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Project acronym **U\*NIGHT**

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**“Researchers’ nights” 2006**

Thematic Priority **Human Resources & Mobility**

## **Deliverable D 3.2 Presentation of short films**

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Revision 1

<b>Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)</b>		
<b>Dissemination Level</b>		
<b>PU</b>	Public	X
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

## EU FP6 Project U\*NIGHT “University by night”

The objective of this work package is to raise public understanding of the contribution of Bulgarian and European researchers to social and economic progress and development. The selected focus areas of the project U\*NIGHT were technology and physics. As a good form of presenting scientific and technology achievements of researchers was considered showing short movies on researchers to the public.

The film programme within the U\*NIGHT project was composed independently by each partner. Short films relevant to the project objectives were selected. The coordinating institution Sofia University provided some interesting films, connected with the main topics of the planned event, which were used by some partners as well.

### 1. Short films at Sofia University “St. Kl. Ohridski”

During the Researchers Night at Sofia University on 22 September was offered to the audience a film marathon including the following films:

- **„Researcher – an international career”** – 52 min., BG subtitles  
The European Commission film “Researcher – an international career” presents an interesting prospective of the researchers life, focusing on the mobility and knowledge transfer among researchers and researcher teams as a base for European Union scientific progress. The film presents several labs in France, Slovakia, US, Estonia, Germany and Italy in order to show the real European researchers stories, discovering more about competition and cooperation, communication and integration, challenges and chances of working in international environment...
- **17<sup>th</sup> European Union Contest for Young Scientist** – Moscow 2005, 14 min., English and **16<sup>th</sup> European Union Contest for Young Scientist** –Dublin 2004, 25 min, English  
Both European Commission films for “Young Scientist Contest”, edition 2004 and 2005, present the youngest European researchers’ inventions exhibition. The films focus on young people while defending their innovative projects, talking about their unforgettable experiences and emotions during the competition for the prize. A quick visit across the researcher stands exposes projects and their history. How the jury will select the winners, the most attended award ceremony, the interesting parallel program and sessions during the contest make as well accent in the films.
- **„Researchers in Europe”** - 25 min , Bulgarian Language  
The film overviews the FP6 project REKS (Researchers in European Knowledge Society) final conference, taking place in Sofia, in November 2005. In a number of presentations and discussions, Bulgarian and International conference participants point out the actual problems in front of the Bulgarian and European researchers and science. Some of the topics discuss researchers mobility, researchers position in the society, researcher career and growth prospective, researchers –women. In the film are presented the project results attained, highlightening the raised questions among Bulgarian scientists and Bulgarian Community.
- **„Hubbel Source 2005, Video Collection NASA”**, 45 min., English  
The film is devoted on the 15th anniversary of the Telescope Hubble launch in cosmos, and presents some unique pictures of the stars mysteries. In the film are inserted real pictures taken from the telescope, completed with animations, sounds and simulations of cosmic objects and events. The questions raised during the film discuss how the stars are born and how they die, how the galaxies appear, how it looks the universe. The incredible

vision of the film is completed with comments and interviews with leading university lecturers and researchers all over the world.

- **„EUROPE reaches for the stars – 40 years ESO 1962 - 2002”** – 51 min., English  
The history of the project ESO - European Southern Observatory, lasting more than 40 years is presented in the film exposing the discovery of the European astronomers. The biggest earth telescope in the world is located in the Atacama Desert, Chili, as research unit of the European program for Astronomic studies. The film presents historical facts, documents and pictures of the telescope construction, discovers more details about ESO initiatives and programs and opens a door to the next European telescope project – ALMA. The European contribution to the astronomy science development is closely related with the ESO organization.
- **“Nano – the next dimension”** -27 min, Bulgarian subtitles  
The documentary film presents the new technologies with nano-dimensions. Leading researchers discuss the nature and development of the nanotechnologies and its applications in the modern world. There are two Nobel laureates among the interviewed researchers. The film discusses a wide spectrum of “nano” applications, beginning with surface protection to medicine use, discovering the limitless opportunities these technologies to enter in our daily life.
- **“Nanotechnologies”** - 25 min., English  
What is the Nanotechnology science? The film presents two students, searching for an answer, while preparing a presentation for Nanotechnologies. In order to fulfill the tasks, the students interview several researchers and visit laboratories, trying to understand multiple applications. The appealing vision of the film is attained as well with interesting animations.
- **“John Vincent Atanasoff – Genius that changed the world”**, Bulgarian , Part 1 (43 min), Part 2 (30 min)  
The John Atanasoff film discovers the life of the genial researcher and put more light on the invention of the digital machine. The both parts of the film present multiple interviews and comments of John Atanasoff, of his relatives, family and colleagues. Taken during the visit in Bulgaria in 2001, the Atanasoff family memories complete the history of the inventor’s life. In the University of Illinois pictures can be followed the evolution of the Atanasoff ideas from 1937 for the construction of calculation system in service of the students in theoretical physics to the court issue in 1983, pronouncing him to be father of the modern computer.

## **2. Short film at Technical University – Sofia**

The official opening of the U\*night started with a 20-minutes film “60 Years TU-Sofia” in video-hall 2140 discovering the TU-Sofia past and present achievements, prominent researchers and professors. The film emphasized on the leading role of the university in: the industrial development of the country; the creation of competent and worldwide recognized specialists, dedicated lecturers and prominent researchers in the area of engineering; integration into the European research and educational area; the building of contemporary laboratories and high teaching and research standards.

The film revealed the prestige of the TU-Sofia as a research and educational institution with international relationships and impacts worldwide. Graduates from the TU-Sofia hold high positions in national and international companies, contributing to the development of the Bulgarian economy and science.

### **3. Short films at “Angel Kanchev” University of Rouse**

Presentations of considerable technological achievements were demonstrated in the University lobby, namely:

- Prof. Vladimir Vitliemov, DSc and his team: Robots supporting rehabilitation processes, especially Robot for upper limb motion therapy;
- Prof. Veliko Ivanov, DSc and his team: New constructions of nails;
- Prof. Nikola Orloev, PhD and his team: New design developments of automobiles, motorcycles and buggy-cars and two-dimensional and three-dimensional animation in Internet products;
- Prof. Rousko Shishkov, DSc and his team: Vacuum technologies for wear protective and decorative deposits and welding of metals in vacuum;
- Prof. Angel Smrikarov, PhD and his team: Energy saving technologies for industry and agriculture.

The presentations have been taken and will be published on project disc.

### **4. Short films at Trakia University**

Some interesting films were shown in the framework of the planned film-marathon:

1. “**Microcosmos**” (the population of the grass), subtitles in Bulgarian. This film shows the life of the insects in the natural environment of their existence. As it could be seen, the film is made with very modern technological tools with multiple increases the real vision of the life organisms. The film introduces the spectators to the interesting and amazing world of the smallest life inhabitants in the grass like honey bees, beetles, snails, butterflies, ant etc.
2. **17 th Contest for young scientist** – Moskow 2005 EN
3. ‘**Hubble source 2005**’, Video collection NASA’, EN

### **5. Short films at Technical University - Varna**

1. HUBBLE Source 2005 Video Collection NASA
2. EUROPE Reaches for the Stars – 40 years ESO 1962-2002
3. 17 Contest for young Scientist 2005
4. 16<sup>th</sup> Contest for young Scientist 2004
5. Einstein’s dream
6. Researcher-An International Career
7. Researchers in Europe
8. John Atanasoff
9. **BBC – SPACE** - Three films 29 minutes each, production of BBC, translated into Bulgarian Language. In the films are used a lot of documentary cadres.
  - Black holes – Scientific research, what they look like, are they dangerous, documentary pictures
  - Are we alone in the Space? – Is there life on other planets? In searching of a alternative forms of life in the Space.
  - Chronology of Man’s Journey in the Space.