHT HEINE	ACUT	AUSTRIA	W.
A. KETSETSI		GREGCE	1
DALIA MEJASIEI	DOOR	CROATIA	Davie Hyr
16012 216612	-((-	(-	
HILLANA MASIC	SANELC	SERB.A	Maplane Sa
Trubic Zorine	HTT1	SERBA	
LENY PRINCE	S.E.	846414	Dui jora
KILL \$ 8720.7X	<i>\$:€#</i>	1201 PR14	Malis 92,70
7.0742130 7031411	u TEC	7. OSNIA OND HERZEG	Parelle Jan-
Tsobdruplay	Vol Agem	Croce	
Igor Myran	1 / 1 / 1	SERBIA	Mujay
GOR JEZDIMINUTE	EE6	SEhnin	January 1
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Annex III. Dissemination & Feedback



Figure 4 Official web site of Vukovarsko-srijemska County



Figure 5 Leaflet from RES BOAT, disseminating IEE BiG>East project and 2nd Mobilisation campaign

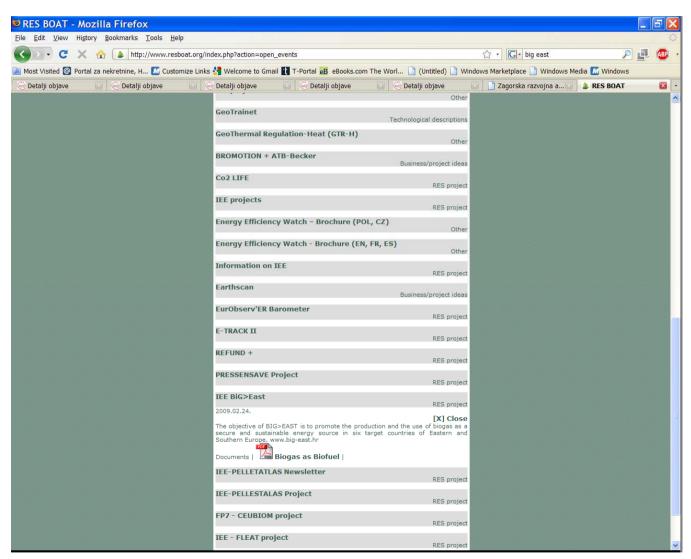


Figure 6 Promotion of IEE BiG>East at the RES BOAT official site

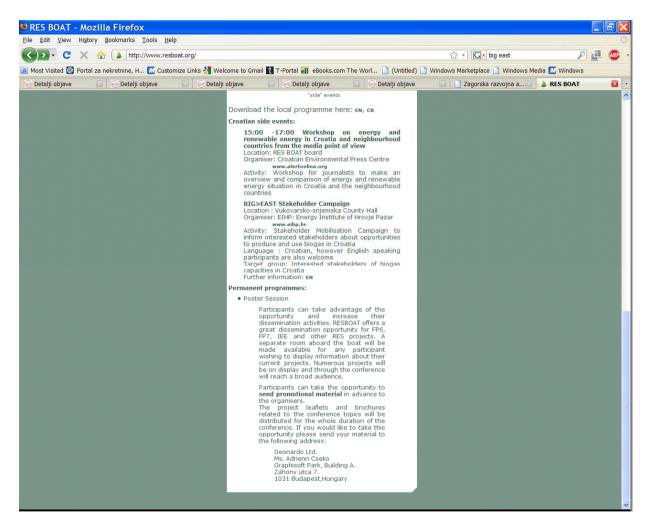


Figure 7 Promotion of IEE BiG>East as Side event at the RES BOAT official site

Naslov: Inteligentna energija je bioplin

Država, izvor, izdanje: Hrvatska, Večernji list, Slavonija

Datum, stranica: 28.03.2009, 5

Površina: 19



Inteligentna energija je bioplin

VUKOVAR - Energetski institut Hrvoje Požar i Vukovarsko-srijemska županija organizirali se 2. promidžbenu kampanju Bioplin kao biogorivo, u sklopu projekta "Inteligentna energija Europa". Projekt se sastoji od pet tematskih programa. Provodit će se tijekom krstarenja Dunavom, kojim se povezuju europske zemlje. Svrha je kampanje Bioplin kao biogorivo poticanje na uporabu energije iz obnovljivih izvora energije. (bb)

Figure 8 National newspapers: Večernji list