

# Introduction

**Rafiqul Gani**  
**President, EFCE**





# Qualifications

## Educational

- **BSc-Chem Eng (BUET, Dhaka, 1975)**
- **MSc-Chem Eng, DIC (Imperial College, London, 1977)**
- **PhD (Imperial College, 1980)**

## Other

- **Fellow-AIChE (2008)**
- **Fellow-ICHEME (2009)**
- **Member of the Danish Academy of Science (2010)**
- **Sargent Lecturer – Imperial College (2007); Bayer Lecturer – Carnegie-Mellon Univ (2013); ORYX-GTL Lecturer – Texas A & M Univ in Qatar (2013)**



## Positions Held

### Employment

- **Senior Researcher/Assistant Professor, PLAPIQUI, Universidad del Sur, Bahia Blanca (1980-1985)**
- **Visiting Researcher, DTU, Lyngby (1985-1986)**
- **Assistant Professor, Associate Professor, Professor, DTU, Lyngby (1986-present)**
- **Co-founder and head of CAPEC, DTU, Lyngby (1997-present)**

### Other

- **Editor (2006-2009), Editor-in-Chief (2009-present): Computers & Chemical Engineering**
- **Co-editor, Elsevier book series on Computer Aided Chemical Engineering (2001 – present)**
- **Advisory Board Member of several journals**



# Experience

## EFCE

- **Delegate, CAPE-WP (1990)**
- **Chairman, CAPE-WP (2001 - 2007)**
- **Executive Board Member (2008 – 2013)**
- **Scientific Vice President (2012 – 2013)**
- **President (2014 – 2016)**

## Other related activities

- **Organizer of ESCAPE-1 (1992) and ESCAPE-11 (2001) events in DK**
- **Organizer of ECCE-6 (2007) in Copenhagen**
- **Organizer of special sessions at AIChE Annual Meetings, CAChE events (FOCAPD)**
- **Member of the Board of Trustees: CAChE Corp (2011-2013); AIChE (2010-2013)**



# Research

## Interests

**Multiscale modeling for managing the complexity in process-product design; Sustainable process design and analysis, including process intensification; Computer aided product (molecule and formulation) design; Development of systematic computer aided methods & tools; Development of predictive models for estimation of properties of chemical systems.**

## Other related information

- **Number of PhD-students graduated - 47; currently supervised - 18**
- **Number of peer-reviewed journal publications – 200; edited books - 5; chapters in other books – 27; reviewed conference papers - 150**
- **H-index in ISI – 29; SCOPUS - 31; Google Scholar - 40**

# Mission of EFCE

**Professor Mike Considine**  
**Executive Vice President**



# Introduction



**Professor Mike Considine, BSc, PhD,  
FIChemE, CEng**

## Current Position

- Professor of Process Safety and Loss Prevention, Chemical and Biological Engineering Department, University of Sheffield.
- Managing Director of ChemRisk Ltd, Process Safety Consultancy



# Key Skills and Experience



- World recognised expert in process safety and loss prevention, with more than 30 years experience in the chemical, nuclear, regulatory, insurance and oil and gas sectors. Organiser and presenter at numerous seminars and conferences and recipient of a number of professional awards.
- Well connected within the process safety and loss prevention community with linkages with academia, industry and regulators via professional institutions and industry bodies. International experience of leading and working with professional and industry bodies. Experience of developing and working with internal networks within large global organisations.
- Broad international experience, covering most parts of the world and working with professional engineers from many different backgrounds and cultures.
- Former head of a corporate team in a major oil company responsible for setting major hazards policy.
- Broad knowledge of the organisational and operational aspects of major companies and experience of dealing with people at all levels up to CEO. Current advisor on process safety to the SHE board sub committee of National Grid.
- Extensive experience of the development and delivery of process safety training courses around the world.
- Director of the MSc course in Process Safety and Loss Prevention at Sheffield University



# Professional Activities



- Secretary of the European Federation of Chemical Engineers Loss Prevention Working Party since 1998.
- Member of the I Chem E Safety and Loss Prevention Subject Group and chairman from 1998-2012.
- Trustee of the Hazards Forum 2005-2011 and appointed life member in 2011.
- Past member of the Advisory Committee on Dangerous Substances.
- Participated in numerous industry and governmental working groups including:
  - CCPS – Risk Tolerability Working Group
  - CONCAWE – Chaired Land Use Planning Working Group
  - Global Benchmarking Group – Lessons Learned Working Group
  - ACDS – Risks Associated with the Transport of Dangerous Goods
  - HSE - WG on applicability of Pipeline Safety Regulations to gasoline pipelines
  - LPGas Association – Major Hazards Working Group
- Member of the Scientific Committee for the last five European Loss Prevention Symposia, responsible for selection and review of conference papers. Chaired the organising committee for the Edinburgh 2007 Loss Prevention Symposium.
- Author of numerous papers and presenter at international events on Major Hazard management.
- Winner of a number of awards including
  - Two BP Chairman’s Awards in 1996 for studies relating to risk management of shipping operations in the US and LPG distribution operations.
  - Three I Chem E Medals - Junior Moulton Medal in 1982, I Chem E Franklin Medal in 2007 and Arnold Green medal in 2011

# The mission of the EFCE

The European Federation of Chemical Engineering will...

1. Serve the European Chemical Engineering Community

- By providing a platform for views and opinions and identifying opportunities for its voice to be heard

2. Support Chemical Engineers within EFCE Member Societies

- Working Parties and Sections
- Conferences and Seminars
- Newsletters, Website and e-bulletins

3. Support the Education and Training of Chemical Engineers within Europe

- Active Education Working Party
- EFCE Journals
- Input Into Development of Curricula
- Training
- Bursaries

4. Influence Decision Makers and Opinion Formers on Matters of Importance to Chemical Engineers

- By Helping to Shape European Policy
- Promoting Public Understanding of Science
- Contributing to European R&D Programmes
- Fostering Academic/Industry Links

5. Initiate Collaborations in Support of Common Goals and for the Advancement of Science and Technology

- Proactive Horizon Scanning and Topic Spotting
- Bringing People Together via Respected European Technical Networks

EFCE will help European society to meet its needs through highlighting the role of Chemical Engineering in delivering sustainable processes and products



# How to achieve this?

Appendix 2 (continued)



- The Working Parties & Sections
- The EFCE member societies
- The EFCE secretariats
- The EFCE executive board members



# What Does EFCE Do Now?

- Encourage industry-academia interactions
- Promote and develop the topic and serve the topical community within chemical engineering
- Provide a forum for discussion, exchange, collaboration, ....
- Influence decision makers
- Contribute to education, training of engineers & researchers on the topic
- .....

- Collaboration in the form of research projects, publications, industry-academia, ....
- Organization of conferences, topical workshops, meeting of delegates, ....
- Recognition of achievements through awards
- Education of engineers, general public, ....

**How Could It Do These Better?  
What Else Should it Do?**



European Federation of Chemical Engineering  
Europäische Föderation für Chemie-Ingenieur-Wesen  
Fédération Européenne de Génie Chimique

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EXTRAORDINARY GENERAL ASSEMBLY

## Introduction: EFCE Scientific Vice President

Dechema, Frankfurt

*Prof. Jean-Marc Le Lann*

*02/03/14*



# Short CV presentation

- Currently acting(2006-2011/2011- ) as **Dean** of “Ecole Nationale des ingénieurs en Arts Chimiques et Technologiques” (INP-ENSIACET, Toulouse)
- **Full professor(Exceptional Class)** at INP-ENSIACET ( 1983- )  
Lecturer/Senior Lecturer at UST Kumasi, Ghana (1980- 1983)
- **Academic Qualifications**
  - INP, Toulouse, France Chemical Engineering Doctor Engineer, 1983
  - INP, Toulouse, France Chemical Eng.(PSE) Habilitation, 1999
- Chemical Engineering (**ChE**) background with **PSE** evolution up to Industrial Systems Engineering (**IE**)
- **Focused Research Areas** (Chemical Engineering research Laboratory, LGC, UMR CNRS, DR B. Biscans): Thermodynamics(ChE), Hybrid Dynamic Systems(DAE, Batch processes, Dynamic simulator), Management of Technological Innovation(IE)  
**Publication record:** 5 Habilitation Diploma(HDR), 45 PhD thesis, 2 Monographies, more than 210 International Publications and communications



# Short CV presentation

## Synergistic activities

- Member of Scientific Committee for conferences (1989- ): ESCAPE, PSE, IE series, evaluator of Academic position,.....
- External Examiner: MSc degrees, IC London UK (2002-2005)
- Member of AITRIZ(2001- )
- Member of the Board at Conference of Major french schools(CGÉ) (2008-2010, 2013- )
- Member of the Scientific Committee at ANR(French National Research Agency) (2009- )
- President of the Industrial Engineering Academic Society (2003-2009)
- President of Federation Gay-Lussac (2010-2012/2012- )
  - Member of the National Chemistry Committee (French Academy of Sciences)
  - Member of the Committee Ambition for Chemistry (CAC)
  - Member of The French Federation in Chemistry and Chemical sciences(FFSC)
- President of the Commission "Evaluation and Implementation of Diploma abroad" at Campus France (2012- )
- Permanent Guest of the EFCE WP CAPE (1987- )
- Member of the EFCE WP Education (2005- )
- EFCE Scientific Vice president



# EFCE Scientific VP vision

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- To work very closely with EFCE officers and EFCE Board members to promote EFCE at the European level using EFCE SC as a lever arm
- To give to WP & Sections more recognition and help from EFCE top management on order they feel real proactive partners
- To have EFCE young scientists more involved, invited to some committees, better publicize their work via EFCE web , ...
- To have more professionals in EFCE scientific bodies by promoting work of EFCE SC, WP and sections
- To implement new WP & sections as needed and promote new activities of major interest with a societal point of view
- To recognize Innovation involving Entrepreneurship as major track for progress



**Thanking you for your attention**







**EFCE** **60 YEARS** 1953-2013

European Federation of Chemical Engineering  
Europäische Föderation für Chemie-Ingenieur-Wesen  
Fédération Européenne de Génie Chimique

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**End**

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EFCE

European Federation of Chemical Engineering  
Europäische Föderation für Chemie-Ingenieur-Wesen  
Fédération Européenne de Génie Chimique

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GENERAL ASSEMBLY 3 FEBRUARY 2014

## A new constitution for EFCE

Frankfurt

*David Brown*

# Why do we need a new Constitution?

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- At present, EFCE is an informal association with no legal status of its own
- Any liabilities it incurs would be passed on to the members of the Executive Board or the individual Member Societies

BUT

- Tighter banking regulations following the financial crisis mean that for EFCE to continue to have its own banking arrangements, it needs to adopt a formal legal status



# What we need to do

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- EFCE is arranging to set up a 'new EFCE' to comply with the new requirements
- It will be a 'Charitable Incorporated Organisation' (CIO). This is a new structure that is simple to administer
- It will be incorporated under UK law, because the banking is done in the UK by IChemE staff
- The new CIO will also protect Executive Board members and societies from personal liability



# What is being done

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- As a CIO, the ‘new EFCE’ has to have a constitution in a prescribed legal format
- Our lawyers have prepared one that allows the routine operation of EFCE to proceed in essentially the same way as now
- The Executive Board members will become the Trustees of the ‘new EFCE’.
- This gives them some legal responsibilities which will be explained to them

# Next steps

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- General Assembly receives the proposed new Constitution – any questions to Prof. Gani by 7 March
- Constitution (with any revisions) is approved by the Management Committee and then the Executive Board
- Approval by General Assembly (Prague)
- ‘New EFCE’ is officially registered
- The existing Executive Board and EFCE assets transfer to the new EFCE



**EFCE** **60 YEARS** 1953-2013

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Europäische Föderation für Chemie-Ingenieur-Wesen  
Fédération Européenne de Génie Chimique

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**End**

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## CIO Constitution

Next steps:

1. Presentation of the constitution document (David Brown) - we will take a few questions but ask the participants to send their questions comments to RG (I will make sure they receive a response) - deadline for sending the comments/questions is 7 March.
2. A revised document is prepared (by IChemE - hopefully no major revision would be required) and approved by the management board (at a physical meeting or video conference) and then executive board (at a physical meeting or video conference - 4 April). At this point, the constitution document is ready for approval by the member societies (at a GA in August in Prague or Electronic balloting).
3. Once the constitution is approved, IChemE will start the application process, which ends with the registration of the EFCE as a Charity with an approved constitution. During the period from 2 to the end of 3, the current officers (president, vice presidents, executive board members) will function as provisional officers until a formal election can take place (see the list of officers document).
4. A date for the first GA will be set and at this new GA, the new officers including members for the board of trustees will be elected. There will be 6 elected members from academia and 6 elected members from industry and upto 2 co-opted members by the president.

It is difficult to give exact time-tables since the dates for 2 and 3 will define the date for 4.



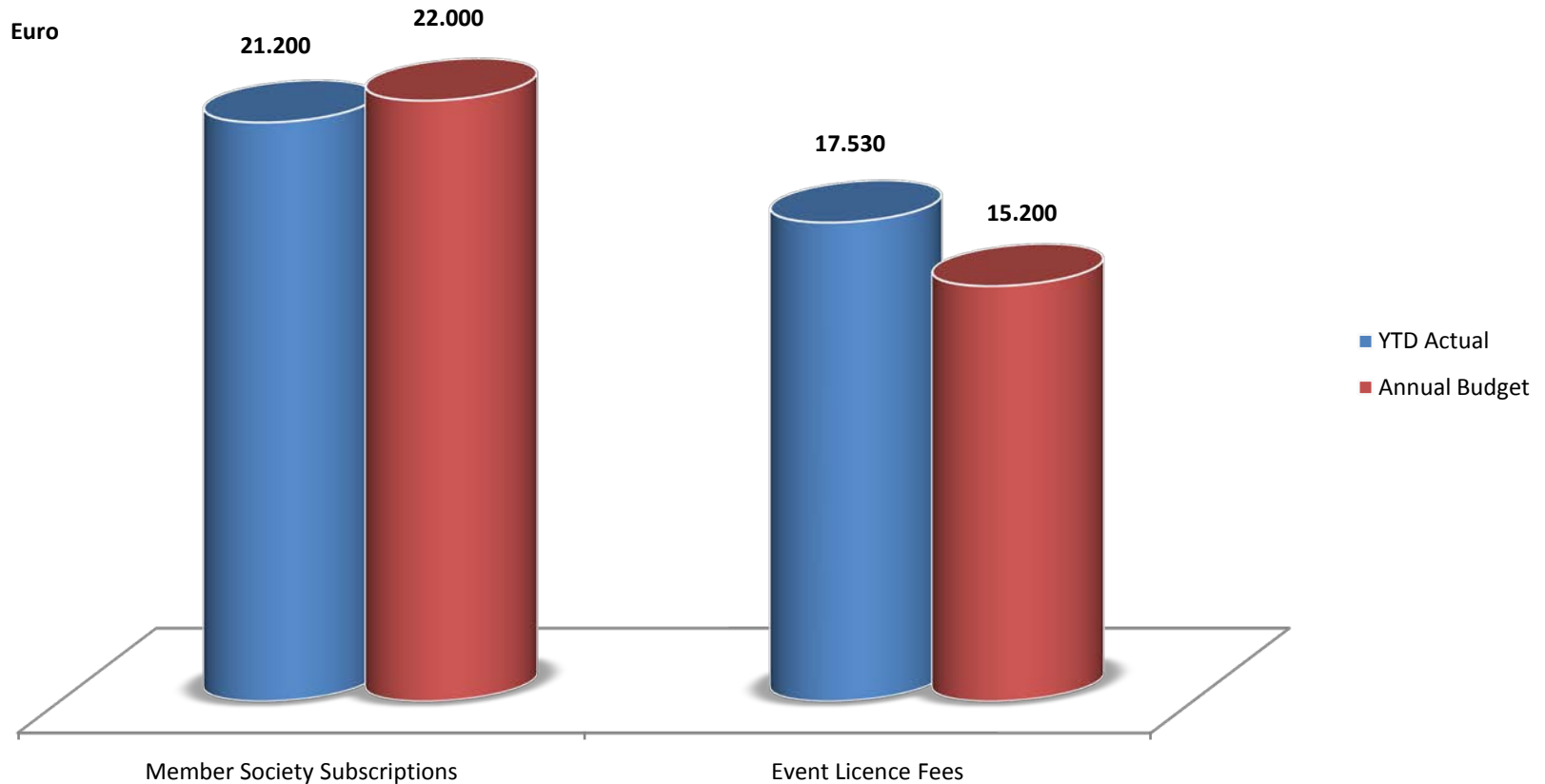


**EFCE** **60 YEARS 1953-2013**

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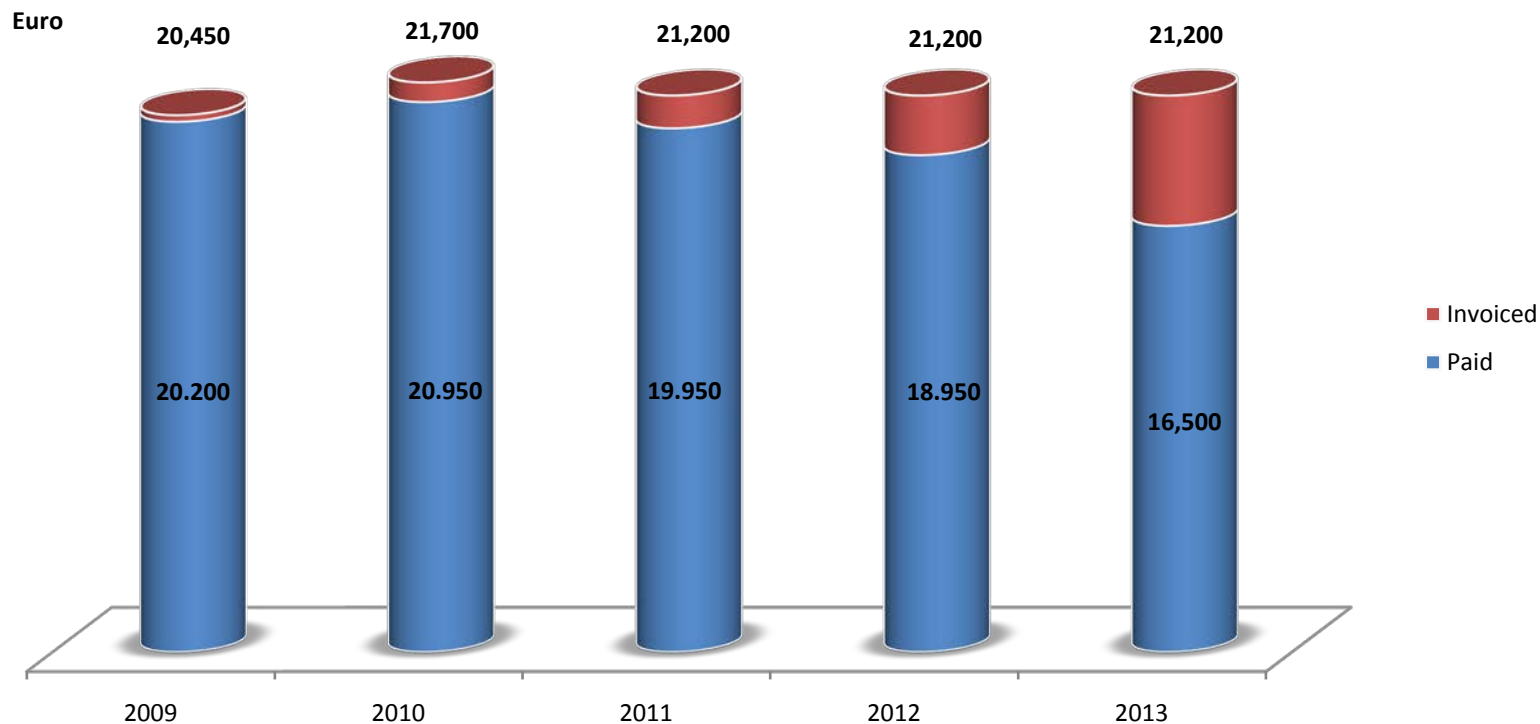
# **EFCE Financial Report December 2013**

## 1. Income against 2013 budget



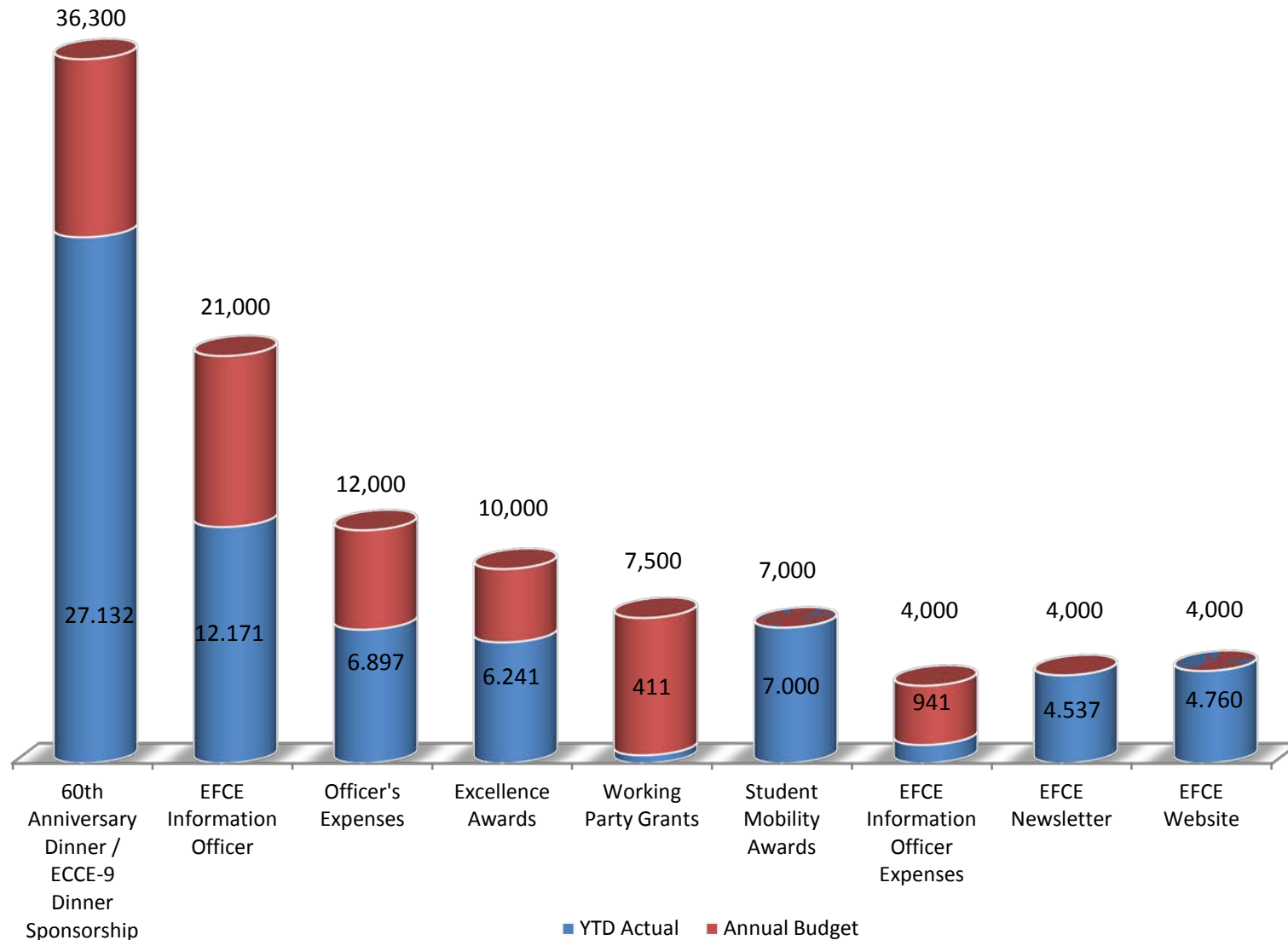
- Member society subscriptions for 2013 includes €4,200 subscription debtors
- Event licence fees includes additional income from a 2012 event invoiced in 2013

## 2. Member Society Income



- As at 31 December 2013 we have received 76% of subscription fees for 2013
- A further €4,500 is currently outstanding from previous years but has been accounted for as a potential bad debt

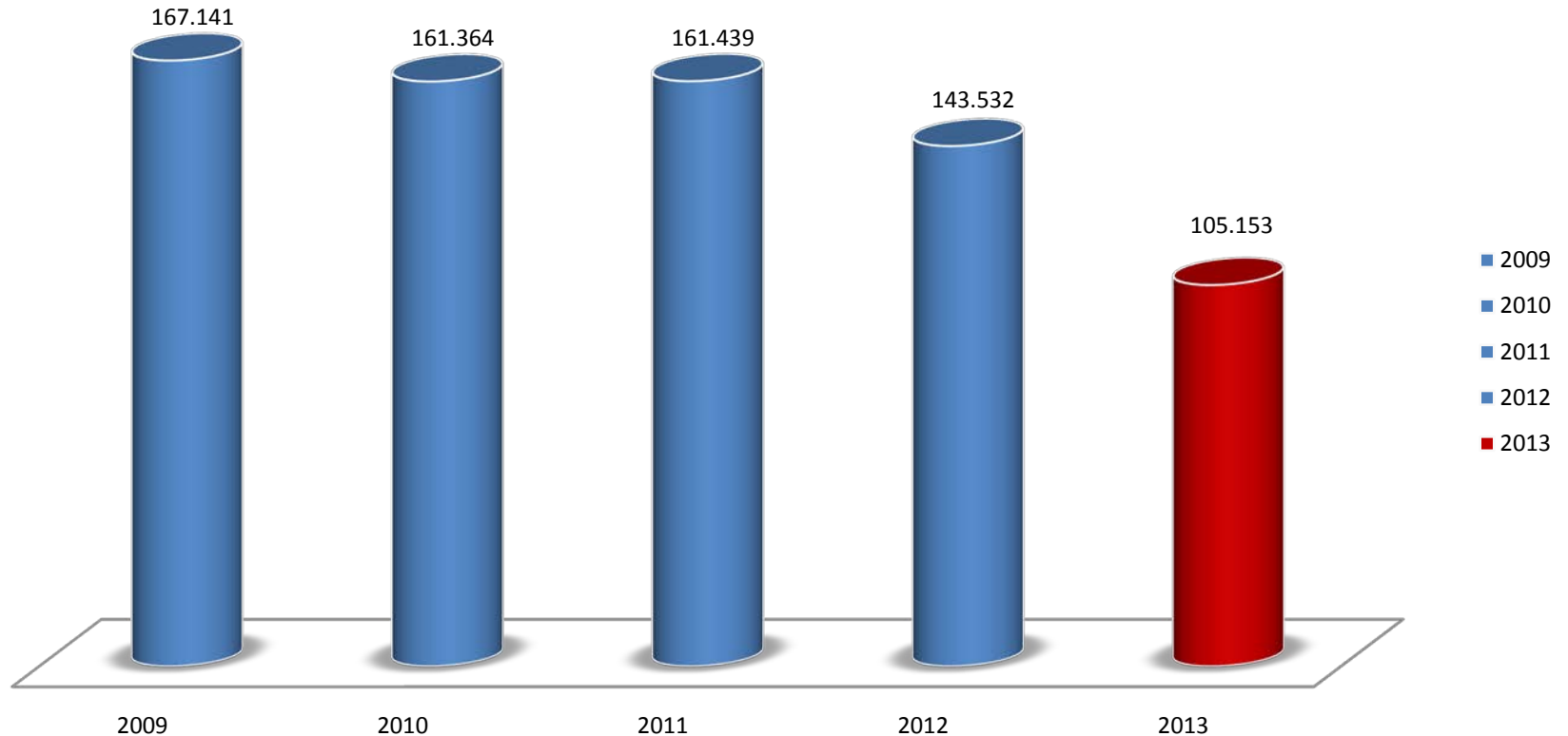
### 3. Expenditure against 2013 Budget



<b>Statement of Financial Activities</b>	<b>2013</b>	<b>2013</b>	<b>2012</b>
<b>as at 31 December 2013</b>	<b>Actual</b>	<b>Budget</b>	<b>Actual</b>
<b>INCOME</b>			
Licence fee from EFCE Events	17,530	15,200	13,890
Member Society Subscriptions	21,200	22,000	21,200
<b>Total</b>	<b>38,730</b>	<b>37,200</b>	<b>35,090</b>
<b>EXPENDITURE</b>			
EFCE Newsletter & Journal News Pages	(4,537)	(4,000)	(4,003)
Bank Charges	(785)	(800)	(726)
Excellence Awards	(6,241)	(10,000)	(8,649)
Officer's Expenses	(6,897)	(12,000)	(11,718)
Sundries	(2,984)	(2,500)	(6,229)
Student Mobility Awards	(7,000)	(7,000)	0
Working Party Grants	(411)	(7,500)	(3,448)
60th Anniversary Dinner / ECCE-9 Dinner Sponsorship	(27,132)	(36,300)	0
60th Anniversary Poster Prize	(1,000)	(1,000)	0
EFCE Website	(4,760)	(4,000)	0
EFCE Information Officer Direct Costs	(941)	(4,000)	(2,430)
EFCE Information Officer Staff Costs	(10,704)	(21,000)	(12,618)
Bad Debt Provision	(2,250)	(2,000)	(2,250)
<b>Total</b>	<b>(77,109)</b>	<b>(112,100)</b>	<b>(52,072)</b>
<b>Net Surplus to Reserves</b>	<b>(38,379)</b>	<b>(74,900)</b>	<b>(16,982)</b>

<b>Balance Sheet as at 31 December 2013</b>	<b>2013</b>	<b>2012</b>
<b>CURRENT ASSETS</b>		
Cash at bank	108,220	152,577
Debtors	10,192	10,000
<b>Total</b>	<b>118,413</b>	<b>162,577</b>
<b>CURRENT LIABILITIES</b>		
Purchase ledger reserves	(8,760)	(14,795)
Provision for bad debts	(4,500)	(2,250)
Subscription creditors	0	(2,000)
<b>Total</b>	<b>(13,260)</b>	<b>(19,045)</b>
<b>Net Current Assets</b>	<b>105,153</b>	<b>143,532</b>
<b>ACCUMULATED FUND</b>		
Opening reserves as at 1 January 2013	143,532	160,514
Net surplus / (deficit) for the period	(38,379)	(16,982)
<b>Closing reserves as at 31 December 2013</b>	<b>105,153</b>	<b>143,532</b>

## 5. Closing Reserve Fund Balance



- The EFCE reserve position will be reduced to €100,000 as a result of 60<sup>th</sup> Anniversary activity and costs associated with the Information Officer



## PROGRESS REPORT - 3

January 28<sup>th</sup> 2013

### 1- NEWSLETTER3/COMMUNICATION

- N°2 - focus on EFCE and best wishes – send on 20 December
- N°3 – Focus on ESBES – in preparation – to be send in March
- Research of contacts in Europe (to increase the mailing list)

### 2 – SPONSORSHIP/EXHIBITION

- research of the next exhibitions or congresses (GL)
- research of clusters
- special proposal for Clusters and professional or research association in the sponsorship and exhibition book

### 3 – ACROPOLIS/LOGISTICS

- rooms : tool to manage the rooms according to their size, the number of parallel sessions, the specific events (student day, ...) and the timetable of the congress
- drawing for the placement of the pannels for posters in the exhibition space
- plenary lecture in 'live' with Australia
  - it seems possible – interaction with Twitter
  - need to increase the number of connections – actually limited to 100.
  - Acropolis ( technical part) in contact with Australia
  - cost to be estimated
- gala diner
  - search of a location (carrying on)

### 4 – SCIENTIFIC MATTERS

- meeting with the Chairmen of SFGP Working Groups (23 January Paris)
- presentation/discussion with the Chairmen of EFCE Working Parties and Sections (3 February)
  - for workshops and symposium : contact established with person in charge
  - proposal of a list of persons (to be members of the scientific committee) (in progress)
    - proposal of two people (one from SFGP, other external) to be topic managers (in progress)
    - topic and key word lists (in progress)
    - topics / key words / List of committees on web site in March
    - call for paper : opening in April

### 5 – MEETING SFGP/ESBES/EFCE (general organization)

- scheduled on 7 February (videoconference)

**Martine POUX**  
General Coordinator

**Nicolas ROCHE**  
Coordinator



10<sup>th</sup> European Congress of Chemical Engineering  
3<sup>rd</sup> European Congress of Applied Biotechnology  
5<sup>th</sup> European Process Intensification Conference  
*Including 15<sup>th</sup> Congress of the French Society of Chemical Engineering*

# ECCE 10 + ECAB 3 Nice EPIC 5

September 26<sup>th</sup> - October 1<sup>st</sup>, 2015



ORGANISED BY



EFCE



ESBS



SFGRP

SOCIÉTÉ FRANÇAISE DE GÉNIE DES PROCÉDÉS

ORGANISATION SECRETARIAT



PACKAGE  
LINKING TALENTS

# SFGP - French Society of Chemical Engineering

- Created in 1988 by Prof. J. Villermaux from Nancy
- 17 working groups
- 600 members from academia (75%), industry (15%) and equipment manufacturers (10%)
- In 2012, members from industry represent 30 companies (chemicals, petroleum, energy, environment, pharmacy, process safety...)
- Involved with the EFCE for a long time (founder of EFCE)
- EFCE secretariat shared with IChemE and Dechema
- SFGP President: J-Pierre Dal Pont
- SFGP Governing board : composed of 30 members (shared equally between academics and industrialists)



[www.ecce2015.eu](http://www.ecce2015.eu)

# ORGANIZATIONAL CHART ECCE10+ECAB3 EPIC5

**Martine POUX - General coordinator**  
**Nicolas ROCHE - Coordinator**

**Organizing  
committee**

Joelle Aubin  
Denis Bouyer  
Michel Cabassud (EPIC)  
Christophe Dagot  
Franck Delvigne (ECAB)  
Eric Favre  
Philippe Jacques (ECAB)  
Jack Legrand  
Martine Poux  
Nicolas Roche

**Steering  
committee**

JP Dal Pont - SFGP  
R. Gani - EFCE  
G. Ferreira – ESBES  
J. Glassey - ESBES  
D. Brown - EFCE  
W. Meyer - EFCE  
P. Tanguy - WCEC  
M. Poux - ECCE10  
N. Roche - ECCE10  
N. Dupeux – GL Events

**International  
scientific  
committee**

ECCE10 – J.M. Le Lann  
ECAB3 – G. Ferreira  
EPIC5 – J.Brunelle /C. Gourdon

**Finance**

**SYMPOSIUM/ WORKSHOPS**

JP Dal Pont – SFGP  
M. Soulas – GL Events

**General logistics  
Communication**

coordination :  
E. Zerzaihi - GL Events  
com. : M. Poux with EFCE/  
ESBES/SFGP

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« Chemical Engineering and Biochemical Engineering for a new sustainable process industry in Europe »

ECCE10+ECAB3  
EPIC5

Scientific topics

4 KEY SCIENTIFIC TOPICS  
1 GENERAL TOPIC

from key fields identified by economists (environmental preservation, energy conservation, human health protection)

core chemical engineering and biochemical engineering topics

Energy: new and unconventional resources, conservation and management

Water Management and Treatment

Biotechnology and Food

Industrial Ecosystems

EFCE working parties and sections  
ESBES sections  
SFGP working groups

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DRAFT

**WG Particulate Solid**

WP Agglomeration  
 WP Characterisation of particulate Systems  
 WP Comminution and classification  
 WP Crystallization  
 WP Drying  
 WP Mechanics of particulate solids

**WG Life Cycle and material recycle**

Section Sustainability

⇒ *workshop/symposium***WG Education**

WP Education

⇒ *workshop***WG Food and Biotechnology**

Section Food  
 European Society of Biochemical  
 Engineering Science (ESBES)

⇒ *ECAB3***WG Polymer Engineering**

WP Polymer reaction engineering

**WG Process System Engineering**

WP Computer Aided Process Engineering

**WG Product design**

Section Product design and Engineering

**WG Thermodynamics**

WP Thermodynamics and Transport  
 Properties

⇒ *workshop*[www.ecce2015.eu](http://www.ecce2015.eu)



DRAFT

**WG Safety**

**WP Loss prevention and safety promotion**

**WG Reaction Eng. & intensification**

**WP Chemical Reaction Engineering  
WP Process intensification  
WP Mixing  
WP Multiphase flow ?**



*EPIC5*

**WG Separation**

**WP Fluid separation  
Section Membrane Engineering  
WP Multiphase flow ?**



*workshop*

**WG Material engineering**

**WP High pressure technology  
WP Static electricity in industry**

**WG Innovation**

**WG Industrial Systems**

**WG Treatment of waste sludge, contaminated sites**

**WG Water and air treatment**

**WG Energy**



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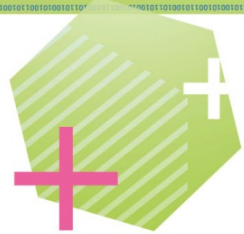
EFCE WP or section	Title	contact	Form/comments
Process intensification	EPIC5	J-Pierre Brunelle Michel Cabassud	Congress in // 2 days
Section on Sustainability	Symposium ? workshop ?	Adiza Azapagic Michael Narodslawsky	2 days event on 1st day and a half : - 2 keynotes (one from academe and another from industry). - a session to showcase the Section's achievements (on 2nd day) - round table discussion called EFCE Future Round Table" (2nd day afternoon)
Education	Workshop	Martin Pitt Rafiq Gani	special "invited" session on education - slot of 150 min (4 invited speakers and the last 30 min would be spent as a panel discussion)
Thermodynamics and transport properties	Workshop	I. Economou Jean-Charles de Hemptinne	- presentation of a major international project (EC FP7 Framework Programme) on CO2 Storage - few technical sessions
Electrochemical Engineering	Workshop	Manuel Rodrigo Alain Bergel Karine Serrano	
CAPE	Session or workshop ?		
New WP Quality by Design	Session or workshop ?		

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ECCE 10+ECAB3

EPIC5

September 26 - October 1<sup>st</sup>, 2015

## Next steps

- + relation between SFGP WG and EFCE WP > **JM. Le Lann**
- + relation with ESBES sections
- + Proposal of a list of persons (to be members of the scientific committee) > end Feb.
- + Proposal of a list of key words
- + Proposal of two people (preferably one from SFGP, other external) to be topic managers





ECCE10+ECAB3

EPIC5

September 26 - October 1<sup>st</sup>, 2015 **Agenda**

- |                                      |                      |
|--------------------------------------|----------------------|
| + proposal for Committees            |                      |
| - acceptance/final list              | -> march 2014        |
| + call for papers                    | april 2014->nov 2014 |
| + abstract acceptance / notification | feb 2015             |
| + full texts                         | april 2015           |
| + full texts acceptance/notification | june 2015            |

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**ECCE 10+ECAB3**  
**EPIC5**  
September 26 - October 1<sup>st</sup>, 2015

*end*

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2<sup>nd</sup>-6<sup>th</sup> October, 2017
 EFCE-Spain Group  
AEIC, AIQS, ANQUE and SEQUI






## Content


- Organizing Societies.
- Model of organization: management and congress structure.
- Scientific & Technical Vision.
- Promotional Strategy.
- International collaboration relation to EFCE WPs and Sections.
- Preliminary Budget.
- Sponsorship.
- Venue.

**B** <sup>10<sup>th</sup> WCCCE</sup>  
**2017** 10<sup>th</sup> World Congress of  
Chemical Engineering  
*2<sup>nd</sup>-6<sup>th</sup> October, 2017*

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ANQUE AIQS Engineers Institut de Chimie SEQUI

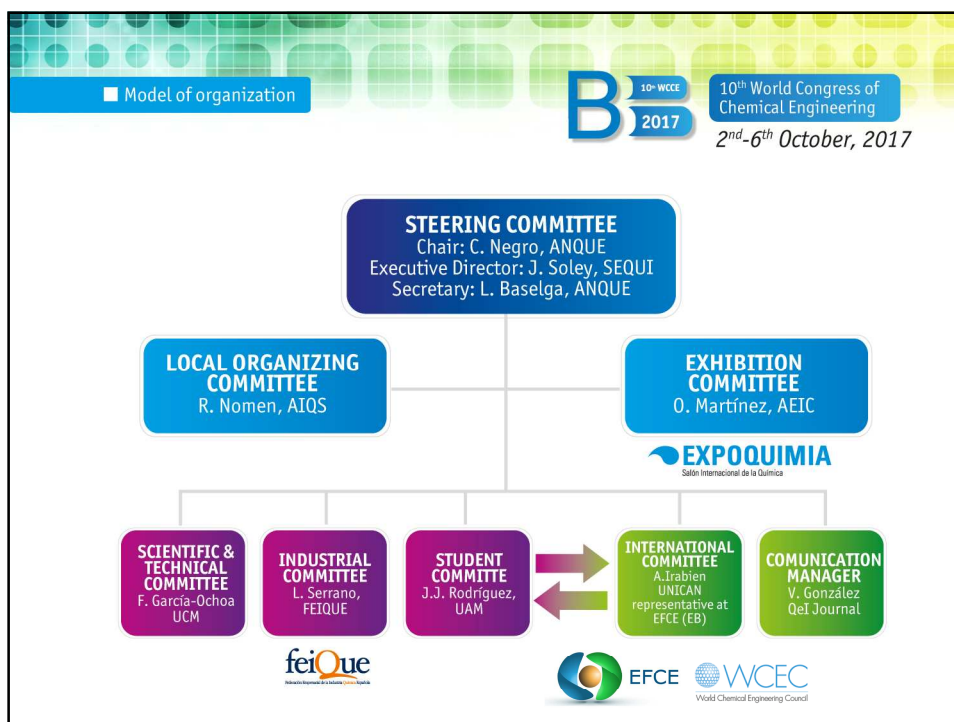
**B** <sup>10<sup>th</sup> WCCCE</sup>  
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*2<sup>nd</sup>-6<sup>th</sup> October, 2017*

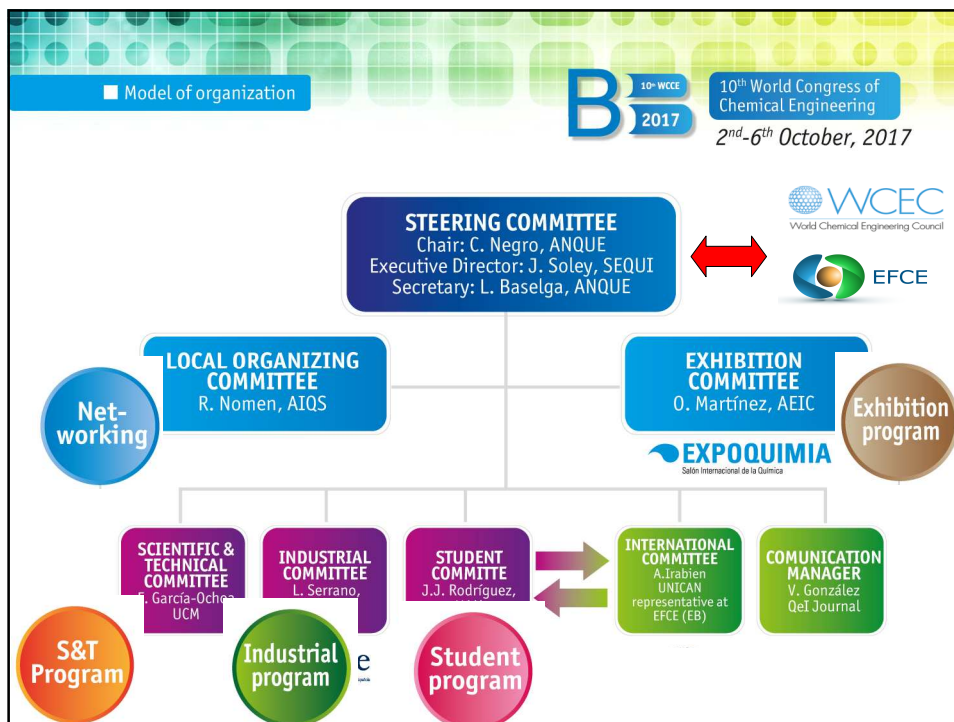
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- Venue.



ANQUE AIQS Engineers Institut de Chimie SEQUI





**B** 10<sup>th</sup> WCEC 2017  
10<sup>th</sup> World Congress of Chemical Engineering  
2<sup>nd</sup>-6<sup>th</sup> October, 2017

### Content

- Organizing Societies.
- Model of organization: management and congress structure.
- Scientific & Technical Vision.
- **Promotional Strategy.**
- International collaboration relation to EFCE WPs and Sections.
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■ Promotional Strategy

**B** 10<sup>th</sup> WCCCE  
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2<sup>nd</sup>-6<sup>th</sup> October, 2017

**Marketing and Communication Plan**

■ **Chairman: V. González**  
*Professor at UAM Editor in chief of Chem&Ind*

■ **Ad-hoc strategy:** web page, newsletter, communication materials, brochures, catalogs and promotional video.

■ **Web page: [www.wcce10.org](http://www.wcce10.org)**

2012 2013 2014 2015 2017




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**B** 10<sup>th</sup> WCCCE  
2017

10<sup>th</sup> World Congress of  
Chemical Engineering  
EFCE-Spain Group

**5.000 copies**

1.000 copies, ANQUE-ICCE-2012, Seville, June 2012

2.500 copies, 9WCCE, Seoul, August 2013

1.000 copies, Santander, September 2013

10<sup>th</sup> WORLD CONGRESS OF  
CHEMICAL ENGINEERING  
2<sup>nd</sup>-6<sup>th</sup> October, 2017



**B** WCCE10  
ECCE11  
ECAB4 2017

10th World Congress OF CHEMICAL ENGINEERING 11th European Congress OF CHEMICAL ENGINEERING 4th European Congress OF APPLIED BIOTECHNOLOGY

WCEC EFCE ESBS

Organized by EFCE-Spain Group:

ANQUE Enginyers Industrials de Catalunya SEQUI AIQS

www.wcce10.org

See you in **BCN**  
10th WORLD CONGRESS OF CHEMICAL ENGINEERING  
11th ECCE / 4th ECAB  
1st - 5th October, 2017

1st - 5th October, 2017. Barcelona, Spain

Promotional Strategy

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Web domain  
Newsletter registration form

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2<sup>nd</sup>-6<sup>th</sup> October, 2017

■ International collaboration

## International collaboration.

■ We will work to get the support of the regional societies. In particular, from:

**EFCE; Working Parties, Sections and Member Societies**, as the umbrella of the GROUP EFCE-Spain.

Inter American Confederation of Chemical Engineering, IACChE  
American Institut of Chemical Engineers, AIChE  
Asia Pacific Confederation of Chemical Engineers, APCChE  
African Societies involved in the WCEC



EFCE



WCEC  
World Chemical Engineering Council



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Engineers  
Institución de Catalunya



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**B** <sup>10<sup>th</sup> WCCE</sup> **2017** **10<sup>th</sup> World Congress of  
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EFCE-Spain Group  
AEIC, AIQS, ANQUE and SEQUI

*Thank you very much for your attention*

[www.wcce10.org](http://www.wcce10.org)

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Industrials de Catalunya  SEQUI

# EFCE

## Mission, Services & Initiatives





<b>1. SERVE THE EUROPEAN CHEMICAL ENGINEERING COMMUNITY</b>	<ul style="list-style-type: none"> <li>■ By providing a platform for views and opinions and identifying opportunities for ist voive to be heard</li> </ul>
<b>2. SUPPORT CHEMICAL ENGINEERS WITHIN EFCE MEMBER SOCIETIES</b>	<ul style="list-style-type: none"> <li>■ Working Parties and Sections</li> <li>■ Conferences and Seminars</li> <li>■ Newsletters, Website and e-bulletins</li> </ul>
<b>3. SUPPORT THE EDUCATION AND TRAINING OF CHEMICAL ENGINEERS WITHIN EUROPE</b>	<ul style="list-style-type: none"> <li>■ Active Education Working Party</li> <li>■ EFCE Journals</li> <li>■ Input into Deveopment of Curricula</li> <li>■ Training</li> <li>■ Bursaries</li> </ul>
<b>4. INFLUENCE DECISION MAKERS AND OPINION FORMERS ON MATTERS OF IMPORTANCE TO CHEMICAL ENGINEERS</b>	<ul style="list-style-type: none"> <li>■ By Helping to Shape European Policy</li> <li>■ Promoting Public Understanding of Science</li> <li>■ Contributing to European R&amp;D Programme</li> <li>■ Fostering Academic/Industry Links</li> </ul>
<b>5. INITIATE COLLABORATION IN SUPPORT OF COMMON GOALS AND FOR THE ADVANCEMENT OF SCIENCE AND TECHNOLOGY</b>	<ul style="list-style-type: none"> <li>■ Proactive Horizon Scanning and Topic Spotting</li> <li>■ Bringing People Together via Respected European Technical Networks</li> </ul>

## EFCE Mission Statement



## The mission of the EFCE

1. Serve the European Chemical Engineering Community
2. Support Chemical Engineers within EFCE member societies
3. Support the education and training of chemical engineers within Europe
4. Influence decision makers and opinion formers on matters of importance to chemical engineers
5. Initiate collaboration in support of common goals and for the advancement of science and technology

## How to achieve them?

- The Working Parties & Sections
- The EFCE member societies
- The EFCE executive board members
- **The EFCE secretariats (the services provided in terms of administrative, financial, public relations, meetings, awards, ....)**



## Some Questions!

- How do WP's and sections perceive EFCE ? Or, how can the EFCE help WPs, sections and Member Societies?
- What do you expect from the EFCE ?
- What type of management would you like for the EFCE? What extra services?
- How to attract industrial representatives? Lobby at EU?
- Are you a member of the EFCE group in LinkedIn?
- Do you receive the EFCE newsletter? If yes, do you read it and distribute it?
- Should the EFCE have membership activities for students? If yes, at what level?
- Is it necessary to create new fields of interest in ChE?



# Initiatives: 2014 - 2015

## Chemical Engineering Community Level:

- **Scientific Panel for the Status-Vision of ChE (February 2014 – December 2015) – Members from European industry & academia**

## EFCE Level:

- **Committee for establishing an EFCE Student Platform (February – August 2014): members (3 from current EB + co-opted members)**
- **Committee for Public Relations-Visibility (February 2014 – December 2015): members (one from each of the 3 secretariats plus co-opted members lead by Mike Considine, EFCE-VP)**

## Projects Level:

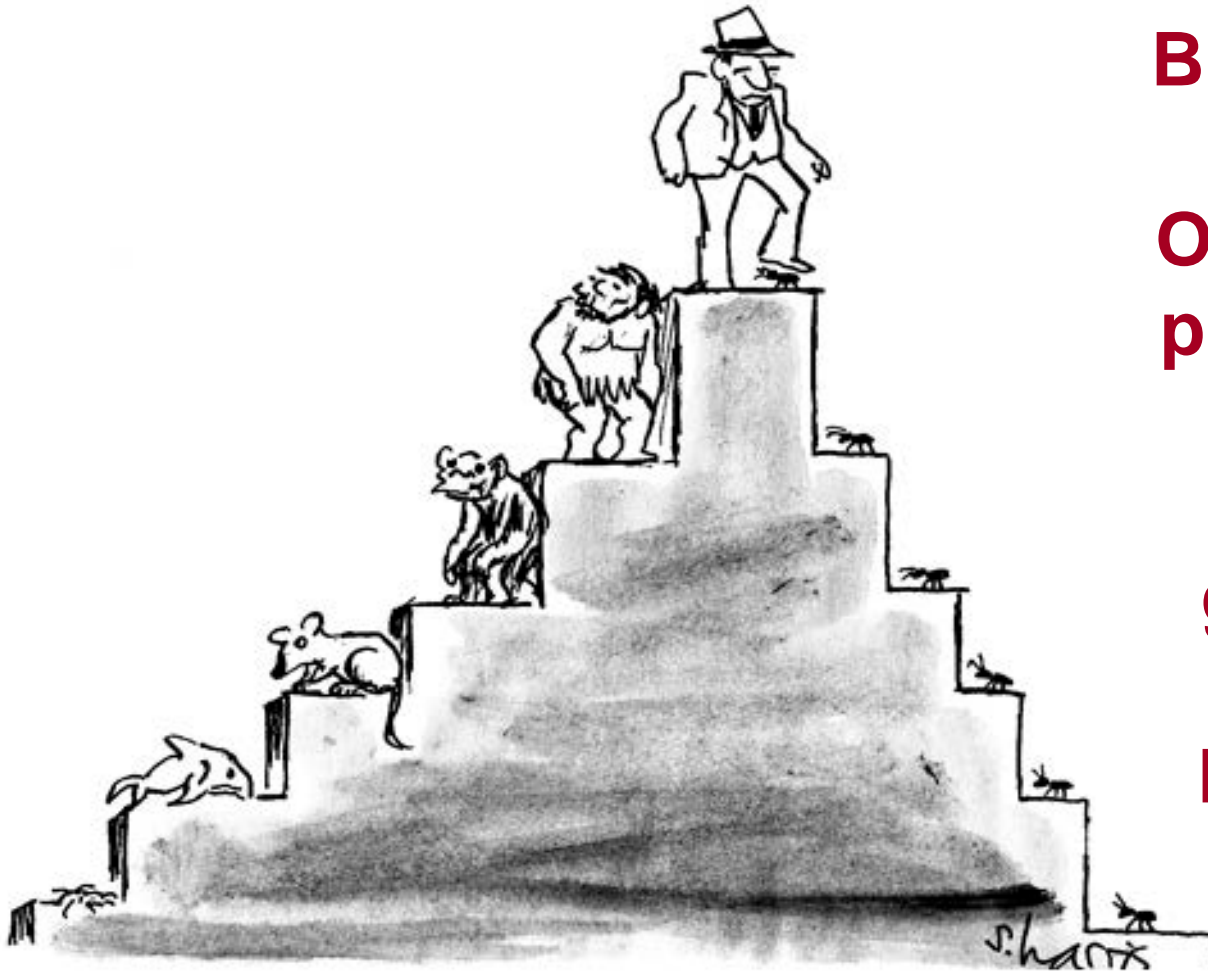
- **Vision & Structure of future ECCE/ECAB events: members (EFCE President and EFCE VPs plus co-opted members)**

## EFCE Forum Follow-up:

- **Define next steps in terms of EFCE action in Education; Bio; Sustainability & Innovation (Jean-Marc LeLann, EFCE-VP)**



# Humans are the master of this earth



**But, how did we  
get there?  
Or, what are the  
problems now?**

**Is this the  
golden era of  
Chemical  
Engineering?**





# Something for the Panel to consider!

**Paradigm** is a constellation (of ideas) that defines a profession and an intellectual discipline

**Paradigm Shift** points to a change from one way of thinking to another. It's a revolution, a transformation, a sort of metamorphosis. It just does not happen, but rather it is **driven by agents of change.**

Has Chemical Engineering reached such a stage? If yes, by what **agents of change?**