

7 Public Information

1) Participation in outreach and public events (Educational Project for Science teachers and students – continuation)

- Competition for secondary and high school students testing knowledge of nuclear physics and fusion – organized during the all school year 2010-2011 with the help of teachers participating in 'Fusion at school' project. Three stages – school, regional and national – over 200 students from about 90 schools took part in the competition, 44 students reached the central, national level of the competition and 20 winners received the winning prize that is four-day training course in Greifswald.
- Three-day training course on nuclear physics in the Institute of Plasma Physics and Laser Microfusion in Warsaw in 26-28 May 2011 – 91 participants: 47 science teachers of secondary and high schools from all Poland and 44 students – winners of the regional competitions. Apart from lectures and competition test for students, the programme included also visits to the IPPLM laboratories. The lecturers were mostly scientists from the IPPLM but also some of them were invited from other nuclear institutes in Poland. There was also one representative from EFDA-JET, Jef Ongena who presented a lecture about global energy problems.
- Visiting the Institute of Plasma Physics in Greifswald (with the W7-X stellarator) – 21-24 September 2011 – 20 students, winners of the national competition, with their teachers (48 people altogether) from all over Poland. Apart from W7-X stellarator, the participants visited the Department of Physics of the University in Greifswald and the Leibniz Institute for Plasma Science and Technology. In each place, the programme included participation in theoretical lectures, observation of experiments (at the students faculties of the university) and visits in laboratories.
- Preparing materials for teachers:
 - translating articles about fusion
 - articles written by Polish scientists
 - printing leaflets, brochures
- Distributing materials among teachers in Poland – February, May, September 2011
- Helping teachers in organizing fusion competitions in their schools and regions
- Participating in the XV Science Festival in Warsaw, September 2011
- Theatre GO Meta-Physical Laboratory – continuation of cooperation
 - The project 'Art of Science' for children from Primary Schools and young students from secondary and high schools (aged 9-18 years) – the programme has had a few versions for different age groups/matched/adapted/adjusted to the age of the participants. It is a theatre spectacle played next to the main IPPLM facility, Plasma Focus 1000 – students participate personally in the artistic and scientific programme together with actors and scientists. The first edition of the project took place in 21-25 November 2011, the next is planned in the year 2012
 - The all-year programme 'Education through Art' - performances and presentations of achievements of modern science especially related to fusion and global energy challenges in the institute and the schools from Warsaw and the region. In the year 2011, more than 3000 students participated in the programme

2) Contributions to EFDA PI Activities

- Annual meeting of PI group in Greifswald in 16-17 June 2011.
 - Informative, educational and very useful meeting with people from different European associations, who work in the field of Public Information in their countries. Exchange of ideas and reciprocal stimulation
 - Presenting educational activity of our Association during all the year. Presentation about educational project for Secondary and High School Science teachers created, organized and carried out by the Polish EURATOM Association
 - Discussion how to emphasize Polish contribution in fusion programme in Europe (and generally scientific) – the meeting took place just before the beginning of the Polish presidency in European Union (July-December 2011)

3) Production of films, brochures, websites, etc

- The brochure '35 years of research for future generation' written in order to present the work and achievements of the institute IFPiLM during its 35 years of existence – in electronic and printed versions.
- Producing brochures in Polish language from the articles translated from Science in School, EFDA and the articles written by Polish scientists
- Introducing a new IPPLM website www.ifpilm.pl – September 2011
- Updating the website of National Contact Point with the section of education:
 - information about summer schools
 - informative documents for teachers engaged in the educational project
 - materials for teachers to use in the classroom
 - lectures, presentations from teacher training meeting in IPPLM and the courses abroad

4) Press releases, journal articles, electronic media, radio broadcast

- Article presenting the research programme in the IFPiLM institute 'Harnessing the energy of stars; Poland contributes to research to make fusion energy available on Earth' published in Public Service Review: European Union, Issue 21, March 2011
- Article 'New source of energy; IFPiLM leader of fusion research in Poland' In the newspaper Gazeta Prawna; research institutes, March 2011
- Article 'Physics is fun' describing the beginning and development of the project carried out by the IPPLM Association, called 'Fusion at school'. The article written by Helena Howaniec, was published in the first issue of 'Fusion in Europe', April 2011.
- Articles in schools journals and websites about students' competition and about the visit of Polish teachers and students in Greifswald
- Radio broadcast on Polish local radio channels before and during the students competitions
- An interview with the Director of IPPLM Andrzej Gałkowski done by a student from IV High School in Katowice – published in the school newspaper and the IPPLM website, May 2011
- A celebration of the jubilee of the Institute of Plasma Physics and Laser Microfusion "35 years of research in IPPLM" – numerous politicians and journalists participated, 30th September 2011
- Article 'The institute of high power and high temperature' – interview with Lesław Karpiński, the director of the IFPiLM department, October 2011
- Radio broadcast on Polish national channel 'Science evening with TV' – interview with 3 scientists from IFPiLM: Andrzej Gałkowski, Marek Scholz, Łukasz Ciupiński – October 2011

- Publishing two articles in AlphaGalileo about the institute achievements; October 2011; next followed publishes in many Polish and world science services:
 - Krypton Hall effect thruster for space propulsion
 - Laser ion source will produce a new generation of semiconductors