

SEFS4

FOURTH SYMPOSIUM FOR EUROPEAN FRESHWATER SCIENCES

Jagiellonian University, Krakow, Poland, 22-26 August 2005

2nd ANNOUNCEMENT & CALL FOR ABSTRACT

You are invited to participate in the Fourth Symposium for European Freshwater Sciences (SEFS4), which will be held in Krakow, Southern Poland (see *The symposium venue*) from 22nd to 26th August 2005. It will be hosted by the Polish Academy of Sciences, Warsaw University and Jagiellonian University, in association with the Freshwater Biological Association.

As was the case at the previous Symposia for European Freshwater Sciences, SEFS1 in Antwerp (1999), SEFS2 in Toulouse (2001) and SEFS3 in Edinburgh (2003), the SEFS4 in Krakow is aimed to bring together scientists working in both pure and applied freshwater science, on freshwater organisms and aquatic inland ecosystems.

The format will be similar to previous SEFS meetings, with 7 plenary lectures addressed by internationally renowned scientists (see *Invited speakers*), poster presentations, and scientific sessions with 15+5 minute oral presentations run as 2 or 3 parallel sessions (see *Preliminary timetable*). The innovation for SEFS4 will be that some scientific sessions will contain oral presentations devoted to the themes introduced in plenary lectures, and each of these sessions will be concluded by a 30-40 min general discussion session, chaired by the respective plenary speaker (see *Provisional topics for the general discussion*).

As at the previous Symposia, both oral papers and posters are invited. Considering the time constraints, the number of oral presentations cannot exceed 90 when there are 2 parallel sessions (135 with 3 parallel sessions). Therefore, we might ask some authors to switch from oral to poster presentation if necessary (see *Oral presentations*). You are welcome to make suggestions regarding the session topic for your oral or poster presentation, however you should be aware of a possibility of your presentation being allocated to a different theme due to the time constraints (see *Provisional topics for the scientific sessions*).

Even though we shall start Monday morning with a welcome ceremony, the 1st plenary lecture, and the 1st and 2nd poster sessions (see *Preliminary timetable*), you are kindly advised to arrive in Krakow on Sunday (or a week earlier if you intend to participate in the *2005 Congress of European Society for Evolutionary Biology* organized at the same facilities of the Jagiellonian University: <http://www.eko.uj.edu.pl/eseb/index.html>). That will allow you to register and join us at the welcome reception in the Ancient City Hall to where we are invited by the President of Krakow. Even though we conclude Friday afternoon with 3rd and 4th poster sessions and closing session at 16³⁰, you are advised to stay in Krakow until Saturday to be able to participate in the Symposium dinner on Friday evening. You may also stay longer or take an Intercity to Warsaw (3 h) from where you should find a reasonable flight connection home or further opportunities for sightseeing (see *A visit to Warsaw*). If you are short of time, you will have a chance of seeing some of the unique sites of Krakow by joining the old town sightseeing tour on any or each evening on Monday, Tuesday and/or Thursday (see *Sightseeing Krakow*). On Wednesday there is an opportunity of seeing some interesting sites in the surrounding area (see *Mid Symposium Excursions*). For more information see: <http://www.sefs4.pan.krakow.pl>

Scientific programme

Invited speakers and plenary lectures

1. Alan P. **Covich** (University of Georgia, Athens):
'Dispersal-limited communities: functional diversity in tropical insular food webs'
2. Francesca **Gherardi** (Universita di Firenze):
'Bioinvasions and the Nero dilemma'
3. Jonathan **Grey** (University of London):
'Stable isotopes in aquatic ecology: current awareness'
4. Jan **Kozłowski** (Jagiellonian University, Krakow):
'The reasons why life histories are diverse'
5. Winfried **Lampert** (Max-Planck Institute of Limnology, Plön):
'Daphnia as a herbivore, predator and prey'
6. Lennart **Persson** (Umeå University):
'Size-structured interactions and the dynamics of aquatic communities'
7. Thomas **Weisse** (Institute for Limnology, Austrian Academy of Sciences, Mondsee):
'Biodiversity of freshwater microorganisms'

Provisional topics for the general discussions (& Chairs)

Body size and food web interactions (Lennart Persson)
Dispersal, hydrologic connectivity and community assembly (Alan P. Covich)
Invasions and their ecological implications (Francesca Gherardi)
Life histories (Jan Kozłowski)
Microbes: communities and processes (Thomas Weisse)
Modern methods in food web interaction studies: stable isotope, fatty acid & pigment analyses (Jonathan Grey)
Predation and food limitation in zooplankton or Antipredator defenses in phyto- and zooplankton (Winfried Lampert)

Provisional topics for oral and poster sessions

The final list will depend on the abstracts received (see *Abstracts*). The preliminary list contains also the topics planned for general discussions (see *Provisional topics for the general discussions*):

Antipredator defenses in phyto- and zooplankton
Aquatic habitats within urban areas
Aquatic biodiversity: conservation and management
Body size and food web interactions
Dispersal, meta-populations and hybridization
Ecohydrology
Eco-toxicology
Extreme habitats and effects of global change
Food webs and food web manipulations
Invasions and their ecological implications
Life histories
Microbial systems or Microbes: communities and processes
Microhabitats and microstructures
Patchiness, swarming and heterogeneity of the habitat
Phenotypic plasticity and its community-level consequences
Predation and food limitation in zooplankton and phytoplankton
Reservoirs versus lakes
Stoichiometry, food quality, and stable isotopes
Wetlands

Oral presentations

Oral presentations should be planned for 15 minutes + 5 minutes scheduled for discussion. Since the number of oral presentations is limited due to the tight schedule, we may ask some authors to shift from oral to poster session. Preference for oral sessions shall be given to presentations that are based on sound science, aimed at testing scientific hypothesis, and depending on the general topic and scientific novelty. We suggest that purely descriptive data are presented as posters rather than in oral sessions. Facilities will be available for slides, overheads, and multi-medial presentations (PC with floppy disc, CD-ROM drive and USB-port, but with **no** zip drive or unzipping software).

Poster presentations

Posters should be prepared in A1 format (841 x 594mm; preferably portrait rather than landscape orientation). We also encourage Authors to make a sufficient number of A4 handouts of their posters, to be fixed and displayed together with the poster itself. This will enable participants to create their own collections of poster copies, that can be bound by the SEFS4 secretariat at the venue so that they can be taken home. Authors are kindly asked to be present by their posters during the respective formal poster sessions (see *Preliminary timetable*).

Abstracts

Authors proposing to give an oral or poster presentation should submit an abstract and complete a Registration Form via the SEFS4 website (<http://www.sefs4.pan.krakow.pl>). You may be the main (presenting) author for only one presentation (one oral paper or one poster), although you may be a co-author on other papers/posters also. The deadline for abstract and registration form submission is 1 March 2005. Based on the results of the evaluation of abstracts by the Organizing Committee, submissions for oral presentation will be assessed according to the criteria above (see *Oral Presentations*) and then either accepted for one of the oral sessions or suggested for presentation as a poster. Authors will be informed of the outcome before 1st May 2005.

The main text of the abstract of an oral presentation or a poster should not exceed 350 words, and should contain the summary of the results and main conclusions. Guidelines for the format of the abstract are provided in the Box below. Please follow the guidance carefully, as abstracts not conforming to the specified format may be rejected.

Preferred form of presentation: state **O** (oral) or **P** (poster)
 Preferred session topic: give one topic of the session that is the closest to your content; if your presentation does not fit into any of the proposed topics, state "Other"
 Student prizes: state YES (if eligible) or NOT
 Title of presentation (in Arial 11-point, bold font, lowercase)
 Author's surname(s) and name(s): name¹, name² and name³ (in Arial-11 point, lowercase; underline the presenting author if it is not the first author)
 Author's affiliation(s): ¹, ² and ³ (full postal address(es), including institution, street, town/city, post-code, and country; in Arial 11-point, italics)
 Main text, **not exceeding 350 words**, in one paragraph, with scientific names in italics, with no references cited (in Arial 11-point, lowercase)

Student Prizes

Prizes will be awarded at the close of the meeting on Friday 26 August, for the best oral paper and the best poster presented by students. To be eligible for either prize, you must be the main author and currently registered as a BSc, MSc, or PhD student with a University or a College. Eligibility also extends to those who, although no longer registered as a student, have

completed their studies within the last 12 months (since August 2004) and who are presenting the results of their studies rather than subsequent work. To enter the competition for the student prizes, **tick the relevant box on the Registration Form.**

Publication

It is anticipated that the seven plenary lectures will be published in a special issue of the *Polish Journal of Ecology* (<http://www.cbe-pan.pl/PJE/PJE.htm>) under a preliminary title '*Trends in Freshwater Ecology*'. The plenary speakers (see *Invited speakers*) and chairpersons for final discussions (see *Provisional topics for the general discussion*), are invited to submit their papers after incorporating any issues arising from the general discussion as they consider appropriate (up to 30 normalized typed pages). The seven plenary lectures will comprise about 60% of the special issue, and the remaining space will be offered to other contributions presented as oral papers. They would be submitted to the guest editor of the special issue or the Editor of the journal, Dr. Anna Hillbricht-Ilkowska (AHillbricht@post.pl) as short research papers (up to 10 normalized typed pages). Up to 20 short papers would be accepted after standard review and revision procedure.

Preliminary Timetable

August	Morning		Afternoon		Evening
21 Sunday			Registration		Welcome reception
22 Monday	Registration				
	Opening ceremony	<i>Plenary session 1</i> and Poster sessions 1&2	<i>Plenary session 2</i> and Parallel Oral Presentations	General discussion 1&2	Sightseeing Krakow
23 Tuesday	<i>Plenary session 3</i> and Parallel Oral Presentations	General discussion 3	<i>Plenary session 4</i> and Parallel Oral Presentations	General discussion 4*	Sightseeing Krakow
24 Wednesday	Mid-symposium excursions				
25 Thursday	<i>Plenary session 5</i> and Parallel Oral Presentations	General discussion 5	<i>Plenary session 6</i> and Parallel Oral Presentations	General discussion 6*	Sightseeing Krakow
26 Friday	<i>Plenary session 7</i> and Parallel Oral Presentations	General discussion 7	Poster sessions 3&4	Closing ceremony	Salt mine & Symposium Dinner
27 Saturday	Free time				

* General discussion on the theme of the afternoon plenary lecture and any relevant presentations from both the morning and afternoon sessions.

How to register

To register for SEFS4, complete and submit your Registration Form and (if you wish to give a presentation) your abstract online and forward payment to the SEFS4 Secretariat by the following date:

1st March, 2005 if you wish to propose a paper for an oral or a poster presentation (remember to enclose its abstract), or if you wish to take advantage of the early registration fee;

1st May, 2005 if you wish to participate **without contributing a paper or poster** (and pay a higher registration fee). We regret that registrations or changes to registration details or abstracts cannot be accepted after the registration deadline of **1st May, 2005**.

Registration fees

Early registration (on or before 1 st March, 2005):	Late registration (between 2 nd March and 1 st May, 2005):
Participants Euro 250	Euro 300
Students with ID* Euro 150	Euro 200
<u>Accompanying person</u> Euro 100	<u>Euro 110</u>

*Copy of student ID is required (BSc, MSc, PhD)

The registration fee for participants and students will cover admission to all sessions and conference information included in the programme, Abstract Book, Sunday evening Welcome Reception, Monday, Tuesday and Thursday evening sightseeing in Krakow, coffee/tea during breaks, the visit to the Wieliczka Salt Mine and the Symposium Dinner. The registration fee does not include lunch, but this can be purchased at a reasonable price nearby. The fee for accompanying person will include admission to the Sunday Reception, Monday, Tuesday and Thursday evening sightseeing in Krakow, the visit to the Wieliczka Salt Mine, and the Symposium Dinner.

Bookings will be accepted only if accompanied by **full payment**.

How to pay

Payment may be made in EURO or PLN either in the form of a bank transfer, a bank draft cheque payable to the account indicated below.

Bank account:

Name: SEFS4 Instytut Ochrony Przyrody PAN
 Bank: BPH S.A. O/Krakow, ul. Pijarska 1
 Account no.: 16 1060 0076 0000 3200 0046 8151
 SWIFT Code: BPHK PL PK

(Note: Bank handling charges should be borne by the applicant. Please inform the SEFS4 secretariat when payment has been made)

Cheque:

Cheques should be made payable to the account above and sent to the SEFS4 secretariat at: Institute of Nature Conservation PAS, 31-120 Krakow, Al. Mickiewicza 33.

Cancellation & cancellation changes

In case of cancellation, written notification should be sent to the secretariat office.

The following charges will be deducted before refunding (to cover administrative costs):

Or on before 1st June 2005: 10% of the total

2nd June – 1st July 2005: 50% of the total (symposium materials, e.g. *Book of Abstracts*, will be delivered by mail on applicant's request)

After 1st July 2005: No refund (symposium materials delivered on applicant's request)

Registrations or changes to registration details cannot be accepted after the registration deadline 1st May 2005.

Hotel accommodation

Information about hotels (names, addresses and prices) will be announced in the 3rd Circular in April 2005. Hotels are located within a ten-minute walk from the Symposium Centre, mostly with parking facilities available.

Travel to Krakow

The city of Krakow has an international airport with a bus shuttle connecting it to the city centre (20-30 minutes). Krakow is part of the Intercity Rail Network, with an hourly train service from Warsaw (covering the 300 km in 2h 40min). There is also an intercity bus network connecting Krakow to many major cities in Poland and neighbouring countries.

Key dates:

- 1st March 2005: Deadline for receipt of abstracts and early registration fee (authors will be informed on the acceptance of contributions as oral presentations or posters before 1st May 2005)
- 1st April 2005: 3rd Circular concerning social programme and excursions
- 1st May 2005: Deadline for late registration fee for participants not contributing a paper/poster
Hotel reservation
Booking for mid-symposium excursion
Deadline for payment of excursions fees
- 1st June 2005: Cancellation of registration with 90% refund
- 1st July 2005: Cancellation of registration with 50% refund (no refund after 1st July)

Symposium venue

The Symposium will be held in one of the old or in the new facilities of Jagiellonian University, in the recently renovated *Larische Palace*, or in the *Auditorium Maximum*, a modern Congress Centre to be opened in 2005 (each to be visited at <http://www.uj.edu.pl/boin/eindex.htm>). Both are situated within 10 minutes' walk from the famous medieval Old Town Market. All hotels and dormitories are also located within a short walking distance from the symposium venue.

Krakow is a city full of historical associations, buildings, places and legends (see *Sightseeing Krakow*). A former capital of Poland, Krakow is still one of its most important urban centres with a population of 800 000, including 70,000 students, and its social, economic and cultural significance being more than just regional. There are 11 universities here, including the Jagiellonian University - founded in 1364, being the oldest in Poland and the second oldest in Central Europe (see <http://www.uj.edu.pl>). Krakow is the seat of a branch of the Polish Academy of Sciences. The Jagiellonian Library is one of the best and most famous in Poland. Krakow's theatres, especially "Teatr Stary" (The Old Theater) and "Tadeusz Kantor Theatre - Cricot 2" are greatly admired in Poland and beyond. Krakow has 11 other theatres, a philharmonic orchestra, dozens of art galleries and about 50 museums. The most celebrated feature of historic and contemporary Krakow is its Main Market Square – one of the largest in Europe. Krakow's surroundings are also stunning and worthy of visit. At Wieliczka, not far from the city, is one of Europe's oldest salt mines (see *Visit to Wieliczka*), and each of the Ojców, Pieniny and Tatra National Parks is worth a daytime visit (see *Mid Symposium Excursions*).

Invitation to participate in the Trade Exhibition

A small number of trade exhibits will be encouraged. If you are interested in taking part in the exhibition, which is open both to commercial and non-for-profit organizations, contact the SEFS4 secretariat for further details, preferably before 1st July, 2005 to have the Company Name included in the Symposium printed materials (*Programme* and *Book of Abstracts*).

Excursions & sightseeing***Mid-Symposium Excursions***

Choice 1. Pieniny & Tatra National Parks

The Pieniny National Park on the Northern, Polish shore of Dunajec River, and the Slovak National Natural Reserve on its southern bank, was the first area in Europe to be established as an International Landscape Park (founded in August 1932). This area has a rich treasure of historical and folk artistic heritage as well as distinctive folklore and architecture. It is also exceptional in its memorable scenery, rocky ridges and rich flora and fauna. A truly unique natural feature of the Park is the Dunajec Gorge, not one of the largest but one of the most beautiful in Europe. Rafting down the Gorge is a major tourist attraction. The trip starts at the raft wharf in Sromowce-Katy and ends in Szczawnica. There are 250 rafts in operation, each taking 10 passengers and steered by two local raftmen. A silent 2-3 hours run reveals many wonders of this undisturbed habitat and offers a chance to see many mammals and birds, including such rarities as the black stork. Two picturesque castles at Czorsztyn (ruins) and Niedzica, embedded into a mosaics of woods and fields, add to the charm of the area.

Tatra National Park was established in the Tatra Mountains, one of the four areas of Poland listed as World Biosphere Reserves. The Tatra alpine granite formation is the highest part of the Carpathian Mountains bordering Poland and Slovakia. The tourist centre in Zakopane on the Park's border and small villages in its neighbourhood are famous for their highlander folklore, including original costumes, wooden architecture and music.

Choice 2. Auschwitz Death Camp and Ojców National Park

KL Auschwitz Death Camp in Oswiecim, merely an hour's drive from Krakow, was the Nazi Second World War installation where about one million men, women and children perished between June 1941 and January 1945. From 1979, Auschwitz concentration camp and the Birkenau death camp were entered on the UNESCO list of World Heritage sites.

Ojcow National Park is the smallest national park of Poland, but it ranks among the most attractive recreational areas in Europe. It is very close to Krakow - just a 15-minute drive. Only a few national parks in the world can boast so many picturesque and worthy architectural monuments as those in Ojcow. The most scenic landscapes are those with a variety of peculiarly-shaped limestone rocks, some as tall as 50 m. One of these, the park's trademark, is a 25 m tall 'Hercules' Bludgeon'. There are also some 220 caves, often easily accessible, which prove to be a magnet for many. Also worth seeing is the 14th century *Pieskowa Skala Castle*, called 'a pearl of the Polish Renaissance'.

Sightseeing Krakow

1. The Old Town: Main Market Square, Mariacki (St. Mary's) Church, Jagiellonian University - the Collegium Maius: The Main Market Square - The City's Heart - is the largest medieval town square in Europe. The centrally positioned Cloth Hall, a construction from the turn of the 12th century, was originally designed as a centre for the cloth trade. Today, the ground floor continues to be a trading centre for crafts and souvenirs, while the upper floor is a Gallery of 19th Century Polish Painting. Mariacki (St. Mary's) Church is a Gothic building with six interior chapels, an octagonal presbytery and two towers, and with a beautiful wooden altar made by Wit Stwosz in the second half of the XV century – one of the biggest altars in Europe. Every hour, the *hejnal* (bugle-call) is played from the higher tower in order to commemorate the destruction of the city during the 13th century Tatar raids. After listening to the *hejnal* melody breaking off abruptly in midbar, one can never forget the town's special ambience. The Collegium Maius of Jagiellonian University is the Oldest Gothic edifice of the University. It came into being through the connection of a few buildings bought from Queen Jadwiga's foundation, appropriate for teaching and as a residence. At present, Collegium Maius is a Museum of the History of the Jagiellonian University with a very interesting

collection, and the representative room of the University. Noteworthy also is a student's book from the University with an inscription by Mikołaj Kopernik from 1491.

2. *Royal Castle Wawel:* Many years ago, this was the abode of Polish Princes and Kings. During the reign of Sigismund the Old, the Wawel had its "Golden Age". In this time there were outstanding Italian sculptors, painters and decorators who left their best works of art here. At present in the former King's palace there is a museum called: "The State Collection of Arts in the Wawel". It is one of the most beautiful museums in Poland.

3. *Kazimierz – a Jewish quarter:* Dotted with old buildings which give a special ambience to the area, Kazimierz was the home of the larger part of the Jewish population of Kraków until 1939. Here, we find the famous Remuh Synagogue and the Alte Schule, Poland's oldest synagogue, today an important museum of the district. In the labyrinth of the narrow streets of Kazimierz, you can travel into the distant world of the fascinating culture that once-existed there.

Booking

Further information on the excursions, including prices, will be given in the 3rd Circular.

Visit to the Wieliczka Salt Mine

(on the way to the Friday symposium dinner)

Wieliczka Salt Mine, though not as old, is no less magnificent than the tombs in the Valley of Kings in Egypt. Every year thousands of visitors come here to explore the subterranean world of labyrinthine passages, giant caverns, underground lakes and chapels with sculptures in crystalline salt and rich ornamentation carved in the salt rock. The Wieliczka Salt Mine has been worked for 900 years. The oldest known shaft, which was begun to mine rock-salt, was built in the second half of the 13th century. Since the mid-18th century Wieliczka salt mine has become a tourist attraction. The tourist route starts at a depth of 64 m, and ends 135 m below the earth surface, where the world's biggest museum of mining is located with unique centuries-old equipment among its exhibits. Still further below, some 210 m deep, there is a sanatorium for those suffering from asthma and allergies. In 1978 the Wieliczka Salt Mine was entered by UNESCO onto the first list of World Heritage sites. The cost of this visit is included in the registration fee.

A visit to Warsaw

You might consider an option to book a return flight to Warsaw, arriving in Warsaw early on Sunday 21 August, taking an Intercity to Krakow, returning from Krakow back to Warsaw on Saturday 27 August and to stay overnight to return home on Sunday 28 August. If you wish to do this, the SEFS4 secretariat will be pleased to help you make the necessary reservations. Warsaw, Poland's capital, is the biggest city and principal business centre. Mushrooming corporate towers make Warsaw nowadays the second busiest construction site in Central Europe, after Berlin. Since the Nazis razed it methodically after the fall of the 1944 Rising, downtown Warsaw lacks historical monuments and its landmarks are of either postwar construction or reconstruction. The Old Town and the Royal Castle were reconstructed in 1949-1963 with the aim of restoring the best architecture from the 17th and 18th centuries, and most visitors find the result enchanting. The historical district surrounds an atmospheric central square with open-air cafés and art stalls. The Royal Castle on the perimeter of the Old Town was rebuilt from its foundations in the years 1971-1980. The massive edifice has taken the shape of the former residence of both Poland's elected monarchs and its powerful

parliaments acquired in the late 18th-century refurbishment. The state halls and royal apartments have been meticulously redone and, filled with period furniture and art, opened to the public. The Royal Route, running from the Royal Castle south to the last Polish monarch's summer residence in Lazienki Palace, is lined with churches, palaces, museums, galleries and government buildings. Farther south, on an island in the vast Lazienki Park, is the 18th-century exquisite Classic *Palace on the Water*. Still further south is another and older royal summer residence amid fine parkland – the 17th-century Versailles-like Baroque Wilanow Palace.

SEFS4 Organizing Committee

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Contact for all enquiries

Always check updated information online at:

<http://www.sefs4.pan.krakow.pl>

Please be sure to specify that you are inquiring about 4th Symposium for European Freshwater Sciences and include your complete mailing address and phone/fax/e mail information.

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