WP.1, DEV. 1.4 ROUNDTABLE ON MANAGEMENT MODELS
12-13 JULY 2017
AMMAN, JORDAN
ROADMAP

1- STRENGTHS AND WEAKNESSES

1- University Vision, Strategy and policy
- ● Strengths
  - ✓ Each university has a vision.
- ● Weakness
  - ✓ Those vision are not Clear and powerful enough

2- Sustainability of research programs
- ● Strengths
  - ✓ A continuous supply of graduate students (Morocco)
- ● Weakness
  - ✓ A continuous supply of graduates students (Jordan)
  - ✓ A stable and qualified faculty members
  - ✓ Brain drain
  - ✓ Sustainable Funding
  - ✓ R&D results evaluation (accountability)

3- Collaboration with industry
- ● Strengths
- ● Weakness
  - ✓ Collaborative R&D;
  - ✓ spinoffs/startups

4- Internationalization

- ● Strengths

  - ✓ Too many conventions and memorandum.
- ● Weakness

- ✓ Exchange students.
- ✓ funding.
- ✓ collaboration with universities (joint program , joint articles)
- ✓ collaboration with industry
5- Governance of the research and innovation system (legal framework, decision making, accountability mechanisms, funding bodies)
   - ● Strengths
   - ● Weakness
     - ✓ Non adaptable legal framework
     - ✓ Management of research and innovation

2- THREATS AND OPPORTUNITIES

●**Threats**

- • Policies
    - – Low adaptively
    - – Centralized decision- and operation environment
    - – Top-down approach

- • Funding
    - – Lack of long-term plans
    - – Poor efficient allocation

- • Governance of Research Management
    - – Lack of flexibility to support researchers
    - – Need to functional administration supporting innovation in universities
    - – Need to harmonize research management with basic laws
- • Lack of sustainable research programs

● **Opportunities**

- • Human Resources
    - – Strong academic institutions
    - – Young motivated researches
    - – Empowered women
- • Network
    - – Leading to support (example Erasmus +)
    - – New initiatives
    - – Potential for consortiums
- • Linkage with industry
    - – Employ applied research to solve specific problems for industry
    - – Commercialize research
    - – Spin-off (Morocco)

3- CREATE PROPOSAL FOR INNOVATION AND RESEARCH MANAGEMENT MODELS

- The top management must be involved and give support to make change and let the innovation go one.
- Research and innovation, it is important to links between industry and academic looking to funding.
- Classify the priory of scientific research Leeds to innovation.
- Thinks about process to manage research and innovation, developing implantation an office supporting of the research activity (identify the call for projects, managing the projects, mobility, write and Commercializing, developing start up spin off, intellectual properties management …etc)
- Result of research must be shared with industry to promote and support the researcher.
- **Note: The road map will comprehend a timely set of:**
  - **Steps**
    - **Reducing number of steps**
    - **Dissemination of successful projects/ awareness-raising campaign on the importance of Research and Innovation**
    - **Final year project (thesis) for graduating students (seniors/final year students)**
    - **Linking industry and research**
    - **Supporting mechanisms (regulations) for the commercialization or marketing of research**
    - **Institutionalization of IPR and patents management**
    - **Having innovation centers that incubates students' innovative ideas with the support of faculty members and university regulations**
    - **Having regulations that protect researchers' rights with patents – contracts between university and researcher**
    - **Support office for entrepreneurial activities / efforts and for research management (e.g. in administrative procedures)**
    - **Capacity building in incubation and sharing of best practices of local successful stories**
    - **Involving university top management**
    - **The universities shall define their own areas of expertise (maybe 3 or 4)**
  - **Proceedings**
    - **Receiving feedbacks every 6 months / regularly**

- Procedures
  - Networking instruments to link academia and industry
  - Centralized office and/or a technical committee that manages the IP and innovation process. Hire people from the industry or train people from universities on IP/innovation issues
  - Legal framework at national level that shall be customized to each university according to their needs and requirements
  - Legal framework at university level
  - Evaluation mechanisms
  - Investment on infrastructures
- and guidelines
  - focusing on research leading to innovation
  - a system of rewarding and incentives for innovative ideas and active researchers

to pursue and supervene in order to devise an efficient model of innovation and research management

funds and laws