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"Populus" system changes the job market in Lower Silesia region

How does the Wroclaw and Lower Silesia job market look, how many people and in what fields are seeking employment, how many graduates will be entering the job market soon – these and other questions may now immediately be answered using Populus. **The system, the first of its kind in Poland, was devised by specialists from the Hugo Steinhaus Stochastic Methods Centre at Wroclaw University of Technology**, headed by the Centre's director, Prof. Aleksander Weron.

The system contains three categories of data – Dr Krzysztof Burnecki, one of the founders explained. **These are data including detailed information on the Wroclaw population, the state and educational needs of the region and forecasts concerning the changing job market in Wroclaw and the surrounding nine boroughs for the next five years.**

Populus contains a list of the unemployed and employed (from the Statistics Office in Wroclaw – WUS – and the District Employment Office in Wroclaw – PUP) as well as information about the number of workers and people who are unemployed in 1707 jobs and categories. It contains prognoses about the most needed specialisations in the coming years. **Populus 'knows' when and in which branch there will be a deficit and where there will be an oversupply of workforce.** What specialisations will be the most sought after in six months, a year or two years' time.

This is due to the fact that the system is a type of simulator, which reads and programmes the trends on the job market. It constantly processes the data, it is open and provides the opportunity to add new categories as new needs arise.

Thanks to Populus, Wroclaw will be the best organised city in Poland in terms of the job market, education system, business investments. Unless of course the system is extended to other regions of the country.

The software was created at the request of Wroclaw borough and the based on an agreement for preparing a science-research paper, entitled – “An analysis of change in: population, education and the job market as well as devising a stochastic model of the evolution processes of human potential in Wroclaw district in the years 2007-2013”.

Ten people worked on the program from April to November 2006. 30 investors have already submitted requests to the system. Populus cost PLN 160,000, it is owned in half by Wroclaw University of Technology and in half by the Agency of Wroclaw Conglomeration Development.

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