

# **The Centrale Paris Chinese Experience**

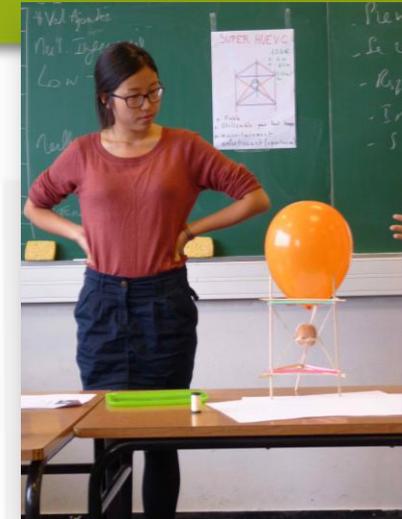
**25 years of Cooperation**

**June 2014**

**M. Zolver & Colleagues**



# An international Higher Education, Research & Innovation Institution... with Local, National and International dimensions



- French “Grande Ecole” founded in 1829
- Multi-disciplinary and complex systems approach in Doctoral, Engineering and Master programs
- Research center in Engineering Sciences
- Open Innovation Institute
- 150 partners, 52 nationalities, 35% of Int. Stdts
- CentraleSupélec
- Paris-Saclay University
- Centrale Group in France Lille, Lyon, Marseilles, Nantes
- Centrale Pékin in China (2005)
- Mahindra Ecole Centrale in India (2014)
- Ecole Centrale Casablanca in Morocco (2015)



# Chinese Cooperation... a long history

- Since the 19th century, Chinese students come to Centrale
- But more recently from 1980's to 1990's
  - ✓ training of Chinese elite students (some are still in France)
  - ✓ punctual research collaboration with each Ecole Centrale
- TianAnMen 1989 brings a lot of uncertainties and stops for few times new development
- In parallel in 1991 emerges the idea of a Centrale Group with one major collaborative action:  
*The Centrale International Development*



# 1990's first concerted action with China: the Double Degree Program

- In 1997, The Double Degree Program following the T.I.M.E. association scheme:

## *the 4+4 agreement*

- ✓ 4: Centrale Paris, Centrale Lyon, Centrale Lille and Centrale Nantes
  - ✓ 4: TsingHuaUniversity, Shanghai JiaotongUniversity, Xi'AnJiaotongUniversity, South West JiaotongUniversity
  - ✓ Funded by CSC and French Scholarships
  - ✓ Centrale Marseille entered in 2006
- 
- 15th anniversary in China in 2012 and new partners entered the program
    - ✓ Beijing JiaotongUniversity
    - ✓ Zhejiang University
- 
- 500 Chinese students and 100 French Students in the program



# 2000's : Centrale IN China

- In 2004, Centrale in Beijing
  - ✓ In a Win-Win spirit Centrale/MoE decided to create an Ecole Centrale curriculum IN China
  - ✓ BeiHangUniversity (BUAA) was chosen as partner
  - ✓ 2005 the first batch of students
  - ✓ in late 2011 the first batch is graduated in the People's Great Hall
- Since, ~ 100 Chinese Students per year are graduated and are entitled « Engineer »
- The Institute hosts regularly French students and many French faculties
- Advanced Master in « Industrial Management » opens in Sept 2014



- Taking advantage of both 4+4 and Centrale in Beijing, Research agreement issued with the CSC in 2006
  - ✓ 40 to 50 scholarships are offered to Centrale for Chinese PhD candidates each year
- In 2008 Centrale becomes founding member of the International Associated Laboratory LIAMA in Informatics and Automatics
- In 2010 is created a new International Associated Laboratory LIA2MCSIS in Mechanics, Materials, Systems and Control



# 2010's : Chinese Universities in Networks

- In 2009 Xi'an Jiaotong University enters the Europe T.I.M.E. network as the first Chinese university, followed by Beihang University in 2013



- In 2009 Centrale Paris answered the Erasmus Mundus call for proposals for the Chinese External Cooperation Window and get it

# 2009-2013 : Erasmus Mundus action 2 - TANDEM



TANDEM

中欧精英大学联盟

TOP ACADEMIC NETWORK FOR DEVELOPING EXCHANGE & MOBILITY



ERASMUS MUNDUS ECW

- 5 consortia have been selected in 2009 for the Chinese External Cooperation Window
  - ✓ 5 coordinating Universities: Centrale Paris, University of Antwerpen, Lund University, Vrije University of Brussels, Gent University
  - ✓ 25M€ for all
  - ✓ 45 European universities from 16 countries + 33 Chinese University from 12 regions
- Centrale program: EM-TANDEM
  - ✓ 20 partners (11 European and 9 Chinese)
  - ✓ 237 people, 37% of women
  - ✓ 4.6 M€
  - ✓ 70% in Engineering



**3rd and 4th June 2013**

**Erasmus Mundus & Beyond  
China External Cooperation Window  
final conference in Beijing, China**



**1000 people for 1000 Years of Mobility !  
« the Beijing declaration »**



Vrije  
Universiteit  
Brussel

## THE BEIJING DECLARATION 3<sup>RD</sup> OF JUNE 2013

The 5 Erasmus Mundus External Cooperation Window (EMECW) consortia coordinated respectively by **Ecole Centrale Paris (France)**, **Lund University (Sweden)**, **Universiteit Antwerpen (Belgium)**, **Universiteit Gent (Belgium)** and **Vrije Universiteit Brussel (Belgium)**, assembled in Beijing on the 3rd of June 2013.

After four years of activities in the framework of the European **Erasmus Mundus programme 2009-2013**, the entire group expresses the wish to share its results and experiences with the relevant Chinese and European authorities and stakeholders. In order to execute this plan, the 5 coordinating institutions in question decided to organize a global meeting in Beijing with the **33 Chinese partner universities** and the **45 European partner universities**, involved in the projects. A special expression of gratitude goes out to **Beihang University** for hosting this event.

By joining their efforts, and thanks to the support of the European Union and the Chinese authorities, the 5 consortia have allowed **812 Chinese grant holders** to benefit from an international mobility period in Europe: 137 bachelor students, 323 master students, 181 doctoral students, 63 post-doctoral researchers and 108 staff members. For Europe, **221 European grant-holders** were able to benefit from an international mobility period in China: 41 bachelor students, 61 master students, 30 doctoral students, 13 post-doctoral researchers and 76 staff members. In addition, 78 internationally recognized universities established and/or strengthened numerous cooperation in the course of the past four years.

With this Declaration, the five coordinating institutions, on behalf of all the **78 partner universities** and the **1033 grant holders**, wish to express their sincere gratitude to the European Commission and to the Education Audiovisual and Culture Executive Agency to have made this possible by funding these projects in the framework of the Erasmus Mundus programme **2009-2013**.

Furthermore, they would like to express their strong belief that international mobility and exchanges are a way to worldwide promote open-mindedness, an innovative and creative spirit and mutual understanding and esteem.

In a trustworthy spirit of cooperation, all the actors who committed themselves to these **5 Erasmus Mundus projects** declare to have acted in accordance with the strategy and objectives of the European Union. They declare their wish to further continue their cooperation and their will to continue contributing to the European-Chinese collaboration.

# 2013 : 78 universities endorsement



Vrije  
Universiteit  
Brussel

**Austria:** Universität Wien, University of Graz. **Belgium:** Universiteit Antwerpen, Antwerp Management School, Universiteit Gent, Université Libre de Bruxelles, Vrije Universiteit Brussel. **China:** Beihang University, Beijing Forestry University, Beijing Normal University, Fudan University, Communication University of China, China University of Political Science and Law, Chongqing University, Graduate School, Chinese Academy of Social Sciences, Harbin Institute of Technology, Huazhong Normal University, Huazhong University of Science and Technology, Liaoning University, Nanjing University, Northwest University, Northwestern Polytechnical University, Ocean University of China, Peking University, Renmin University, Shanghai Jiaotong University, Shanxi University, Shenyang Normal University, Sichuan University, SouthWest Jiaotong University, South West University of Political Science and Law, Tongji university, Tsinghua University, University of Science and Technology of China, Wuhan University, Xiamen University, Xi'an Jiaotong University, Xi'an Technological University, Yanshan University, Zhejiang university. **Czech Republik:** Masaryk University. **France:** Ecole Centrale Paris, Ecole Centrale Lille, Ecole Centrale Lyon, Ecole Centrale Nantes, Ecole Centrale Marseille, Supélec, Université de Lille 1, Université Pierre et Marie Curie. **Germany:** Freie Universität Berlin, Georg-August-Universität Göttingen, Technische Universität München, Universität Duisburg-Essen. **Iceland:** University of Iceland. **Ireland:** University College Dublin, University College Cork. **Italy:** European University Institute, Politecnico di Milano, University of Bologna, Università di Roma la Sapienza. **Liechtenstein:** Universität Liechtenstein. **The Netherlands:** International Institute for Geo-Information Science and Earth Observation, Rijksuniversiteit Groningen. **Poland:** University of Lodz, Uniwersytet Warszawski. **Slovenia:** University of Ljubljana. **Spain:** Universidad Autónoma de Madrid, University Complutense de Madrid, Universidad de Deusto, University of Granada, Universidad Politecnica de Madrid, Universidad Politécnica de Valencia. **Sweden:** Kungliga Tekniska Högskolan, Lund University, Uppsala Universitet. **Turkey:** Sabanci University. **United Kingdom:** University College London, University of Kent.

• 本刊编委荐稿

# 中欧教育交流项目的成效与经验

——以伊拉斯谟世界对外合作窗口项目为例

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因格·曼格肖特 安-索菲·梵德索尔伦 皮亚特·凡·霍夫

译 / 张 鹤

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Since 2002: Alumni Association in China

- More than 500 alumni
- Unique professional and social network for all Centrale graduates



Since 2009: Annual Job fair in ShangHai

- ~15 Companies meet ~140 graduates from Centrale
- French and Chinese
- Double Degree and « Mono » Degree

# CHINA: A Mature cooperation for Centrale

Academic Exchange	Double Degree	International campuses	Doctoral candidates	International Labs	European Programs Networks	Alumni and Graduates
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- Few thousands students, graduates, faculties, alumni
- In an expanding demand for Higher Education and a concurrent environment (France 3rd country of destination: Moroccan, Chinese...)
- For the benefit of economic and diplomatic relations between China, France and more generally Europe

With some perspectives:

- Executive education
- Dissemination over China
- UMI for research
- ...

