



EUROPEAN FEDERATION OF  
BIOTECHNOLOGY

## *Section on Biochemical Engineering Science*

### **AGENDA**

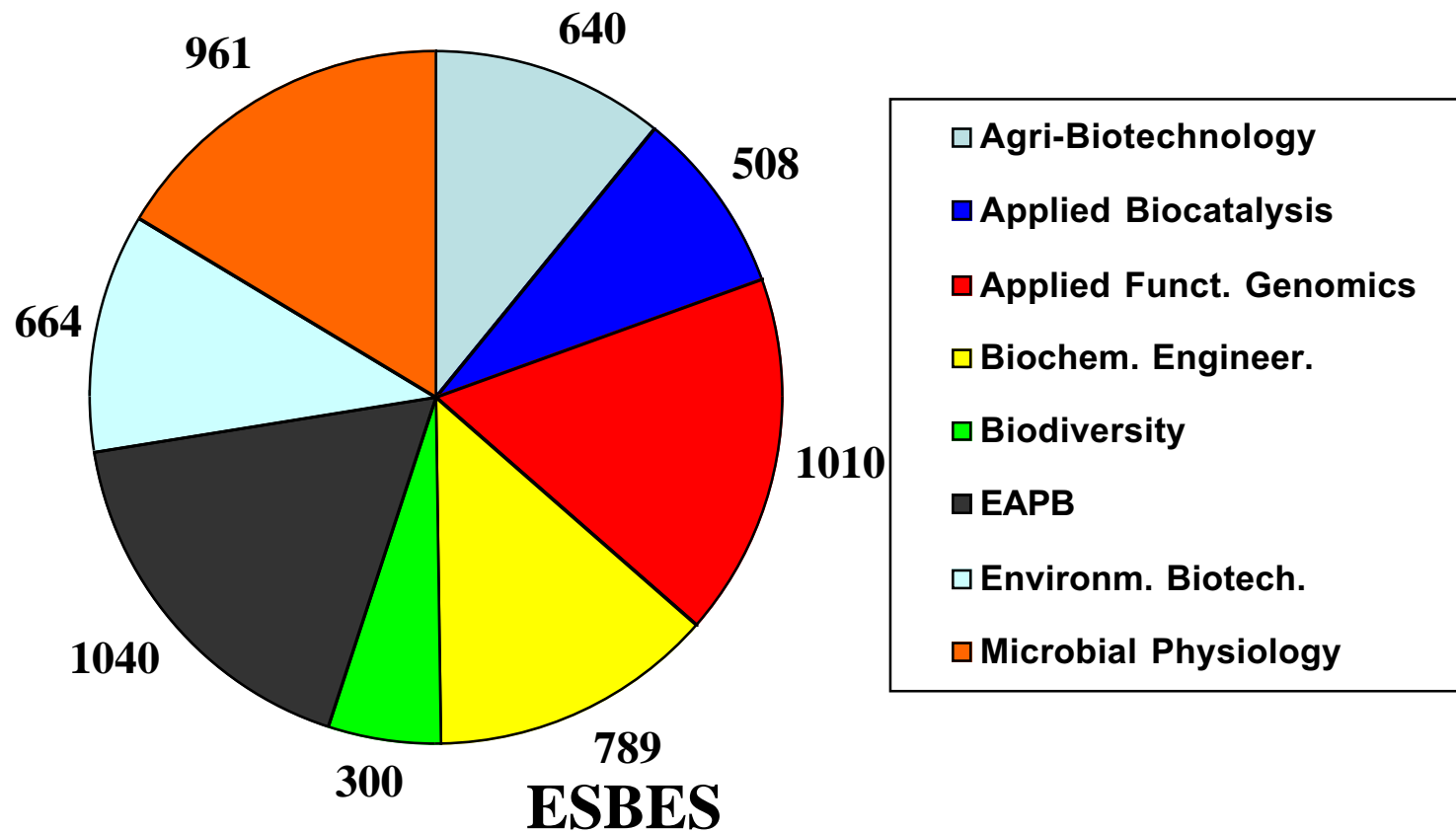
8th Section Meeting: August 27, 2003, 13:30-14:30

1. Opening of the meeting and introduction
2. Working group activities
  - Downstream processing (Jungbauer)
  - M3C (Sonnleitner)
  - Bioreactor performance (Lübbert)
  - Biotransformation (Cabral)
3. Report from the EFB Executive Board
4. Minutes from the 7th Section Meeting in Delft 2003-08-29.
5. Result of the complementary Board election in June 2003.
6. Evaluations of
  - ESBES-4 in Delft 2002
  - Int. Conf. on Trends in Monitoring and Control of Life Science Appl. Oct, 2002
7. ESBES-5 in Stuttgart, September 2004
8. The Bioreactor Engineering Course in Brac, Croatia, September 2003
9. The ESBES Award program
10. Bid for ESBES-6 2006
11. Next Section meeting: Stuttgart (ESBES-5), Thursday, Sept 9, 2004
12. Any other business
13. Closing of the meeting



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# EFB Sections

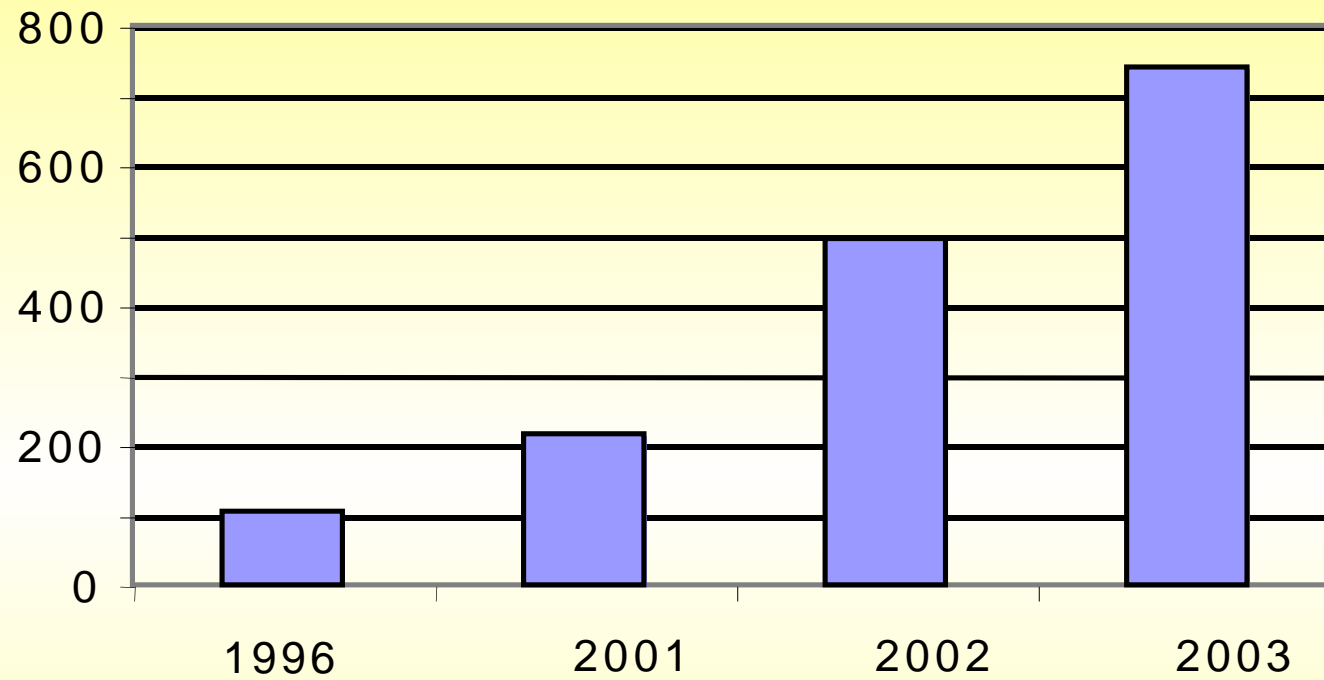




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## *Section on Biochemical Engineering Science*

Members 1996-2003





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## *Section on Biochemical Engineering Science*

*Annual activity report: August 2003*

Established 1996

Members: 780

### **European Symposium on Biochemical Engineering Science (3 days)**

ESBES-1, Dublin 1996	161 participants
ESBES-2, Porto 1998	235 participants
ESBES-3, Copenhagen 2000	340 participants
ESBES-4, Delft 2002	265 participants

**ESBES-5, Stuttgart Sept. 8-11, 2004**

**Malcolm D Lilly Award** (EURO 4500) Merck & Co sponsored  
awarded to young scientist for best presentation during an ESBES symposium.

**Novo Nordisk Engineering Design Award.**



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## *Section on Biochemical Engineering Science*

*Working Group activities, excl. business meetings*

- ***Bioreactor Performance*** (Andreas Lübbert)

**Bioprocess Engineering Course (biannual): Brac, Croatia Sept 7-8, 2003**

- ***Downstream Processing*** (Alois Jungbauer)

Courses on Chromatography: Summer course in Vienna, June 30-July 7, 2002

Process Proteomics, Veyrier du Lac/F, Sept. 25-26, 2002

Miniaturisation techniques in development and validation of processes for  
manufacture of advanced biopharmaceuticals, London, April 7-8, 2003

- ***M<sup>3</sup>C, Measurement, Monitoring, Modelling and Control*** (Bernhard Sonnleitner)

International Conference on Trends in Monitoring and Control of Life Science  
Applications, Lyngby, October 7-8, 2002

- ***Biotransformation*** (Joachim Cabral) Joint programmes with ESAB

Biotrans '03, Jun28-July 3, 2004, Olomouc, Czech Republic

**6th Symp. Biocatalyst Stabilization, Sept/Oct 2004, Bratislava, Slovakia**

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**ESBES-5: 5th Europ.Symp. Biochem. Eng. Science, Stuttgart 8-11 Sept. 2004.**



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## *Section on Biochemical Engineering Science*

*Additional activities 2003*

*Position paper on Biochemical Engineering Science*

*Guidelines for Working Groups*

*Textbook: Separation Processes (P. Kieran, ed)*

*ESBES-5: Planning*

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*Info & registration:*

[www.biotech.kth.se/esbes](http://www.biotech.kth.se/esbes)



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## *Section on Biochemical Engineering Science*

### ESBES Board

Board members serve a period of three years, after which they can be re-elected for a second three-year period.

Joachim Cabral/ Lisboa	11-07-1999
S.O. Enfors/ Stockholm (chair)	11-07-1999
Patricia Kieran/Dublin	11-07-1999
Carl-Fredrik Mandenius/ Linköping	11-07-1999
Mattias Reuss/ Stuttgart	11-07-1999
Juan Lema/Santiago de Compostela	28-08-2002
Gerhard Goma/ Toulouse	28-08-2002
Marin Berovic/ Ljubljana	15-06-2003
Parviz Shamlou/ London	15-06-2003



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## *Section on Biochemical Engineering Science*

### Economy

<b>INCOME</b>	<b>EURO</b>	<b>Balance</b>	<b>Expenditure</b>	<b>EURO</b>
<b>TOTAL 01-07-2001</b>	<b>63651</b>	<b>48496</b>		<b>15155</b>
<b>Transfers July 2001 - August 2003</b>				
			Board meeting Madrid 01 (room&service)	<b>278</b>
Merck 3rd payment	5000		Lilly Award 2002	5000
ESBES-4 -02	0			0
M3C conference	0		Guarantee	<b>5000</b>
<b>Total 2001-2003</b>	<b>5000</b>	<b>43218</b>		<b>10278</b>
<b>Committments</b>				
ESBES-5 guarantee				<b>10000</b>
Merck 2004	5000		Lilly Award ESBES-5	5000

# ESBES-6: 2006

The bid is open to host ESBES 6 in 2006

*The symposium should be organised in close cooperation with an EFB institution active in the hosting country*

## **Documents required:**

- Outline of structure: Symposia, workshops, posters, publications, social activities, EFB business meetings etc
- Preliminary topics for sessions
- Org. Committee key persons
- Timeplan with preliminary deadlines
- Budget and principles for sponsoring of invited persons
- Symposium facilities ( rooms for lectures, posters business meetings, coffe, lunch, transportations, hotels)

Application to: Sven-Olof Enfors, Dept. of Biotechnology,  
KTH, Roslagstullsbacken 21, S-10691 Stockholm, Sweden

Deadline: **December 15, 2004**