

## **Proposition of one Master Thesis Stipend in the Department of Remote Sensing at the Institute of Geodesy and Cartography in Warsaw**

We offer a master thesis stipend in the **Department of Remote Sensing, Institute of Geodesy and Cartography in Warsaw** for a collaborative work in the frame of project: „**A novel approach to estimate fire intensity and carbon emissions over a decade of fires in Poland**” funded by the Foundation for Polish Science.

The project applies a novel satellite-based approach to fire intensity and fire emissions assessment to better constrain the likely contribution made by Polish fires to climate change. This innovative research project will lead to a reduction in the uncertainties surrounding estimates of carbon losses and emissions from fires. It will also provide best possible data on fire regime dynamics and information on illegal early spring burning.

Within the frame of this project, the student will investigate the intensity of fires which occurred in Poland over the last decade and identified areas particularly vulnerable to spring burning. These data will be further implemented in estimation of carbon losses and emissions from burning. The student will be involved in the scientific investigations of the project and will work on his/her MSc dissertation under the Dr. Agata Hościło supervision (Principle Investigator of the project).

Stipend's amount per month: 1 000 PLN (tax free) for 19 months, starting 1 October 2013

Profile of candidate:

1. A completed BSc study in an area of Physical Geography, Geosciences, Environmental Science or an allied disciplines
2. A good honors degree and strong research potential
3. A good knowledge on remote sensing
4. Image analysis software skills (ERDAS, ENVI or similar) and GIS software
5. Good written and verbal English
6. Programming skills are very much welcomed (preferably IDL)

Candidates wishing to apply are requested to send their CV containing description of scientific achievements, a motivation letter (in English), and a copy of the education certificate including grades reports (document has to be confirmed by the dean's office) to Dr. Agata Hościło ([agata.hoscilo@igik.edu.pl](mailto:agata.hoscilo@igik.edu.pl)).

Closing date: 09. 09. 2013

Information about the project: <http://www.igik.edu.pl/pl/pozary>