The International Academy for Systems and Cybernetics Sciences

Report at the end of the 2 years of the establishment phase

2012, April 13th, Vienna (Austria)



During the last EMCSR, in Vienna (Austria), on the 12th of April 2012, 5 new Academicians have been appointed. (Please see the following 2 pages)

2 of them were keynote speakers at that EMCSR: Ervin LAZLO and Edgar MORIN. The other ones have read a short statement during the reception ceremony, after the acceptance of their diploma (given by the current IASCYS President, Matjaz MULEJ) and the handling of their gift (given by the current IFSR President, Gary METCALF).

Georg SOROS was represented by Stuart UMPLEBY.

Rainer E. Zimmermann was a Chair of the Symposium

Physical and Metaphysical Aspects of Systems after Morin (invited papers).

Unfortunately, Matjaz MULEJ, for family reasons, suddenly was forced to give up the Presidency. Before the EMCSR, after a ballot, *using an internet urgent procedure of meeting of the General Assembly*, Robert TRAPPL, who previously gently accepted to be the successor of Matjaz -but with Matjaz as Vice-President-, was elected as the new President. He agreed to re-conduct the Executive Committee but with 1 more Vice-President. No problem because, according to the point 5.1 of the statutes,

the Executive Committee was up to 5 members (when the Academy had 25 members). (Please see the next third page)

<u>Campus of the University of Vienna</u>, 10–13 April 2012. <u>http://iascys.org</u>



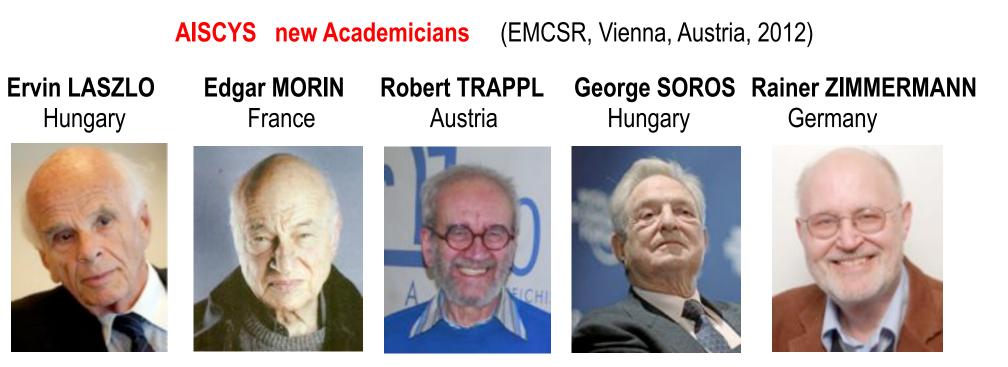


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http://www.emcsr.net/overview/

pierre.bricage@univ-pau.fr

Campus of the University of Vienna, 10–13 April 2012. http://iascys.org



<u>http://en.wikipedia.org/wiki/Ervin_László</u> <u>http://fr.wikipedia.org/wiki/Edgar_Morin</u> <u>http://en.wikipedia.org/wiki/George_Soros</u> <u>http://en.wikipedia.org/wiki/Robert_Trappl</u> <u>http://de.wikipedia.org/wiki/Rainer_E._Zimmermann</u>

number of Academicians: 30

pierre.bricage@univ-pau.fr

<u>Campus of the University of Vienna</u>, 10–13 April 2012. <u>http://iascys.org</u>

new AISCYS Executive Committee

Robert TRAPPL Austria Matjaz MULEJ Slovenia **Jifa GU** P. R. China Ranulph GLANVILLE UK

(Vienna, Austria, 2012)

Pierre BRICAGE France











President

Vice-President

Vice-President

Vice-President Secretary General

number of Academicians: 30

During the last 2 years the Academy has been established on the internet with its website: <u>http://iascys.org</u> (Please see the first following page)

The only problem is that the Academy has no money. So, the website is shared into 2 hosting locations: with a certain cost at its own location (at <u>iascys.org</u>) and free into one of the personal websites of the Secretary General (at <u>http://www.armsada.eu</u>).

(Please see the second following page)

During the past year, the Academy has made the links between the Academicians and other associations or renown people for the promotion (calls for papers) of 38 international Meetings throughout the world

In November 2011, in Brussels, at the International Congress of the European Union for Systemics (EUS-UES), during its International Workshop

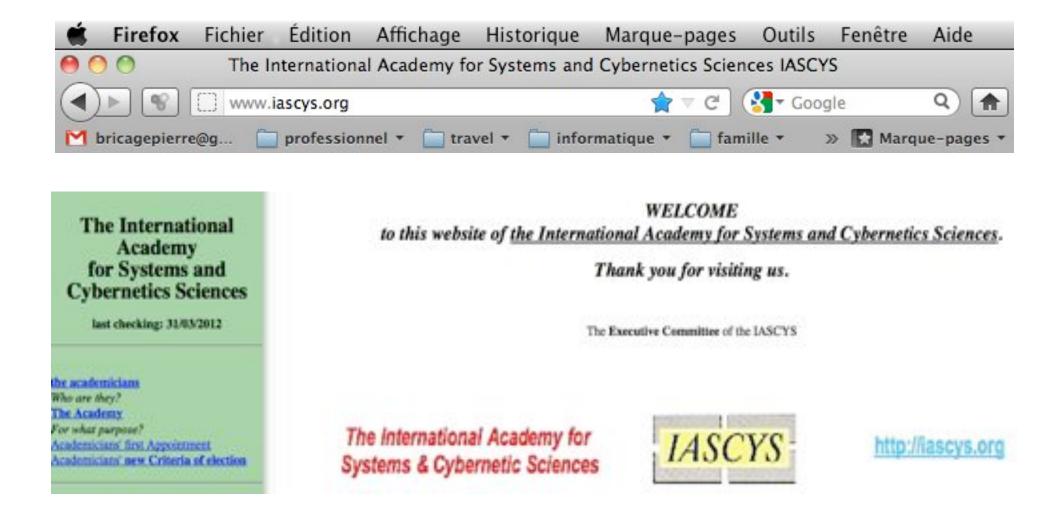
http://aes.ues-eus.eu/index.html

the IASCYS has made a link

between the systemics and cybernetics federations: the IFSR, the EUS-UES and the WOSC.

(Please see the third following page)

The 21st European Meeting on Cybernetics and Systems Research Vienna, Campus of the University of Vienna, 10–13 April 2012. http://iascys.org



During the year 2011 several meetings were held including representatives of IASCYS, IFSR, UES-EUS and WOSC, which agreed to make IASCYS open to members of all associations and federations working on systems and cybernetics and their applications.

Added to this document – statutes – are also the official criteria for membership in IASCYS. Nobody can run for membership in IASCYS as an individual, but only as a member in good standing of a member association of IFSR and other systemics & cybernetics organisations, and everybody can be suggested by his or her member association of IFSR or other systemics & cybernetics organisations in an official letter (by traditional or email) with all official data on the candidate's scientific and professional achievement that match criteria. Data about IASCYS members shall be published on the IFSR and IASCYS web-sites.

So, according to the point 5.1 of our statutes, <u>the Executive Committee</u> suggests to make the following changes, that were presented at the IFSR EC meeting the 13th April 2012 in Vienna, <u>in all our funding documents</u>

(according to the funders of the Academy: Matjaz MULEJ, Jifa GU, Ranulph Glanville, Pierre BRICAGE, Guangya CHEN, Enrique HERRSCHER, Charles FRANÇOIS, Kyoichi J. KIJIMA, Yoshiteru NAKAMORI, Robert VALLÉE, Shouyang WANG, Andrzej P. WIERZBICKI, Jiuping XU) and the first General Assembly in Chengdu, P. R. China (Mary Catherine BATESON, Ockert BOSCH, Pille BUNNEL, Gerhard CHROUST, Wolfgang HOFKIRCHNER, Michael JACKSON, Louis H. KAUFFMAN, Humberto MATURANA, Laurence D. RICHARDS, Bernard SCOTT, Stuart UMPLEBY, Ernst von GLASERSFELD)

not only IFSR but to add: also other <u>systemics and cybernetics</u> PARTNER federations of <u>associations</u> (like WOSC and EUS-EUS, for example), "to make the link". (Please see the next 2 following pages for example)

During the last 2 years we had the regret to lose one of us, Ernst Von Glasersfeld. The IASCYS made an attempt to found an Award with his name, but to no avail. But the IASCYS is now involved in the von BERTALANFFY Award -for young talented systemicians & cyberneticians-, the PhD day of the EMCSR.

(Please see the next 4 pages)

The <u>International Academy</u> <u>for Systems and Cybernetic Sciences</u>



NOTE. THIS IS A FILE OF TWO DOCUMENTS: - EXPLANATION OF BACKGROUND - DRAFT STATUTES/BY LAW Documents passed at the IFSR Board session in 2010 April 7th. Amended on 2012 April 13^{th.}

EXPLANATION OF BACKGROUND

1 Introduction

The International Academy for Systems and Cybernetic Sciences (IASCYS) is supposed to be a shared **a body** of activity of <u>the International Federation for Systems Research</u> (IFSR) and other <u>systemics & cybernetics</u> <u>organisations</u>.

IASCYS fills in the gap resulting from the failure of national and international academies of sciences and arts or learned societies (as British name this kind of organizations) to include systems and cybernetic sciences in their list of sciences and arts supposed to have their outstanding professionals included in academy membership. This situation makes systems and cybernetic sciences second class, although their contributions are enormous and backing many achievements in other sciences and real life practices.

IASCYS is aimed to honor and activate outstanding **members of IFSR member-associations** and other systemics & cybernetics organisations. While the traditional disciplines of science focus on their selected parts of the given reality of life and consider them from their more or less narrowly selected viewpoint/s, the systems and cybernetics theories and practices deal with a world-view of holism.¹ Thus we tend to help humans to use requisite holism and attain the requisite wholeness and thus to cover the left-aside empty spaces between the spaces covered by individual (and not co-operating) traditional sciences.

¹ Systems science ... is predominantly a **development in engineering sciences** in the broad sense, necessitated by the complexity of "systems" in modern technology Systems theory, in this sense, is **pre-eminently a mathematical** field, offering partly novel and highly sophisticated techniques ... and essentially determined by the requirement to cope with a new sort of problem that has been appearing.

What may be obscured in these developments – important as they are – is the fact that systems theory is a broad view which far transcends technological problems and demands, a reorientation that has become necessary in science in general and in the gamut of disciplines ... It ... heralds a new world view of considerable impact. The student in "systems science" receives a technical training which makes systems theory – originally intended to overcome current over-specialization (exposure of these words by bolding is ours, M. Mulej) into another of the hundreds of academic specialities. ... (von Bertalanffy, 1979, p. VII).

It presents a novel "**paradigm**" in scientific thinking ... the concept of system can be defined and developed in different ways as required by the objective of research, and as reflecting different aspects of the central notion." (Ibid., p. XVII).

[&]quot;General systems theory", then, is scientific explorations of "wholes" and "wholeness" which, not so long ago, were considered to be metaphysical notions **transcending the boundaries of science**. (Ibid., p. XX)...

[&]quot;System" problems are problems of interrelations of a great number of "variables". (Ibid., p. XX).

[&]quot;... models, conceptualizations and principles – as, for example, the concept of information, feedback, control, stability, circuit theory, etc. – by far transcend specialist boundaries, were **of an interdisciplinary nature**..." (Ibid., p. XX).

We know that **Norbert WIENER** and his co-workers have been working on an interdisciplinary basis before **Ludwig Von BERTALANFFY** wrote these crucial statements, as articles from **1943** prove.

STATUTES of IASCYS



as drafted by the IFSR Executive Committee on 18 July 2009

after several months after submission of the foregoing draft to member associations + a discussion with several outstanding candidates and interim board members in Jan. 2010



Article 1 – Name and Seat

The International Federation for Systems Research (IFSR) establishes an international non-profit association called the International Academy for Systems and Cybernetics Science, hereafter so called the IASCYS. IASCYS is open to all systemics & cybernetics organisations.

1.1 IASCYS shall be governed by the same law as IFSR.

1.2 IASCYS's seat shall presently be established at the seat of IFSR.

Its seat can be transferred to any other place through a simple decision of the IASCYS Board according to the law valid for IASCYS.

Article 2 – Purpose of IASCYS

2.1 Humankind of the current civilization is in serious trouble, because it has ruined its natural and social preconditions of existence. This results from a too big power of one-sided specialization with a poor care for the requisite holism of approach and requisite wholeness of outcomes of human actions; especially missing has been the one that could be best attained by interdisciplinary creative co-operation of several different specialists. IASCYS should be a way of working of IFSR member associations, aimed at helping humankind find a way out of its blind alley.

2.2 The purpose of IASCYS is **to provide a forum** for persons professionally excelling in System and Cybernetics **Research**, **Education and Practice** (S&C) on a distinguished level.

Criteria for membership admission are attached to these Statutes as a separate document.

2.3 More specifically, IASCYS has the purpose to:

Honour the most distinguished S&C professionals.

Promote Ludwig von Bertalanffy's and Norbert Wiener's concept that systems thinking is world view of holism of approach and wholeness of outcomes, and methodology supportive of this world view trying to build a bridge to holism/wholeness beyond and against the current over-specialization, while cybernetics apply it to control entities, processes and events of any type;

Provide an open, international and multi-cultural forum for the advancement of knowledge about S&C and its application;

Provide a network for presentations and evaluations of S&C results;

Provide publication outlets for high quality results of S&C;

Disseminate information and provide benchmarks for the assessment of S&C;

Support young researchers in the field of S&C and promote international networks for post-graduate education on S&C;

Foster a broad variety of methodological approaches and research issues in S&C, and encourage cross-fertilization between approaches and research traditions;

Develop an agenda of innovative research topics and promote the establishment of collaborative research networks in S&C and by application of S&C;

And similar purposes if so decided by IASCYS bodies.

Vienna, <u>Campus of the University of Vienna</u>, 10–13 April 2012. http://www.emcsr.net/phd-colloquium/



PhD Colloquium & Award

http://www.emcsr.net/phd-colloquium/

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The 21st European Meeting on Cybernetics and Systems Research Vienna, <u>Campus of the University of Vienna</u>, 10–13 April 2012. <u>http://www.emcsr.net/phd-colloquium/</u>

The European Meetings on Cybernetics and Systems Research

always focuses on **foundations of systems thinking whatever approach** may be followed and on its possible and intended impact towards the betterment on society in a humane direction. Each **recent**, **original and unpublished work** (paper and talk) submitted to <u>the EMCSR-PhD Colloquium & Award</u> has been designed **to promote inter- & transdisciplinary interconnections**

between different fields of systems science, in a way to help to spread ideas and concepts to other fields of systems sciences

and/or to support systems sciences education initiatives.

After a round of selection, each authorised applicant

has **to attend all sessions** associated with the EMCSR PhD-Day, not only as a speaker but also as a discussant to the contributions of all the other participants and to debate with the public.

The von Bertalanffy Award will focus on the inter- and trans-disciplinary capabilities of the "competitors" as well as the "unity through diversity" principle content and application of their works. The award recipient has to be able to address to a broader community of scientists, presenting main ideas and concepts, in research and education,

in a way that was also understandable for interested but non-specialists of that field.

The award recipient award will be granted for the best integrative trans-disciplinary work.

 The 21st European Meeting on Cybernetics and Systems Research Vienna,
 Campus of the University of Vienna,
 10–13 April 2012.

 http://www.emcsr.net/phd-colloquium/

Award Committee (reviewers and jurors)

ASTAFIEVA Olga Nikolaevna (Russia), BALLONOFF Paul (United States of America),

BRICAGE Pierre (International Academy for Systems and Cybernetic Sciences, France), DUARTE-RAMOS Herminio (Portugal),

FLEISSNER Peter (Bertalanffy Centre for the Study of Systems Science, Austria),

HERRSCHER Enrique G. (International Academy for Systems and Cybernetic Sciences, Argentina),

LASZLO Alexander (Giordano Bruno GlobalShift University, Budapest),

MAKAROVITSCH Alexandre (AFSCET, France),

<u>MINATI Gianfranco</u> (AIRS, **Italy**),

NEMICHE Mohamed (Morocco),

OSSIMITZ Günther (the Bertalanffy Centre for the Study of Systems Science, Austria),

SOLOMONS Leonie (IFSR, Australia),

STEENHOUT Anne (Belgium),

WILBY Jennifer (ISSS, UK),

ZIMMERMANN Rainer E. (International Academy for Systems and Cybernetic Sciences, **Germany**).

UNFORTUNATELY, money is greatly limiting our capacity to be more efficient.

Since the General Assembly at Chengdu the Academy had saved a bit of money thanks to voluntary generous contributions from some of us.

The principle was that no money is asked but "Academicians can refund a bit of their honoraries if they were paid for a presentation made as a representative of the Academy". (Please see the next page)

During that 2 years phase, the Academy had not the ownership of its money -managed by the IFSR-: 529 euros (that appears at the last line of the treasury budget of the IFSR annual report). They have just been enough to support the cost of the reception of the new Academicians:

179.25 euros for all the diplomas handling

247.80 euros for the gifts delivered to the attending Academicians (the money has been advanced by the Bertalanffy Centre, thanks to Wolfgang Hofkirchner, and paid back -in the name of the Academy- by the IFSR)

42.95 euros for the sending of the diplomas to the non-attending Academicians.

(Please see the next page).

58.96 euros still remain.

The "renewed" Executive Committee proposes to the General Assembly to agree (or not) to the following changes (passed in IFSR EC of the 13th of April, in Vienna) by e-mail

(You can send your yes or no vote -with suggestions or not- to the IASCYS Secretary General at the following address: pierre.bricage@univ-pau.fr)

Thank you for your help.

It is very important that each one of us does answer.

The proposed changes are the following:

Article 1. OPENING of the Academy to all systemics and cybernetics organisations. Article 4.9. PARTNERSHIP between the IASCYS EC and the ECs of other systemics and cybernetics organisations. That is to say, each President (or his/her representative) of each partner organisations is associated to the IASCYS EC deliberations.

(Please see the first next page)

In all articles **IFSR** will be replaced by

IFSR and other systemics and cybernetics organisations.

(Please see the second next page)

The current statutes -without the changes- are online on our website at http://iascys.org

(article 5.1 of the statutes)

Article 1 - Name and Seat

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Its seat can be transferred to any other place through a simple decision of the IASCYS Board according to the law valid for IASCYS.

4.8 The IASCYS's General Assembly convenes every four years, normally during the yearly conference, which an IFSR member or other systemics & cybernetics organisations association sponsors.

4.9 Between two sessions of the IASCYS's General Assembly the work of IASCYS is evaluated by the IASCYS Executive committee (EC) in association with the IFSR EC and all the other partner systemics & cybernetics organisations EC.

Article 5 - IASCYS's Management

5.1 IASCYS shall be managed by IFSR Board via its EC in its establishment phase of two years, and later on by IASCYS's General Assembly, which elects its Executive-Committee of three to five members. Once IASCYS grows enough to introduce classes, deans of classes are members of the Executive Committee ex officio. 2.4 In order to realize its objectives, IASCYS shall be entitled to collect funds, receive donations and be sponsored, organize congresses in co-operation with IFSR member associations and other systemics & cybernetics organisations, create web-sites as its own and as a part of the IFSR and other systemics & cybernetics organisations web-sites, publish a newsletter and all others documents concerning its purpose. IASCYS will take all initiatives permitting and inviting members and other persons and legal entities to contribute to realization of its purpose.

Article 3 - Membership of IASCYS

3.1 Members are elected by IASCYS members in their Gemeral Assembly (in personnal or written way) among the most outstanding personalities in S&C world-wide on the basis of criteria mentioned in 2.2.

Suggestions for membership come from IFSR member associations and other systemics & cybernetics organisations.

3.2 Every member in good standing in terms the membership fees (article 5) is allowed to participate at the IASCYS's General Assembly's voting, to receive all IASCYS's reports and communications since their issue, and to participate at all activities of IASCYS.

To make better links the following change is suggested in article 5.3.

(Please see the next page)

Honorary Personalities of the IASCYS (like for example Honorary President of the IASCYS) are true full members of the EC, on the proposal of the EC.

Other Honorary Personalities (HP) may be also asked as true full members of the EC as a help for a specific action they may conduct, and for the duration of that action, on the proposal of the EC, and with the agreement of the General Assembly.

A <u>General Assembly e-mail voting will have sense only if a non-response is counted</u> <u>not as a pro-vote.</u> As for making decision it can be done by email, but the decision is valuable only when the majority of possible votes is reached by actual votes. Because then it does not matter if someone forgot to vote, was not reached by the mail, or would refrain from voting. So please answer before the deadline.

Otherwise we will be blocked.

STATUTES of IASCYS

5.3 Up to 3 Vice Presidents can be elected by the IASCYS General Assembly to assist the President in the co-ordination of the IASCYS's activities in specific areas agreed upon by the Executive Committee (EC). Honorary Personnalities of the IASCYS (like for example Honorary President of the IASCYS) are true full members of the EC, on the proposal of the EC.

Other Honorary Personnalities (HP) may be asked also as true full members of the EC as a help for a specific action they may conduct, and for the duration of that action, on the proposal of the EC, and with the agreement of the General Assembly. As stated at the origin,

the aim of the Academy to create a worldwide frame-work curriculum

(Please see the 2 first pages of the next 4 pages) is now amplified through the link made by the Academy in its interaction with the other systemics and cybernetics organisations (Please see all the next 4 pages)

Thanks to the great job of the <u>Sociedad Española de Sistemas Generales</u> and his President Rafael LOSTADO-BOJO, the current President of the EUS-UES, a 1 year master in governance of the complexity and systems sciences will open at the end of that year at the University of Valencia (Spain).

(Please see the last page of the next 4 pages)

After Brussels (November 2011) the WOSC and the UES-EUS have agreed to make simultaneously, in Valencia (Spain) for the EUS-UES, and in Santiago (Chile) for the WOSC, their next international meetings, probably in september 2014, to make a worldwide event to which the EMCSR has agreed to join in Vienna (April 2012, the 13th).

Intentions

Two IFSR board sessions -and particularly the IFSR Board session on 26 March 2008 in Vienna, Austria-, several Executive Committee (EC) of the IASCYS sessions (mostly by e-mail), and many discussions with many members of IFSR member associations around the world, and finally the stand of the first General Assembly (GA1) at Chengdu in October 2010 helped us to the official IASCYS establishment with - the statutes of the Academy, - the *new criteria* of recruitment of the Academicians, - the ethical point of views of the Academicians during the first GA1 discussions.

The 2 first major missions of the IASCYS are,

through the co-ordination of the actions of the IFSR member associations:

- to create a basis of an internationally accepted frame-work curriculum in systemics and cybernetics,

to create an auditing process aimed at validation and promotion of education in systemics and cybernetics.



Charles François, Libertad 742, 1640 Martinez, Buenos Aires, Argentina

à Pierre, Mulej

Dear Matjas,

Of course I agree with you becoming VicePresident of the IASCYS as you decided,

and Robert Trappl as President. I wish you both a very good new term of office.

For the next meeting as a honorary member of the Academy

I had something written to tell you about the project commented in the email

"Only for the eyes of the Academicians..." of the Inter-Multi-Transdisciplinary University

but on Sunday last at home we were commenting and remembering so many things... that I forgot about it !

I think that is for sure a very significant proposal. However a very torough debate should first take place about the precise program of such university. In fact very clear and precise meanings should be given to the quite different concepts of "inter-multi- transdisciplinarity". If not, there is a serious danger that a more or less massive collection of not much coherent specialized knowledges would be believed and promoted as "transdisciplinarity". I stated my views about the subject in the Encyclopedia (Introduction of both editions). "To teach to people for a systemic behavior": there is no hope for any "systemic behavior"- i.e. a globally harmonized one- unless and first of all *if a systemic understanding is introduced by a suitable education*. Such understanding shoud be aimed and applied for a better interpretation of complexity in worldwide and harmonic situations thorugh a global integration of all specialized approaches (i.e. a "meta-level". It is an absolutely basic need that Systems and Cybernetics should *never become a mere new "specialization"*. I advocate the general use of graphic representations of systemic-cybernetic models ("graphic" in the meaning of "telling a history"). I produced many such representations *because they eliminate much of the limits of mere linguistics and can be easily translated* (i.e. visualized) in many different languages. At present I am translating to English the representations of my Tutorial edited in 2007 in CDrom format. They are at your disposal if you find them useful.

I am copying to Pierre to make these suggestions registered among other proposals and discussions for the next sessions. I am wishing you a successful meeting and send you my best wishes for you and all friends.

francoischg@fibertel.com.ar

A (at least) 2 years training (in French: a *cursus*) University, after the bachelor degree - with <u>the first year</u> at a "tiny" University -at a human scale- (like the Wilfried Laurier University) and also a "local" one -locally speaking- (Chinese, English, French, Japanese, German, Portuguese, Russian, Spanish, at least), to ensure a minimal sufficient prerequisite variety (in a "wikipedia" manner of thinking). This cursus should be equally balanced between both THE LOCAL language and English. <u>The central research topic of IASCYS in this 2 years phase was</u> <u>"Social responsibility as informal systemic behaviour"</u>.

Under the leadership of Matjaz Mulej, the project was not financed, but anyway done. It was linking systemic behaviour with the new definition of social responsibility provided by UNO, ISO and EU as well as by groups of enterprises. The most visible link is provided in ISO 26000 Standard on social responsibility that defines 7 principles, 7 main topics, 7 steps of procedure and links them with 2 crucial notions from systems theory: (1) interdependence, and (2) holistic approach.

On this basis, IASCSY cosponsored 2 international conferences (with no financial rights & duties), arranged by IRDO Institute for development of social responsibility in Maribor, Slovenia, in March 2011 and March 2012, under honorary auspices of the President of Slovenia Prof. Dr. Danilo Türk. Matjaž Mulej and Pierre Bricage contributed papers, Matjaž Mulej was vice-head of the conference in 2011 and head in 2012.

On the same basis Matjaž Mulej was active participant, (co-)author and speaker to international meetings and students conferences (in Argentina, Australia, Austria, Belgium, Canada, China, Czech Republic, Croatia, Germany, Greece, Hungary, India, Poland, Russia, Slovenia, Switzerland, Turkey, UK, USA). He also worked on thematic editions of SPAR and SRBS journals and a book with Betham.

The IASCYS was a sponsor of the 2012 EMCSR <u>http://www.emcsr.net/</u> It is also a sponsor of the next IEEE conference in Morocco (Africa) <u>http://iccs12.org/</u>