

SCRIPT : "FUELLING THE FUTURE – PROMOTING BIOMASS HEATING IN THE EUROPEAN UNION"

TC IN	TC OUT	Numéro DG COMM : Language version : Short version : I-056092, Long version : I-056098, B-roll: I-056093
00:00:00	00:01:30	Colour bars/ 1000 Hz
00:01:30	00:02:00	Black
00:02:00	00:05:27	Short English version: "Fuelling the future - Promoting Biomass Heating in the European Union"
00:05:45	00:13:59	Long English version: "Fuelling the future - Promoting Biomass Heating in the European Union"
00:14:05	00:17:32	Short international version
00:17:50	00:26:04	Long international version
00:26:10	00:56:30	B-roll
DURATION REPORT	Short version: 03'27" – Long version: 08'14" – B-roll: 27'20"	

INTERVIEWEES		
NAME	TITLE	LANGUAGE
Arūnas Bruzgulis	Bionovus	Lithuanian
Rimantas Germanaus	Vilniaus Energija	Lithuanian
Laurynas Gerikas	Vilnius resident	Lithuanian
Jean-Paul Galland	GF Services	French
Jimmy Pennequin	Biomasse Normandie	French
Stane Košir	Farmer	Slovenian
Nike Krajnc	Slovenian Forestry Institute	Slovenian
Ivan Hribar	Manager Terme Snovik	Slovenian

ENGLISH SCRIPT SHORT VERSION: English voice-over + subtitles		
TC LANG	TC VI	
00:02:00	00:14:05	Voiceover : Workers in Lithuanian forest These men are making <i>biomass</i> from twigs and branches that would previously have been discarded by the forestry industry. But today, this one-time waste will be used to provide heat and hot water for homes in the Lithuanian capital Vilnius.
00:02 :15	00 :14 :20	Voice over : Forest workers The company that produces the Lithuanian biomass recently took part in a project backed by the European Union's Intelligent Energy Europe Programme. The scheme, called Five Eures, brought together biomass producers and users from across the EU.
00 :02 :29	00 :14 :34	Arūnas Bruzgulis, BioNovus (Lithuanian) <i>Three years ago the Bionovus company decided to join the project. At that time our company was doing a different type of work. It was just creating its system of biomass supply. Together with the five EU member states, our project partners, we have been participating in the project for three years. We have been able to benefit from the best practices used in EU countries like Finland and Germany.</i>
00:03:06	00:15:11	Graphic Biomass Voice over Biomass is carbon neutral. When it's burned, it only releases back into the atmosphere carbon dioxide that was removed when the plants it is made from were growing.
00:03:25	00:15:30	Graphic Heating Voice over Using modern biomass heating systems could make a <i>serious</i> contribution to the EU's efforts to reduce its greenhouse gas emissions. Heating in the EU today uses

00:03:33	00:15:38	almost as much energy as the transport and electricity sectors put together. Voice over: Trucks arriving at power station and unloading. Biomass into boiler. When the biomass from the forest arrives at this energy plant, it is channeled into this huge boiler, where it is burned to provide heat and hot water for Vilnius' residents.
00:03:44	00:15:49	Graphic: Map Lithuania to France. Voiceover: Sequence Biocompact. Pellets. The Intelligent Energy Europe Programme is also trying to encourage individuals to use biomass heating. The <i>biohousing</i> project promotes modern biomass technologies, like this <i>Energy cabin</i> , which contains a boiler and a storage area for fuel - either wood chips or pellets - and which can be easily connected to a household heating system. Jean-Paul Galland sells energy cabins.
00:04:08	00:16:13	Jean-Paul Galland. GF Services (French) <i>If a family has two or three children and not much space, they could, instead of using part of the cellar as a storage area for wood chips, keep it all somewhere outside. And if the supply is outside, why not put the boiler next to it? Then you'd gain extra space.</i>
00:04:32	00:16:37	Graphic: Map France to Slovenia. Voice over: Making biomass sequence Biomass also offers an opportunity to develop Europe's rural economies. Thanks to financial help from the national authorities and the European Union, and advice from an Intelligent Energy Europe scheme called Agriforenergy, Slovenian farmer Stane Košir was able to buy this new equipment and begin transforming low quality wood grown on his land into valuable biomass.
00:04:55	00:17:00	Stane Košir, Farmer (Slovenian) <i>This is the only way for farmers to have opportunities for a new income in the future. Cattle breeding wasn't enough, so we needed extra work. My wife lost her job in Ljubljana a few years ago, so now we both work here on the farm.</i>
00:05:17	00:17:22	Voice over: trees, flames. Biomass is no magical solution to the EU's energy problems. But used wisely it could seriously help the Union to turn up the heat on climate change.
00:05:27	00:17:32	ENDS

ENGLISH SCRIPT LONG VERSION: English voice-over + subtitles

TC LANG	TC VI	
00:05:45	00:17:50	Voiceover: Workers in Lithuanian forest In the depths of this Lithuanian forest, these men are turning one of the oldest sources of energy known to us - wood - into a fuel for the future. They are making <i>biomass</i> from twigs and branches that would previously have been discarded when timber workers removed more valuable logs from the forest. Today however this one-time waste will be put to good use. It will be used to provide heat and hot water for homes in the Lithuanian capital Vilnius.
00:06:17	00:18:22	Voice over : Forest workers The company that produces the Lithuanian biomass - <i>Bionovus</i> - recently took part in a project backed by the European Union's Intelligent Energy Europe Programme. The scheme, called Five Eures, brought together biomass producers and users from across the EU and in <i>Bionovus</i> ' case it had some impressive results.
00:06:38	00:18:43	Arūnas Bruzgulis, BioNovus (Lithuanian) <i>Three years ago the Bionovus company decided to join the project. At that time our company was doing a different type of work. It was just creating its system of biomass supply. Together with the five EU member states, our project partners, we have been participating in the project for three years. We have been able to benefit from the best practices used in EU countries like Finland and Germany.</i>
00:07:15	00:19:20	Graphic Biomass Voice over: Biomass is an environmentally friendly fuel because it is carbon neutral. When it's

00:07:35	00:19:40	<p>burned, it only releases back into the atmosphere carbon dioxide that was removed when the plants it is made from were growing. In other words it has no overall effect on carbon dioxide emissions, a major cause of climate change.</p> <p>Graphic Heating</p> <p>Voiceover: And using modern biomass heating systems could make a <i>serious</i> contribution to the EU's efforts to reduce its greenhouse gas emissions. Heating in the EU today uses almost as much energy as the transport and electricity sectors put together.</p>
00:07:50	00:19:55	<p>Voiceover: trees Because it can be made from trees and other plants grown within the European Union, biomass can also help the EU reduce its dependence on imported energy supplies.</p>
00:08:01	00:20:06	<p>Voiceover: trucks arriving at power station and unloading. Biomass into boiler Once the biomass produced in the Lithuanian forest arrives at this energy plant on the outskirts of the capital Vilnius, it is channelled into a huge boiler. Here, it is burned to provide heat for city residents via Vilnius' municipal heating system. The plant is owned by the city authorities but operated by an independent company, which says it decided to use biomass as a fuel for some very hard-nosed business reasons.</p>
00:08:30	00:20:35	<p>Rimantas Germanaus, Vilniaus Energija (Lithuanian) <i>Everybody talks about strategies and practices, environmental protection, global warming and green power. However, when the decisions about investments are made, the determining factor is payback. So our decision is conditioned by the favourable financial aspect, since it's profitable to use biomass in our boilers.</i></p>
00:08:55	00:21:00	<p>Voice over: boiler At present just one of the plant's four boilers uses biomass, but the site's operators say there is the potential to increase significantly the amount of the renewable fuel burned here.</p> <p>Sequence in apartment. And residents who benefit from hot water and heating provided by the municipal plant say the advantages of biomass heating are numerous</p>
00:09:14	00:21:19	<p>Laurynas Gerikas. Vilnius resident <i>I'd probably like to tell all the municipalities that, to my mind, the more clean and ecological fuel will be used, the better it will be for everyone. Cleaner air to breathe, less strain on the finances.</i></p>
00:09:31	00:21:36	<p>Graphic: Map Lithuania to France</p> <p>Voice over: Sequence Biocompact. Pellets. Biomass is not only useful for heating whole cities or districts. It can also be used in individual houses. <i>Energy cabins</i> like this one are a new development that it is hoped will encourage more people to use biomass to heat their homes. The cabin contains a biomass boiler and a storage area for fuel. This generally takes the form of wood chips like the ones being used here, or specially made wood pellets, like these ones. The cabin is completely mobile and can be placed near to a house and simply connected to the heating system, avoiding the need for expensive building work.</p>
00:10:10	00:22:15	<p>Jean-Paul Galland, who runs a small business that specialises in wood-based heating systems in central France, has just started selling energy cabins. He believes they are a product with a future.</p>
00:10:23	00:22:28	<p>ITW. Jean-Paul Galland. GF Services (French) <i>If a family has two or three children and not much space, they could, instead of using part of the cellar as a storage area for wood chips, keep it all somewhere outside. And if the supply is outside, why not put the boiler next to it? Then you'd gain extra space.</i></p>
00:10:47	00:22:52	<p>Voiceover: Boiler sequence. Hot water and radiator in house. Jimmy Pennequin establishing shots. Encouraging individuals to switch to biomass heating at home, using systems like energy cabins, is the aim of another project funded by the Intelligent Energy Europe Programme called Biohousing. Jimmy Pennequin, who works for an</p>

		organisation called Biomasse Normandie, based in the northern city of Caen, is the project's co-ordinator in France.
00:11:09	00:23:14	Jimmy Pennequin. Biomasse Normandie (French) <i>Today in France wood as an energy source has a rather old image and people aren't always aware of the new technologies that are available and that are being developed. With the rise in oil prices the advantages are obvious, since we're at nearly 100 dollars a barrel.</i>
00:11:31	00:23:36	Graphic: Map France to Slovenia. Voiceover: Making biomass sequence. Biomass also offers an opportunity to develop and diversify Europe's rural economies. Stane Košir runs a family farm in the hills around 20 kilometres from the Slovenian capital Ljubljana. Thanks to financial help from the national authorities and the European Union, he was able to buy this state-of-the art equipment for transforming low quality wood grown on his land into valuable biomass.
00:11:57	00:24:02	Stane Košir, Farmer (Slovenian) <i>This is the only way for farmers to have opportunities for a new income in the future. Cattle breeding wasn't enough, so we needed extra work. My wife lost her job in Ljubljana a few years ago, so now we both work here on the farm.</i>
00:12:19	00:24:24	Voice over: Košir working. Nikje Kranjc establishing shots. And here again the Intelligent Energy Europe Programme is playing a role. The Agriforenergy project helps farmers and rural forestry workers learn about the economic potential of producing biomass. Nike Krajnc of the Slovenian Forestry Institute, is the scheme's coordinator in Slovenia.
00:12:38	00:24:43	Nike Krajnc. Slovenian Forestry Institute (Slovenian) <i>For farmers like Košir, biomass is the only means to survive. It allows the farm to stay as it is, so that the children can stay on it and the farm itself can be preserved in the long term. In such cases, biomass can represent over 50 percent of a farm's income. Moreover that's a new income, which is important for the future.</i>
00:13:07	00:25:12	Voice over: sequence arriving at spa loading biomass; Swimming pool sequence. One of the biggest customers for Mr. Košir's biomass is this local spa resort, which uses the fuel to heat its luxury swimming pools.
00:13:16	00:25:21	Ivan Hribar. Manager Terme Snovik (Slovenian) <i>The decision to heat the pools and the apartments with biomass was already made from the outset. We want a spa that is environmentally friendly and uses energy as sparingly as possible. To achieve that, we installed a biomass burner.</i>
00:13:38	00:25:43	Voiceover: tree, flames. Like all renewable energy sources, biomass alone does not represent a single, magical solution to the EU's energy problems. But used wisely as part of a co-ordinated policy to help reduce energy use and favour renewables wherever possible, it could seriously help the Union to turn up the heat on climate change.
00:13:59	00:26:04	ENDS.

B-ROLL		
TC IN	DESCRIPTION	CONTENT
00:26:10	Interview	Interview Jean-Paul Galland, <i>GF Services</i> (in French)
00:26:32	Interview	Interview Jimmy Pennequin. <i>Biomasse Normandie</i> (in French)
00:26:52	Interview	Interview Stane Košir, Farmer (in Slovenian)
00:27:13	Interview	Interview Nike Krajnc. Slovenian Forestry Institute (in Slovenian)
00:27:41	Interview	Interview Ivan Hribar. Manager Terme Snovik (in Slovenian)
00:28:02	Cutaways	Workers in Lithuanian forest
00:28:49	Cutaways	Establishing shots Arūnas Bruzgulis (Bionovus)
00:29:56	Cutaways	Workers in the Lithuanian forest.
00:31:59	Cutaways	Travelling in the Highway on the way to <i>Vilniaus Energija</i> company

00:32:35	Cutaways	<i>Vilniaus Energija</i> company's facade
00:33:01	Cutaways	Track driving and loading biomass
00:33:41	Cutaways	Biomass transport
00:34:05	Cutaways	Inside shots of the <i>Vilniaus Energija</i> company
00:34:15	Cutaways	Establishing shots Rimantas Germanaus, <i>Vilniaus Energija</i> .
00:34:32	Cutaways	Inside shots of the <i>Vilniaus Energija</i> company
00:36:11	Cutaways	Buildings in Vilnius, Lithuania.
00:36:39	Cutaways	Establishing shots Laurynas Gerikas, a Vilnius resident.
00:37:24	Cutaways	Vilnius, the city: streets, people, transport, crossroad, buildings, traffic...
00:40:23	Cutaways	Countryside in France.
00:41:01	Cutaways	Establishing shot Jean-Paul Galland, <i>GF Services</i>
00:41:20	Cutaways	Biomass energy cabin
00:43:03	Cutaways	Woman in a kitchen dishwashing.
00:43:44	Cutaways	Establishing shots Jimmy Jimmy Pennequin, <i>Biomasse Normandie</i> .
00:44:08	Cutaways	Wood pellets
00:44:25	Cutaways	Making biomass.
00:46:43	Cutaways	A tractor in the countryside in Slovenia.
00:47:49	Cutaways	Travelling: the track in highway arriving to Svonik hot baths
00:48:55	Cutaways	Tractor loading biomass at the spa
00:50:05	Cutaways	Outside shots of the spa
00:50:31	Cutaways	Inside shots of the spa
00:51:39	Cutaways	Establishing shots of Ivan Hribar, Manager of the spa.
00:51:51	Cutaways	Biomass heating system at the spa.
00:53:30		END

SHOOTING INFORMATION

<i>COUNTRY/TOWN</i>	<i>PERIOD</i>
France / Rennes	4/12/2007-5/12/2007
Lithuania / Vilnius	10/12/2007-12/12/2007
Slovenia / Ljubliana	12/12/2007 – 13/12/2007
Slovenia / Cerklje	13/12/2007 – 14/12/2007

CONTACTS

Mostra Communication : Media Relations

Przemek Szwadski

Email : psz@mostra.com

Website : <http://www.tvlink.org>

Tel : +32 2 537 44 00