

PhD : THE NEW CONTEXT AND ITS IMPACTS

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PLAN

A NEW CONTEXT FOR THE PhD

- The globalization of higher education
- The knowledge economy
- The global problems without passport

IMPACTS ON THE PhD PROGRAMS AND SUPERVISION

- For the national system
- For the institution
- For supervision

CONCLUSION

- Looses or gains

PART 1



A NEW CONTEXT FOR THE PhD



GLOBALIZATION: AN APPROACH

- Globalization is not external to academia, which would dictate the directions to be taken or determine its choices
- Globalization cannot be reduced simply to the globalization of the economy and to neoliberalism
- There is not one but several globalisations, each, it can be assumed, having its own dynamics
- Globalization corresponds to a redefining of their sphere of action by all players
- Universities as actors of the globalization of Higher education
- WHICH action's logic?

THE GLOBALIZATION OF HIGHER EDUCATION :



4 PRACTICES

- A BUSINESS PRACTICE
 - Trade
- A COOPETITION PRACTICE
 - Research
- AN INTERNATIONALIZATION PRACTICE
 - Student Mobility
- AN INTERNATIONAL DEVELOPMENT PRACTICE
 - Aid

A BUSINESS PRACTICE



- SELLING AND EXPORTING EDUCATIONAL PRODUCTS: PROGRAMS, COURSES, ONGOING EDUCATION, DISTANCE EDUCATION, ETC...
- OPENING SUBSIDIARIES OR BRANCHES
- RECRUITING FOREIGN STUDENTS
- ACADEMIC AND NON-ACADEMIC PLAYERS

A “COOPETITION” PRACTICE



INTERNATIONAL REPUTATION, PRESTIGE AND POSITIONING :

- THE RACE FOR THE BEST: PROFESSORS, RESEARCHERS, STUDENTS, INTERNATIONAL PRIZES AND AWARDS
- INTERNATIONAL RANKINGS AND WORLD CLASS UNIVERSITIES
- THE CENTRALITY OF RESEARCH ACTIVITIES
- THE QUALITY OF INTERNATIONAL PARTNERS
- CREATION OF INTER-UNIVERSITY AND INTERNATIONAL NETWORKS AND THE NEW HIERARCHY AMONG UNIVERSITIES:
 - TRAINING: INTEGRATED INTERNATIONAL PROGRAMS, NEW FORM OF DIPLOMA, ERASMUS MUNDUS
 - RESEARCH: INTERNATIONAL NETWORK OF RESEARCH (IARU)



AN INTERNATIONALIZATION PRACTICE



- CONSOLIDATING THE QUALITY OF PROGRAMS
- IMPROVING THE EDUCATION OF STUDENTS,
INTERNATIONAL AND INTERCULTURAL SKILLS
- MOBILITY PROGRAMS
- INTERNATIONALIZING THE PROGRAMS AND THE
CAMPUS



STUDENT MOBILITY: OLD AND NEW MODELS



NO IMPACT ON DIPLOMA

- UNDERGRADUATE AND GRADUATE

WITH IMPACT ON DIPLOMA

(THE NEW ACADEMIC FLEXIBILITY)

- UNDERGRADUATE
 - JOINT DEGREE: 2+2 NORTH-SOUTH
- GRADUATE
 - JOINT DEGREE
 - SHARED THESIS SUPERVISION
 - INTERNATIONALLY INTEGRATED PROGRAMS



INTERNATIONAL DEVELOPMENT PRACTICE AID



- INVOLVEMENT IN NORTH-SOUTH INTER-UNIVERSITY RELATIONS
- DEVELOPMENT OF INSTITUTIONAL CAPACITIES...



THE FOUR PRACTICES AT WORK



- RESEARCH AND COOPETITION: THE MAIN DRIVER
- THE GROWTH OF TRADE: UNDER-FUNDING OF UNIVERSITIES
- TOWARD A NEW MODEL OF STUDENT MOBILITY
- INTERNATIONAL DEVELOPMENT: AT THE MARGIN OF INTERNATIONAL EDUCATION



THE MAIN COMPONENTS OF THE KNOWLEDGE ECONOMY



- INNOVATION
- INTERNATIONAL COMPETITIVENESS
- INVESTMENTS IN HUMAN CAPITAL: THE NEW INNOVATORS

RESEARCH:

- FROM RESSOURCE TO ENGINE OF THE KNOWLEDGE ECONOMY
- THE NEW STRUCTURE OF THE PRODUCTION COST OF A GOOD

THE PUBLIC POLICIES OF THE KNOWLEDGE ECONOMY (D. Foray)



- human capital
- research and innovation
- Development
- financial crisis and real knowledge economy
- knowledge policy

KNOWLEDGE ECONOMY AND THE EUROPEAN STRATEGY



- COMMON PRACTICES FOR EXPANDING LARGE RESEARCH FACILITIES
- MORE COOPERATION AND EXCHANGES BETWEEN NATIONAL RESEARCH AND TECHNOLOGICAL AGENCIES AND ORGANISATIONS
- MORE COMMON MEANS, REFERENCES AND POLICIES TO SUPPORT INVESTMENT IN RESEARCH AND INNOVATION
- PERSONNEL-DEVELOPMENT STRATEGIES TO UNIVERSITIES AND RESEARCH INSTITUTIONS AND AIMED AT IMPLEMENTING THE EUROPEAN CHARTER FOR RESEARCHERS

Source Europe 2020 Policy Strategy

A NATIONAL SYSTEM OF INNOVATION AND SCIENCE POLICY, EMPHASIS IS ON (1 of 3):



A. PEOPLE

1. PEOPLE MORE IMPORTANT AND STRATEGIC THAN FISCAL MEASURES
2. HIGHLY EDUCATED KNOWLEDGE WORKERS CRUCIAL TO SCIENTIFIC KNOWLEDGE PRODUCTION AND APPLICATIONS

B. COMPETENCIES

3. COMPETENCIES IN SCIENTIFIC AND TECHNOLOGICAL KNOWLEDGE
4. TRANSFERABLE SKILLS (TRANSDISCIPLINARY OR INTERDISCIPLINARY PROBLEM SOLVING, COMMUNICATION, LEADERSHIP, ENTREPRENEURSHIP, MANAGEMENT, COMMUNICATION, ETC)

A NATIONAL SYSTEM OF INNOVATION AND SCIENCE POLICY, EMPHASIS IS ON (2 of 3):



C - KNOWLEDGE CLUSTERS

1. AN EFFICIENT WAY TO BRING TOGETHER HIGHLY QUALIFIED PERSONNEL WITH RELEVANT SKILLS AND COMPETENCIES
2. LOCAL, REGIONAL PHENOMENA
3. INTEGRATION OF DIFFERENT KIND OF ACTORS: PRIVATE INDUSTRY AND ORGANIZATION, GOVERNMENT, STATE SERVICES, CIVIL SOCIETY ACTORS, UNIVERSITY

A NATIONAL SYSTEM OF INNOVATION AND SCIENCE POLICY, EMPHASIS IS ON (3 of 3):



C - KNOWLEDGE CLUSTERS

4. TRANSDISCIPLINARY OR INTERDISCIPLINARY, BECAUSE BASED ON A NEW INNOVATION AND ITS APPLICATION
5. KNOWLEDGE CLUSTERS ARE ALSO NATIONAL AND GLOBAL
 - THE COOPERATION PRACTICE
 - A NEW GEOPOLITICS OF RESEARCH

THE NEW INVISIBLE COLLEGE

THE GLOBAL PROBLEMS WITHOUT PASSPORTS



- THE NEW ISSUES OF WORLD POLITICS
- A BROADER DEFINITION OF SECURITY: FOOD, HEALTH, CLIMATE
- DEVELOPMENT, SOCIAL JUSTICE, HUMAN RIGHTS, EDUCATION, ETC
- NEW KNOWLEDGE, RESEARCH AND SCIENTIFIC INFORMATION AS KEY ELEMENTS
- KNOWLEDGE DIPLOMACY

PART 2



THE IMPACTS ON PhD

ON THE NATIONAL SYSTEM OF UNIVERSITY



A. FUNDING

- A NEW BALANCE BETWEEN PUBLIC, PRIVATE AND INSTITUTIONAL FUNDING

B. CONCENTRATION OF RESEARCH AND PhD PROGRAMS

USA: 37 UNIVERSITIES OUT OF 4 000 GRADUATED 50% OF PhD'S AND HAVE ABOUT THE SAME SHARE OF THE RESEARCH BUDGET

CANADA: 15 UNIVERSITIES OUT OF 95 HAVE IN 2007-08 78% OF THE TOTAL MONEY INVESTED IN UNIVERSITY RESEARCH AND GRADUATED, 68.2% OF THE PhD

THE IMPACT ON THE NATIONAL SYSTEM OF UNIVERSITY



- DIVERSIFICATION, COMPLEMENTARITY OR VERTICAL DIVISION
- A NEW INSTITUTION: THE INTENSIVE RESEARCH WORLD CLASS UNIVERSITY?
 - The triple autonomy academic, management and financial
 - State regulation and not state control
- A CULTURE OF MARKET: PROJECTS AND COMPETITION

THE IMPACT ON THE INSTITUTION



- FROM MODE 1 TO MODE 2
- AN INSTITUTIONAL INNOVATION: THE GRADUATE FACULTY
- THE FINANCIAL ISSUE: FUNDING RESEARCH AND PhD STUDENTS
- INTERNATIONAL STRATEGY: RESEARCH AND RECRUITMENT ACADEMICS AND STUDENTS, THE BRAIN DRAIN ISSUE
- COMMERCIALISATION OF RESEARCH ACTIVITIES
- INVESTMENTS IN EQUIPMENT: LABS, ITC TO GET ACCESS TO SPATIALLY EXTENSIVE WEBS, NODES AND SITES
- A LINK WITH THE LABOR MARKET: 50% OF PhD WILL WORK OUTSIDE UNIVERSITIES
- AN ECONOMIC ACTOR?

THE CHANGING CONDITIONS OF DOCTORAL TRAINING (1 of 3)



THE THREE COMPONENTS OF A PhD PROGRAM

- TRADITIONAL RESEARCH COMPETENCIES (UNDERTAKING RESEARCH AND PUBLISHING)
- TRANSFERABLE SKILLS: BRINGING THE RESEARCH FINDING OUTSIDE THE ACADEMIC WORLD (COMMUNICATION, FLEXIBILITY, ENTREPRENEURSHIP, MANAGEMENT, ETC)
- INTERCULTURAL SKILLS TO BE ABLE TO FUNCTION IN INTERNATIONAL NETWORK, TEAM, ETC, THE LANGUAGE ISSUE

THE CHANGING CONDITIONS OF DOCTORAL TRAINING (2 of 3)



RENEW SUPERVISION

- FROM INDIVIDUAL TO COLLECTIVE SUPERVISION
- FROM LOCAL TO INTERNATIONAL SUPERVISION
- LABORATORY OR COMMON SPACE FOR EVERY DAY RESEARCH ACTIVITIES
- PROFESSIONAL SOCIALISATION: FROM INTERNATIONAL CONFERENCE TO INTERNSHIP

THE CHANGING CONDITIONS OF DOCTORAL TRAINING (3 of 3)



INNOVATIVE PROGRAMS

- INTERDISCIPLINARITY
- INTERNATIONALLY NETWORKED OR INTEGRATED PROGRAM
- DOUBLE DEGREE, COSUPERVISION OF THESIS, ETC
- INTERNATIONAL QUALITY ASSURANCE AND ASSESMENT

THE PROFESSIONAL DOCTORATE



CONCLUSION

- FROM ENTERPRISE TO UNIVERSITY
- FROM UNIVERSITY TO GLOBAL MULTIVERSITY
- TOWARD A GLOBAL PhD OR A GLOBAL SPACE OF PhD?
- NO PhD WITHOUT RESEARCH CAPACITY
- FROM PhD STUDENT TO YOUNG RESEARCHER
- LOOSES OR GAINS?



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