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International MILLENNIUM YOUTH CAMP 2010

Millennium Technology Prize Week 6-13 June 2010
Primary event location: Helsinki

Organised by:

Technology Academy Finland, Finland's LUMA Centre,
the Ministry of Education and the Centre for School Clubs



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Main objectives

- To raise levels of interest in the natural sciences and technology (and studies involving these disciplines) among 16-19 year-olds
- Improving awareness of the Millennium Technology Prize
- Making young people more familiar with Finnish scientific and technological know-how and innovation activities, and presenting Finland as an attractive location in which to study and work
- Helping young people meet each other and get to know top-level Finnish researchers in university institutions and commercial concerns
- Encouraging young people to find out more about Finland's beautiful natural resources
- Having fun and enjoying new experiences in Finland



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Target groups

- Thirty talented young people from all over the world (ten from Finland) who have a real interest in the natural sciences
- 15 girls / 15 boys
- Participants selected through a two-stage application process (criteria: motivation, achievements / hobbies and personal theme-related targets)
- Participation in MY Camp is completely free of charge



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Themes

- Information technology (IT) and digitalisation
- Applied mathematics
- Environmental science and technology
- ** Climate change
- ** Renewable natural resources
- ** Renewable energy
- ** Water



Preliminary programme ideas

- Fundamental pillars: science / technology / nature
- Participants divided into ten theme-based groups, with each group being allocated its own task (a small-scale project)
- Theme-based encounters with top researchers and research groups: a research tutor for each three-person group and discussions before MY Camp actually begins
- An undergraduate tutor (university student) for each group
- Results of the MY Camp work presented to a wide audience (researchers, cooperation partners and other young people)
- Visits: Finnish Science Centre Heureka / Technology Museum, Finnish archipelago / Nuuksio National Park
- Extensive media involvement (press, Internet etc.)



Preliminary programme

- **Sunday:** Arrival, registration and getting acquainted
- **Monday:** University of Helsinki: introduction to the Kumpula Science Campus, discovering the campus and its activities, evening event organised by faculty personnel
- **Tuesday:** Orientation – four Finnish companies and the work they do
- **Wednesday:** Meeting with the Millennium Finalists, participation in Millennium Week, the Millennium Technology Prize Award Ceremony
- **Thursday:** Aalto University, Otaniemi: orientation, activities, evening in the Design Factory
- **Friday:** Excursion to the Finnish archipelago / Nuuksio
Evening: project presentations and entertainment (at Museum of Technology, includes cooperation partners, sponsors, young people...)
- **Saturday:** "Tourist" day
- **Sunday:** Departure

Cooperation partners: some to be confirmed

(Brackets indicate items that are still open):

- University of Helsinki & Helsinki University of Technology
- Companies: Nokia, Kemira, UPM, Vaisala (programme)
- Ministry for Foreign Affairs (participation in programme), Ministry of Education (programme and funding), Finnish National Board of Education
- Other organisations: Confederation of Finnish Industries EK (?), Chemical Industry Association (?), Finnish Forest Industries Association (?), Economic Information Office TAT, Federation of Finnish Technology Industries, Technology Industry Centenary Foundation (partial funding?), Academy of Finland, Museum of Technology
- Finnish Association of Teachers of Mathematics, Physics, Chemistry and Informatics MAOL, Association of Biology and Geography Teachers BMOL
- Sponsors: organisations and companies (search in progress)



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Marketing activity includes

- Ministry of Education / Ministry for Foreign Affairs / National Board of Education networks
- University, organisation and company networks
- Finland's LUMA Centre & global cooperation centres: web pages and the *Luova* and *Kreativ* webzines for young people
- Millennium Technology Prize networks (e.g. MIT)
- Centre for School Clubs & science teacher association networks
- National competitions (EU's Young Scientist, Viksu, Tutki-Kehitä-Kokeile)
- MAOL, BMOL in Finland and sister organisations in other countries
- International Olympics in natural sciences, mathematics, information technology, geography and biology (Finnish National Board of Education)
- Connections available to the group directing Millennium Youth Camp (MY Camp) activities



Project timetable

- Announcements in Finland 5.10.2009
(*LUMAuutiset* and elsewhere)
- International announcements 9.10.2009
(web pages open)
- Stage I applications by 30 November 2009, assessment panel selects 100 candidates for the next round. Stage II begins in January 2010.
- Participant names published on 15 March 2010
- MY Camp 6-13 June 2010
- Camp organised on an annual basis, three-year pilot



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Project funding

- Total cost estimated to be some EUR 125,000
- Funds from the Ministry of Education, being sought from the Technology Industries Centenary Foundation , other foundations and trusts
- Ministry for Foreign Affairs: marketing via representative office networks, among others
- Sponsors being sought among organisations and companies
- Companies involved in the programme will cover their direct costs
- The Centre for School Clubs will provide funding for Finnish MY Camp participants
- Universities (Helsinki, Aalto): programme, locations, evening events



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