

5 Public Information

I. Participation in outreach and public events

Educational Project for Physics teachers – continuation

- Visit to the JET laboratory in Culham – 11-15 March 2009 – 45 teachers from all Poland, the most active in the project. Apart from JET, participants visited the Department of Physics of the University in Oxford and the Central Laser Facility at Rutherford Appleton Laboratory. In each place, visits were accompanied by lectures.



- Two-day training course in the basic plasma physics in High School in Opatów - 63 participants: school science teachers from all Poland and students-guides from 4 universities that organize Fusion Expo in Poland in 2009.



- Preparing materials for teachers:
 - translation of the film 'Fusion 2100' from EFDA
 - translation of the article about fusion from the magazine 'Science in School'
 - articles written by Polish scientists in the magazine for teachers 'Foton'
 - printing leaflets, brochures
- Distributing materials among teachers – February, June, December

- Preparing programme for teachers to use in the classroom: teachers prepared plans of the lesson about fusion in Secondary and High Schools, one of them won a competition organized by the Polish Physics Society
- Helping teachers in organizing events in their schools: meeting, exhibitions competitions about fusion for students



- Visiting schools, which take part in the project: Szczecinek, Katowice, teachers meeting in High School in Opatów
- Initiating and stimulating cooperation between local universities and teachers from the project: Fusion Expo exhibition organized by universities and visited by High School students with their teachers.
- Polish Physics Society meeting – lecture about ITER in plenary session (by the HRU Andrzej Gałkowski), presentation ‘Fusion at school and society’ in the session for teachers (by PI Officer Helena Howaniec) and presentation ‘Diamond as an alpha particle detector in the extreme conditions of nuclear fusion in the JET and ITER tokamaks’ (by Krzysztof Drozdowicz, Institute of Nuclear Physics in Krakow)
- Theatre GO Meta-Physical Laboratory – continuation of cooperation
- Performances and presentation 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 2009 more than 3000 students participated in the programme
- Symposium in the High School in Szczecinek in May 2009 for young people and adults.
- Lectures for students and presentations about educational project for science teachers in High Schools in Kudowa Zdrój.
- LHC Exhibition in major cities in Poland, participation, distributing materials
- May 2009 ‘Science Festival’ in Opole and High School in Wolczyn – presentation ‘100 mln K’ by Ireneusz Książek, Opole University

II. Contributions to EFDA PI Activities

1. Preparing, organizing and exhibiting Fusion Expo in 4 Polish Universities:



- Translating a text for the exhibition and questionnaire for participants
 - Contributing in preparation of the Opening Ceremony in Koszalin and Łódź: Lecture in the Opening Ceremony presented by the HRU Andrzej Gałkowski
 1. Koszalin - May/June 2009,
 2. Szczecin - June/July 2009,
 3. Łódź - October 2009,
 4. Katowice - November 2009
 - Translating materials from EFDA – film DVD ‘Fusion in 2100’
 - Continuation of translation of a book ‘Energy, powering your world’ – not finished
2. Participation in the annual meeting of PI group in Lubljana. Presenting educational activity of our Association during all the year. Presentation about educational project for Secondary School Science teachers created and organized in the Polish EURATOM Association. Informative, educational and very useful meeting with people from different European associations, who work in the field of Public Information in their countries. Exchanging ideas and mutual stimulation of the participants.

III. Production of films, brochures, websites, etc

1. Producing brochures in Polish from articles translated from Science in School, EFDA and from the articles written by Polish scientists
 - translating articles about fusion from the magazine Science in School
 - translating a film ‘Fusion 2100’ into Polish
 - translating the book ‘Energy, Powering Your World’ – continuation, not finished
 - writing an article about fusion in the magazine for teachers ‘Foton’
2. Widening IPPLM website with the section of education:
 - information about summer schools for students

- 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 (pdf documents)

IV. Press release, journal articles, electronic media, radio broadcast

- Articles about fusion in Polish Journals: magazine for teachers 'Foton, magazine for scientists, the Polish Physics Society magazine 'Postępy Fizyki'
- An article in the magazine Tygodnik Pojezierza Drawskiego about the HRU lecture during Fusion Expo in Koszalin
- Informative and feature articles in local newspapers and magazines in all 4 cities, that organized Fusion Expo – links are available on the expo website www.fusion-expo.si
- Radio broadcast on Polish local radio channels before and during the Fusion expo in each of the cities in Poland

Plans for 2010

- All the regular activities connected with educational project: preparing and distribution materials, constant contact with teachers, visits in schools etc and also participation in outreach and public events
- **New:** direct contact with students: competition for High School students: different stages starting from school, then local and finally central part of the competition with the prize – a visit to JET
- Annual teacher meeting with two-day training course in Krakow in April
- Visit of a group of 40 teachers in JET in June