









Université libre de Bruxelles Brussels, Belgium January 23, 2015

## IN THE PROCESS OF APPLYING FOR AACSB ACCREDITATION

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#### **Agenda**

- Accreditation
- AACSB International and its accreditation process
- Presentation of the decision-making problem connected with applying for AACSB accreditation – determination of the *Aspirant Group*
- Solving the problem concerned using methods based on the outranking approach from the PROMETHEE family and on Verbal Decision Analysis
- Conclusions

#### What is accreditation?

- Accreditation is both a status and a process.
- As a status, accreditation provides public notification that an institution or program meets standards of quality set forth by an accrediting body.
- As a process, accreditation reflects the fact that in achieving recognition by the accrediting body, the institution or program is committed to self-study and external review by one's peers in seeking not only to meet standards but to continuously seek ways in which to enhance the quality of education and training provided.

#### Source:

http://www.apa.org/support/education/accreditation/description.aspx#answer

#### **Educational accreditation**

- Educational accreditation is a type of quality assurance process under which services and operations of educational institutions or programs are evaluated by an external body to determine if applicable standards are met.
- Accreditation of higher education varies by jurisdiction and may be focused on either or both the institution or the individual programs of study.
- In most countries, the function of educational accreditation is conducted by a government organization, such as a Ministry of Higher Education or committees established by it.
- In the United States, however, higher education accreditation has long been established as a peer review process coordinated by accreditation commissions and member institutions.



#### The most valued accreditations







**Technology** 





- Three largest and most influential business school accreditation associations are:
  - AACSB based in Tampa, Florida, with an Asia office in Singapore
  - AMBA based in London
  - EQUIS based in Brussels
  - The triple accreditation of EQUIS, AMBA and AACSB, is often referred to as the **Triple Crown**. This **Triple Crown** status is an honor held by only few business schools worldwide. Of the 13,670 schools offering business degree programs worldwide, only **67 have Triple Accreditation** as of December 2014.
  - The most popular accreditation worldwide is AACSB accreditation. Currently, there are **716 business schools in 48 countries** and territories that have earned it, for instance: Columbia University, Harvard University, MIT, Yale University and London Business School.

#### What is AACSB International?



- AACSB International The Association to Advance Collegiate School of Business is a global, nonprofit membership organization of educational institutions and collegiate schools of business, as well as corporate, nonprofit, and public sector organizations devoted to the advancement of management education.
- Established in 1916, AACSB International provides its members with a variety of products and services to assist them with the continuous improvement of their business programs and schools.
- These products and services include:
  - internationally recognized accreditation in business and accounting,
  - conferences, seminars, symposiums, and webinars,
  - publications that provide insight into the business education industry,
  - access to extensive global data and reports related to business schools,
  - networking through groups and events,
  - sponsorships, exhibiting, and business development opportunities.

#### What does AACSB do?



- Above all, AACSB provides internationally recognized, specialized accreditation for business and accounting programs at the bachelor's, master's, and doctoral level.
- AACSB Accreditation is known worldwide as the longest standing, most recognized form of specialized/professional accreditation an institution and its business programs can earn.
- Receiving AACSB Accreditation means that a given institution is able to achieve a rigorous set of quality standards defined and updated by AACSB International.
- The AACSB Accreditation Standards challenge post-secondary educators to pursue excellence and continuous improvement throughout their business programs.



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#### What areas are critical for AACSB?

curricula and their development

research

teaching

student learning

qualifications and composition of the faculty members

international cooperation

organization of studies and administrative services

infrastructure and financial resources





## 

#### **Accreditation process**

#### Earning AACSB accreditation requires following a lengthy (6-7 years) procedure consisting of seven major steps:

**STEP 1:** Membership in AACSB International

STEP 2: Preparing and submitting Eligibility Application

STEP 3: Assignment of an AACSB Mentor and the Mentor's on-campus visit(s)

STEP 4: Preparing and submitting Standards Alignment Plan

STEP 5: Implementation of the *Standards Alignment Plan*, preparing and submitting *Self-Evaluation Report* 

**STEP 6:** Peer Review Team visit

**STEP 7: Ratification** 

#### **Decision-making problem**

#### **Identification of three Comparison Groups**

#### They include:

a group of competing schools (*Competitive Group*), a group of comparable schools (*Comparable Peer Group*), a group of schools providing a developmental goal for the applicant (*Aspirant Group*).

#### The Comparison Groups are used to

determine a relevant context for judging how a school sees itself as well as to provide a pool of potential Peer Review Team members that may better understand the applicant and its aspirations, avoiding simultaneously potential conflict of interests from competitive schools.

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#### **Decision-making problem**

PROBLEM

- we are looking for at least 3 educational institutions with AACSB accreditation, that matches as closely as possible the future vision of the school considered
- problem is formulated as a multi-criteria ordering problem

SIMILARITY (CRITERIA)

- institutional control, levels of education (degrees offered), general orientation
- mission, scholarly orientation
- number and structure of students and faculty members, level of internationalisation
- accreditations, places in rankings

THE SCHOOL IN

- Polish public school, with 2 presigious accreditations
- education levels of degrees offered: UG, GR, doctoral
- general orientation: BPA-5 (intellectual contributions = teaching > service)
- scholarly orientation: BPB-1 (contributions to: knowledge > practice > education)
- students: 5100 (UG -2700, GR 2300, PhD 100), Poles 85%
- full-time faculty (FT): 110, with at least PhD 100%, number of FTE (FT+PT) faculty: 125, participating 80%

## Solving the problem – approach proposed

Querying the AACSB database (AACSB DataDirect) in order to find business schools of a similar profile (public schools with AACSB business accreditation, BPA-5, 3 levels of education, from 80 to 140 full-time faculty members)

#### Establishing the ranking of the schools selected using MCDA methods

- applying PROMETHEE IIV, EXPROM IIV and modified ELECTRE III,
- applying PROMETHEE IIv, EXPROM IIv, modified ELECTRE III and MARS

Deepening knowledge about the institutions in leading positions in the rankings to ensure they may be included to the *Aspirant Group* 

Final decision regarding Aspirant Group

#### **Preference model**

No	Criterion	Max/min	Weight	q	р	v
1	Scholarly orientation	max	0,125	0	2	7
2	Mission	max	0,125	1	3	8
3	Undergraduate students	min	0,050	100	400	4000
4	Graduate students	min	0,050	100	400	4000
5	Doctoral students	min	0,050	10	40	400
6	Students with the citizenship of the country of the school	min	0,050	5	10	40
7	All students	min	0,050	250	1000	9000
8	Full-time faculty members	min	0,0625	3	10	40
9	Number of FTE faculty (FT+PT)	min	0,0625	3	10	40
10	FT with AT least PhD degree	min	0,0625	3	10	40
11	Participating faculty members	min	0,0625	3	10	40
12	Accreditations	min	0,125	0	1	3
13	Positions in the rankings	min	0,125	30	100	600

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## Results – part 1 (outranking methods)

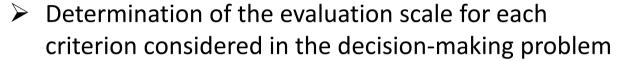
NI -	MCDA methods			
No	PROMETHEE IIV	EXPROM IIv	Modified ELECTRE III	No
1	Otago, University of, School of Business	Otago, University of, School of Business	Otago, University of, School of Business;	1,5
2	St. Gallen, University of, Department of Management	St. Gallen, University of, Department of Management	St. Gallen, University of, Department of Management	1,5
3	Aalto University, School of Business	Aalto University, School of Business	North Carolina at Chapel Hill, University of, Kenan-Flagler Business School	3
4	North Carolina at Chapel Hill, University of, Kenan-Flagler Business School	North Carolina at Chapel Hill, University of, Kenan-Flagler Business School	Aalto University, School of Business	4
5	Pittsburgh, University of, Joseph M. Katz Graduate School of Business	Pittsburgh, University of, Joseph M. Katz Graduate School of Business	Pittsburgh, University of, Joseph M. Katz Graduate School of Business;	5,5
6	Waikato, University of, Waikato Management School	Waikato, University of, Waikato Management School	Waikato, University of, Waikato Management School	·
7	Cincinnati, University of, Carl H.  Lindner College of Business	Cincinnati, University of, Carl H. Lindner College of Business	Cincinnati, University of, Carl H. Lindner College of Business	7
8	Surrey, University of, School of Management	Minnesota, University of, Carlson School of Management	Minnesota, University of, Carlson School of Management	8
9	Minnesota, University of, Carlson School of Management	Surrey, University of, School of Management	Surrey, University of, School of Management	9
10	University of Edinburgh Business School	University of Edinburgh Business School	National Cheng Kung University; University of Edinburgh Business	10,5
11	National Cheng Kung University	National Cheng Kung University	School	
12	Toulouse Business School - Groupe ESC Toulouse, Chambre de Commerce et d' Industrie de Toulouse	Toulouse Business School - Groupe ESC Toulouse, Chambre de Commerce et d' Industrie de Toulouse	Toulouse Business School - Groupe ESC Toulouse, Chambre de Commerce et d' Industrie de Toulouse	12
13	New Hampshire, University of, Peter T. Paul College of Business and Economics	New Hampshire, University of, Peter T. Paul College of Business and Economics	Alberta, University of, School of Business; New Hampshire, University of, Peter	13,5
14	Alberta, University of, School of Business	Alberta, University of, School of Business	T. Paul College of Business and Economics	

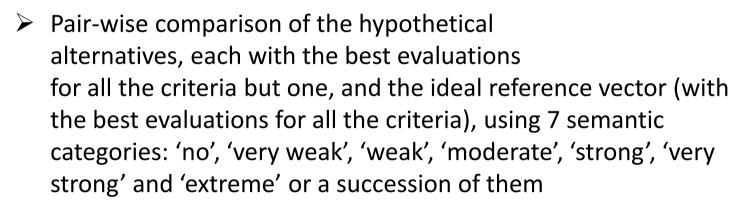
## **Evaluation scale for the selected criteria**

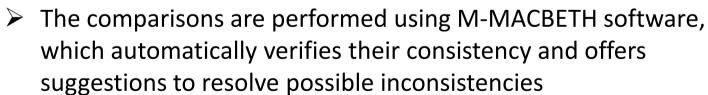
No	Criterion	Evaluation scale		
2	Mission	<b>A1.</b> Consistent with the objectives (covering among other things such categories as ethics, social responsibility, sustainable development, internationalization, globalization, innovation, practice, research etc.)		
		<b>A2.</b> Too wide, too ambitious, covering undesired elements		
		<b>A3.</b> Too narrow, insufficiently ambitious, covering too few desired elements		
	Accreditations	<b>B1.</b> In line with the objectives (2 prestigious accreditations: AACSB business accreditation and 1 more)		
12		<b>B2.</b> Above expectations (more than 2 highly valued accreditations, accreditations inadequate to the profile of the school)		
		<b>B3.</b> Below expectations (less than 2 accreditations or 2 but insufficiently prestigious)		
		<b>C1.</b> In line with the objectives (among the best 30 business schools in Europe according to the well-recognized ranking)		
13	Positions in	C2. Above expectations (for instance leading positions in well-		
15	rankings	recognized worldwide rankings)		
		C3. Below expectations (below 30 <sup>th</sup> place in Europe or not		
		mentioned in highly regarded rankings)		

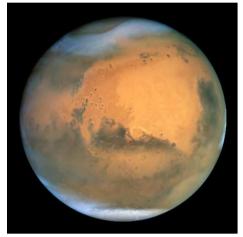
#### **MARS (1)**











Source: www.historyoftheuniverse.com

#### **MARS (2)**

- The MARS procedure continuation:
  - ➤ Solution of the linear program corresponding to the comparisons performed to obtain the scores from the 0-100 scale for the elements compared, i.e. to form the Joint Cardinal Scale (JCS)



Source: www.historyoftheuniverse.com

- Ordering the alternatives with respect to the ideal alternative
  - ➤ Let us substitute the evaluations in each vector describing the alternative considered in the decision-making problem by the corresponding scores from the 0-100 JCS. For each alternative the distance from the ideal alternative is defined by the formula:

$$L_i = \sum_{k=1}^{n} (100 - p_{ik})$$

where  $p_{ik}$  is the score from the 0-100 JCS substituting the assessment of alternative  $a_i$  according to criterion  $f_k$ 

The final complete ranking of the alternatives is constructed according to the distance values L<sub>i</sub> in ascending order

## Results – part 2 (outranking methods + MARS)

No	Business school	Score (the distance from the ideal alternative)
1	St. Gallen, University of, Department of Management	0
2	Waikato, University of, Waikato Management School	68
3	Otago, University of, School of Business	100
4	Aalto University, School of Business	104
5	Pittsburgh, University of, Joseph M. Katz Graduate School of Business	132
6	North Carolina at Chapel Hill, University of, Kenan- Flagler Business School	156
7,5	Cincinnati, University of, Carl H. Lindner College of Business; National Cheng Kung University	172
9	Minnesota, University of, Carlson School of Management	180

#### **Conclusions**

#### **Preliminary selection:**

identification of 14 schools similar to the profile assumed

#### **Ordering with the help of MCDA methods:**

Otago, University of, School of Business; St. Gallen,
University of, Department of Management; Aalto
University, School of Business;
North Carolina at Chapel Hill, University of, KenanFlagler Business School; Pittsburgh, University of,
Joseph M. Katz Graduate School of Business;
Waikato, University of,
Waikato Management School

Thorough examination of the schools mentioned above

**Final decision:** 

3 schools

## Thank you very much for your attention

#### Sources

- 1. AACSB International: <a href="http://www.aacsb.edu/">http://www.aacsb.edu/</a>
- Americal Psychological Association:
   <a href="http://www.apa.org/support/education/accreditation/description.">http://www.apa.org/support/education/accreditation/description.</a>
   <a href="mailto:aspx#answer">aspx#answer</a>
- 3. Górecka D., Roszkowska E., Wachowicz T. (2014) 'MARS a hybrid of ZAPROS and MACBETH for verbal evaluation of the negotiation template. In: Proceedings of the Joint International Conference of the INFORMS GDN Section and the EURO working Group on DSS, P. Zaraté, G. Camilleri, D. Kamissoko, F. Amblard (eds.), Toulouse University, Toulouse, pp. 24-31.