

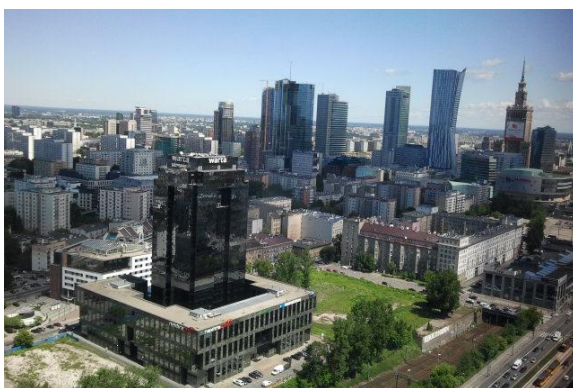


# SUMMER SCHOOL 2013

## Remote Sensing Applications for environmental modelling and classification

Venue: Institute of Geodesy and Cartography  
Department of Remote Sensing  
Warsaw, POLAND

18-27 September 2013



[www.igik.edu.pl/en/en-gionet-summer-school](http://www.igik.edu.pl/en/en-gionet-summer-school)

[www.gionet.eu](http://www.gionet.eu)



Friedrich-Schiller-Universität Jena

**17.09.2013 Arrival: Further logistic information material will be available at the hotel**

| <b>Wednesday 18.09.2013</b>   |   |
|---|---|
| 9.00  | Welcome (Dr. Marek Baranowski, Director of IGIK; Prof. Katarzyna Dąbrowska-Zielińska, IGIK)   |
| 9.30  | Copernicus Activities in Europe and in Poland (Prof. Katarzyna Dąbrowska-Zielińska)   |
| 10.30   | Coffee break  |
| 11.00   | Methodology of NOAA/AVHRR data processing – chain from acquisition to final product (Dr. Zbigniew Bochenek, IGIK)   |
| 12.30   | Lunch break   |
| 14.00   | Computer practical, Evaluation of vegetation parameters for NUTS2 and NUTS3 (Maciej Bartold, Milena Napiórkowska, IGIK)   |
| 15.30   | Coffee break  |
| 16.00   | Computer practical (continued)  |
| 17.30   | Close   |
| 20.00   | Welcome dinner  |
| <b>Thursday 19.09.2013</b>  |   |
| 9.00  | Retrieval of biophysical parameters from optical, radar and multi-sensoral RS data (Prof. Katarzyna Dąbrowska-Zielińska, IGIK)  |
| 10.30   | Coffee break  |
| 11.00   | Modelling - cereal growth model, water cloud model (Prof. K. Dąbrowska-Zielińska)   |
| 12.30   | Lunch break   |
| 14.00   | Hydrological modeling (Prof. Artur Magnuszewski, University of Warsaw)  |
| 15.30   | Coffee break  |
| 16.00   | Application of remote sensing data in hydrological models (Prof. Katarzyna Dąbrowska-Zielińska)   |
| 17.30   | Close   |
| <b>Friday 20.09.2013</b>  |   |
| 8.00 – 18.00  | Field trip to the Kampinoski National Park: practical training in using instruments for the measurements of various biophysical parameters;<br><br>LIFE+ Programme in National Park - discussions |
| <b>Saturday 21.09.2013 and Sunday 22.09.2013</b>  |   |
| Social programme: sightseeing in Warsaw,  |   |
| Saturday: 10:00 – 16:00 Visit to the Museum of Maria Skłodowska-Curie and Copernicus Science Centre |   |
| Sunday: sightseeing in Warsaw, football match in the afternoon                                      |   |
| <b>Monday 23.09.2013</b>  |   |
| 9.00  | Training on the GIO Pan-EU Component - CORINE land cover/land cover change mapping - theory (Dr. Agata Hościło, IGIK)   |
| 10.30   | Coffee break  |

|   |  |
|---|--|
| 11.00   | Importance of Galileo Programme for Europe (Dr. Włodzimierz Lewandowski, International Office of Weights and Measures (BIPM))  |
| 12.30   | Lunch break  |
| 14.00   | Practical training on CORINE land cover/land cover change mapping (Dr. A. Hościło)   |
| 15.30   | Coffee break   |
| 16.00   | Practical training (continued)   |
| 17.00   | Discussion   |
| 17.30   | Close  |
| <b>Tuesday 24.09.2013</b>   |  |
| 9.00  | Introduction to Infrastructure for Spatial Information in Europe (INSPIRE) (Dr. Marek Baranowski, Director of IGIK)  |
| 10.30   | Coffee break   |
| 11.00   | The basics of spatial data infrastructures building (Dr. Agnieszka Chojka, University of Warmia and Mazury, Olsztyn)   |
| 12.30   | Lunch break  |
| 14.00   | Formal means of geographic information modeling (Dr. Agnieszka Chojka, University of Warmia and Mazury, Olsztyn)   |
| 15.30   | Coffee break   |
| 16.00   | Web geoservices, open source Web Maps and European geoportals (Jędrzej Gąsiorowski, IGIK)  |
| 17.30   | Close  |
| <b>Wednesday 25.09.2013</b>   |  |
| 9.00  | Where to look for EU/ESA fundings (Piotr Świerczyński and Bogna Hryniszyn, National Contact Point for Research Programmes of the EU)   |
| 10.30   | Coffee break   |
| 11.00   | Management of the international project (Martyna Gatkowska, IGIK; Dr. Virginia Nicolas-Perea, University of Leicester, UK)   |
| 13.00   | Lunch break  |
| 14.00   | Official Welcome Note to the GIONET Students by the GIONET Coordinator Prof. Heiko Balzter<br><br>How to get research funding (Prof. Heiko Balzter, University of Leicester, UK) |
| 15.30   | Discussion   |
| 16.00   | Coffee break   |
| 16.30   | Toward a European land monitoring approach: Outcomes from the HELM project and the EAGLE Group (Geoff Smith, Spectro Natura, UK)   |
| 17.30   | Close  |
| <b>Thursday 26.09.2013</b>  |  |
| 9.00  | Analysis of the field data collected in the Kampinoski National Park   |
| 10.45   | Coffee break   |
| 11.00   | Professional - quality use of media to disseminate research results to appropriate audiences - open discussion between scientists, SMEs and journalists                          |
| 12.30   | Lunch break  |
| 12:30 - 14:00: <a href="#">GIONET Management board</a>                        |  |
| <a href="#">(only attended by the Members of the GIONET Management Board)</a> |  |
| 14.00   | Introduction to poster session (5 minutes presentation per ESR and external participants)  |

|  |   |
|--|---|
| 15.30  | Coffee break  |
| 16.00  | Poster session  |
| 18.00  | Close   |
| 20.00  | Welcome dinner  |
| <b>Friday 27.09.2013</b>   |   |
| 9.00   | An outline of the ESA Earth Observation programme (Dr. Francesco Sarti, ESA/ESRIN)  |
| 9:45   | Applications of Earth Observation to Disaster Management (including the International Charter and GMES/Copernicus) (Dr. Francesco Sarti, ESA/ESRIN)         |
| 10.30  | Coffee break  |
| <b>11.00 - 13.00: GIONET Supervisory Board</b>   |   |
| Only a representative from each partner organisation, 2 representatives of the GIONET ESRs and invited guests will be attending the GIONET Supervisory Board |   |
| 11.00  | Poster session continued<br><br>Individual meeting between the Fellows and the Postgraduate tutor from the Department of Geography, University of Leicester |
| 13:00  | Lunch break   |
| 14.30  | Splinter session chair by the WPs leaders – Open Discussion and conclusions   |
| 15.30  | Coffee break  |
| 16.00  | Close   |

All lectures, computer practical and meetings will take place at the

**Institute of Geodesy and Cartography**

**27 Modzelewskiego St.**

**02-679 Warszawa**

More information about the venue can be found here:

<http://www.igik.edu.pl/en/en-gionet-summer-school>

List of Participants and hotel Bookings:

**Belwederski Hotel**  
**11 Sulkiewicza St.**  
**00-758 Warsaw**

Phone no: +48 22 840 40 11

[http://hotelewam.co.uk/17-Warsaw,\\_Belwederski\\_Hotel.html](http://hotelewam.co.uk/17-Warsaw,_Belwederski_Hotel.html)

Rooms are booked from the 17<sup>th</sup> to the 28<sup>th</sup> September (11 nights or 10/12 for some of you)

1. James Wheeler, University of Leicester, UK
2. Pedro Rodriguez-Veiga, University of Leicester, UK
3. Stephanie Palmer, BLI, Hungary (17-27/09)
4. Dimitris Stratoulas, BLI, Hungary
5. Christoff Fourier, DLR, Germany
6. Linda Moser, DLR, Germany
7. Jessica Papke, Gamma, Switzerland (17-27 September)
8. Penelope Kourkouli, Gamma, Switzerland
9. Sybrand van Beijma, Astrium, UK (17-29 September)
10. Bernard Spies, Astrium, UK (17-29 September)
11. Martyna Stelmaszczuk, Jena, Germany (no hotel)
12. Maxim Chernetskiy, Jena, Germany
13. Matthew Ofwono, IGiK, Poland (no hotel)
14. Shailesh Shrestha, IGiK, Poland (no hotel)
15. Iurii Shendryk, Helmholtz Centre for Env. Research, Germany
16. Charoula Andreou, National Technical University of Athens, Greece
17. Sarah Green, University of Stirling, UK
18. Menaka Chellasamy, Aarhus University, Denmark
19. Andrea Ehammer, University of Copenhagen, Denmark
20. Alberto Crema, - CNR – IREA, Italy
21. Przemysław Żelazowski, FAO, UN / DanCCAP, UK (no hotel)
22. Krzysztof Bakuła, Warsaw University of Technology, Poland (no hotel)

Members of Staff attending some of the lectures/seminar:

1. Dr. Virginia Nicolas-Perea, University of Leicester, UK
2. Dr. Maciej Soja, University of Chalmers, Sweden

Member of GIONET Management and Supervisory board:

**Belwederski Hotel**  
**11 Sulkiewicza St.**  
**00-758 Warsaw**

Phone no: +48 22 840 40 11

[http://hotelewam.co.uk/17-Warsaw,\\_Belwederski\\_Hotel.html](http://hotelewam.co.uk/17-Warsaw,_Belwederski_Hotel.html)

1. Prof. Heiko Balzter, University of Leicester, UK (24-27/09)
2. Dr. Virginia Nicolas-Perea, University of Leicester, UK (17-27/09)
3. Prof. Chris Schmullius, Friedrich-Schiller University Jena , Germany (26-27/09)
4. Dr. Stefan Voigt, DLR, Germany (25-28/09)
5. Dr. Alistair Lamb, Infoterra, UK (26-27/09)
6. Dr. Viktor Tóth, BLI, Hungary (25-29/09)
7. Dr. Andreas Wiesmann, Gamma, Switzerland (26-27/09)
8. Dr. Iphigenia Keramitsoglou, National Observatory of Athens, Greece (26-28/09)
9. Dr. Geoff Smith, Specto-natura, UK (25-27/09)
10. Dr. Francesco Sarti, ESA, Italy (26-27/09)
11. Dr. Zof Stott, NCEO, UK (25-28/09)
12. Dr. Maciej Soja, University of Chalmers, Sweden (26-28/09)
13. Dr. Peter Hunter, University of Stirling, UK (25-27/09)
14. Dr. Ian Davidson, Defra, UK (26-27/09)
15. Dr. Nick Tate, University of Leicester, UK (25-27/09)