Tempus and Erasmus+ in Jordan: Impact, Success Factors, and Challenges

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Erasmus+ Information Day
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Jordan
Jordan

[Images of Jordanian landscapes and landmarks]
Jordan

- 10 public universities, 268,150 students (females 137,804 - 51.3%)
- 18 private universities, 66,655 students (females 23,845 - 35.8%)
- Overall female ratio = 48.2%
- 12 public colleges, 16 private colleges

Tempus and Erasmus+ in Jordan – A Snapshot

• Jordan started participating in Tempus as of Dec. 2002
• 54 Tempus projects (45 JP + 9 SM)
• 16 projects selected for funding under 1st Erasmus+ call
• 7 projects selected for funding under 2nd Erasmus+ call
• Out of the 77 projects, 4 have participants Poland
• Jordan is Grant holder in 14 projects (7 T - 7 E+)
• About 600 mobilities under Erasmus Mundus
• About 1,150 mobilities with Jordan (student and staff, ingoing and outgoing) in 1st and 2nd calls of the International Credit Mobility action
Projects at Public Jordanian Universities

- The University of Jordan: 36 projects
- Jordan University of Science & Technology: 28 projects
- Mutah University: 19 projects
- The Hashemite University: 16 projects
- Yarmouk University: 16 projects
- German Jordanian University: 15 projects
- AL-Balqa Applied University: 8 projects
- AL-Hussein Bin Talal University: 7 projects
- Al albayt University: 3 projects
- Tafila Technical University: 3 projects
Projects at Private Jordanian Universities

- Princess Sumaya University for Technology: 22
- Al-Zaytoonah University of Jordan: 4
- Zarqa University: 4
- Jerash University: 3
- Petra University: 3
- Philadelphia University: 2
- American University of Madaba: 2
- Arab Open University: 2
- Isra University: 1
- Irbid National University: 1
- Al-Ahliya Amman University: 1
- Applied Science University: 0
Projects at Jordanian Organizations
European Partners Involvement in Projects
MEDA Partners Involvement in Projects

- Egypt (EG): 24
- Lebanon (LB): 21
- Palestinian Authority (PS): 20
- Morocco (MA): 13
- Syria (SY): 12
- Tunis (TN): 10
- Algeria (DZ): 6
- Libyan Arab (LY): 2
- Iraq (IQ): 1
<table>
<thead>
<tr>
<th>Project ID</th>
<th>Title</th>
<th>Polish HEI</th>
<th>EU/Program Country HEIs</th>
<th>Jordanian Partner</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-Jp516686</td>
<td>Development of Joint International Master Degree and Lifelong Learning Framework in Mechatronics</td>
<td>Silesian University of Technology, PL</td>
<td>• Hochschule Bochum - Bochum University of Applied Sciences, DE&lt;br&gt;• E.ON Ruhrgas AG, DE&lt;br&gt;• London South Bank University, UK&lt;br&gt;• Deutsche Gesellschaft für Mechatronik, DE</td>
<td>• German Jordanian University&lt;br&gt;• Philadelphia University</td>
</tr>
<tr>
<td>2012-JP530632</td>
<td>EU-EG-JO Joint Master Programme in Intelligent Transport Systems</td>
<td>Gdańsk University of Technology, PL</td>
<td>• Linköping University, SE&lt;br&gt;• University of Zilina, SK</td>
<td>• Al-Ahliyya Amman University&lt;br&gt;• Mutah University&lt;br&gt;• The University of Jordan&lt;br&gt;• Jordan University of Science and Technology&lt;br&gt;• Ministry of Public Works and Housing&lt;br&gt;• The Jordan Traffic Institute</td>
</tr>
<tr>
<td>2013-SM544198</td>
<td>Modernisation of Institutional Management of Internationalisation in South Neighbouring Countries: towards an internationalization Management Model</td>
<td>Warsaw University of Technology, PL</td>
<td>• Universitat de Barcelona, ES&lt;br&gt;• Campus France, FR&lt;br&gt;• Sapienza Universita’ di Roma, IT&lt;br&gt;• Université de Montpellier 1, FR&lt;br&gt;• CHE Consult GmbH, DE&lt;br&gt;• Carinthia University of Applied Sciences, AT&lt;br&gt;• European Association on Internationalisation of Higher Educati, NL&lt;br&gt;• Agencia Nacional de Evaluación de la Calidad y Acreditación, ES</td>
<td>• Princess Sumaya University for Technology&lt;br&gt;• Yarmouk University&lt;br&gt;• Ministry of Higher Education and Scientific Research&lt;br&gt;• Association of Arab Universities</td>
</tr>
<tr>
<td>2015-JP561768</td>
<td>Master Curriculum, Capacity Building and Network Development in Traffic Safety in Egypt, Jordan and Lebanon</td>
<td>POLITECHNIKA GDANSKA, PL</td>
<td>• Linkopings Universitetet, Se&lt;br&gt;• Universitat Politecnica De Valencia, Es</td>
<td>• Al-Balqa’ Applied University&lt;br&gt;• German Jordanian University&lt;br&gt;• Ministry Of Transport</td>
</tr>
</tbody>
</table>
Impact: Preparing and Managing Competitive Proposals

- Tempus and Erasmus+ enabled Jordanians to prepare better projects.
- ... and also to manage these projects.

Number of T & CBHE Projects Coordinated by Jordanian HEIs
Impact: Establishing Collaboration with EU & Arab Countries

• Jordanian HEIs established links and collaborated with their counterparts in 24 EU (Programme), Russia, Turkey and 9 Arab countries including Iraq for the first time.

• Links with EU and MEDA have considerable value, equal to or even exceed direct benefits gained from projects in particular themes.

• Tempus helped public HEIs to collaborate with each other, and also for public and private HEIs to collaborate with each other.

• And it helped linking academic institutes with enterprises, which is very valuable to graduates and the economic process.

• These links form a good and solid foundation for future cooperation between Jordan and EU that will last for many years to come.
Impact: Contributions to Curriculum Reform – New Programs

• Development of new Masters & Bachelors programs, or reform of existing ones, in several fields of study, including:
  o Adult health nursing,
  o Community health nursing,
  o Archaeological sciences,
  o Cultural heritage,
  o Biomedical Informatics and Biomedical Engineering
  o ICT and Media Coverage
  o Water Management and Desalination Engineering
  o Public Policy and Child Rights
  o Telecommunications Engineering
  o Renewable energy
  o Mechatronics
  o Environmental Engineering and Climate Change
  o Sustainable & Maintenance Engineering
  o Enterprise Systems Engineering
  o Intelligent Transport Systems
  o Wireless Communications
  o ............
Impact: Contributions to Curriculum Reform – New Projects

- Development of new Masters & Bachelors programs, or reform of existing ones, in several fields of study, including:
  - Improving Higher Education Quality in Jordan using Mobile Technologies for Better Integration of Disadvantaged Groups to Socio-economic Diversity,
  - Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation,
  - Smart Control Systems for Energy Management: New Master Degree,
  - Vocational training center for undergraduate university students and teachers
  - Master Curriculum, Capacity Building and Network Development in Traffic Safety
  - Development of Health Informatics integrated curricula in Computing and Health-oriented undergraduate degrees,
  - Modernization of teaching methodologies in higher education,
  - Promotion of Innovation Culture in the Higher Education,
  - Master in Health Informatics,
  - Joint Programs and Framework for Doctoral Education in Software Engineering,
  - Establishment of an Interdisciplinary Clinical Master Program in Rehabilitation Sciences
  - ............
Impact: Contributions to Institutional Development & Reform

• Introducing the concept of service learning into the curriculum
• Re-orienting university curricula to address sustainability
• Strengthening institutional capacity
• Assisting in the internationalization of higher education
• Modernizing and strengthening institutional and financial autonomy in HEIs
• Enhancing student services
• Enhancing quality assurance management in Jordanian universities
Impact: Contributions to Institutional Development & Reform/new projects

• Modernization of Institutional Management of Innovation and Research in South Neighboring Countries,
• A bottom-up approach for opening up education in South-Mediterranean countries,
• The MEDiterranean Public HEALTH Alliance,
• Modernising human Resource management In South Mediterranean higher Education,
• Developing skills in the field of integrated energy planning in Med Landscapes,
• Towards a National Qualifications Framework for Jordan,
• European project desigN and management In the South MediTerranean region,
• Fostering Academia-Industry Collaboration in Food Safety and Quality.
• Refugees Education Support in mena CoUntriEs.
Impact: Establishing Physical Facilities

- Most Tempus projects assisted HEIs to establish teaching facilities to assist in delivering study programs.
- Several new facilities were established and some existing ones were enhanced (computer labs, servers to host e-learning material, video conference facilities, specialised equipment for certain disciplines).
Hundreds of Jordanian students participated in exchange visits to Europe.

Comparable numbers of European students participated in exchange visits to Jordan and MEDA countries.

Through these visits, students attended short summer courses (two to four weeks duration), conducted case studies, and did internships.

Visits had great impact on students’ personalities, interpersonal skills, communication, leadership, cultural understanding, etc.

Jordanian students benefited from Tempus and other EU programmes directly and indirectly.
Impact: Enhancing Skills of Faculty and Administrative Staff

• Hundreds of Jordanian faculty members and administrators participated in exchange visits to Europe.
• Comparable numbers of European staff members participated in exchange visits to Jordan and MEDA countries.
• Through these visits, staff members learnt how EU staff teach their courses, visited physical facilities, looked at training materials, reviewed lab experiments, saw how EU faculty interact with students, etc.
• Visits assisted Jordanian faculty members to enhance contents of their courses, enhance course delivery and assessment, draft specifications of new labs or update these, ...
Factors of Success
Factors of Success: Project Level

- Ownership, commitment, and team spirit of partners
- Management structure and management tool(s)
- Decision making mechanism, transparency of decisions, conflict resolution mechanisms
- Involving as many staff as possible, especially from PCs
- Involving students (in project design and activities)
- Sharing all information related to project
- Distribution of tasks among partners
- Awareness campaign(s) and dissemination of results
- Good relations among partners, both in PCs and EU countries (*be friends - open up your heart!*).
Factors of Success: PC HEIs

- HEI desire and interest in international cooperation
- Support and commitment of decision makers (President/Rector, Vice-President, Deans, Chairpersons, ...)
- Ownership and commitment of involved staff at HEI (finance unit, quality unit, deanship of graduate studies, ...)
- Incentives/encouragement to project staff
- Capacity and professionalism of support staff
- Flexible rules, regulations, and procedures
- Capacity to manage funds from external sources
Factors of Success: EU HEIs

- Ownership and Commitment
- Willingness to share experience with others
- Knowledge of the situation in the partner countries
- Interest in learning (about other cultures)
- Experience in project management
- Effective and transparent procedures
- Sharing of project information with PC staff
- Flexibility and adaptability
- Willingness to give!
Factors of Success: Environment

• Interest and commitment of policy-makers (ministry, other national structures)
• Legal and administrative framework
• The National Erasmus+ Office:
  ▪ Good relations with government and HEIs
  ▪ Good relations with EU Delegation and EU offices
  ▪ Highly visible awareness campaigns
  ▪ Close follow-up (and monitoring) of projects
  ▪ Frequent visits to HEIs and talk to top management.
  ▪ Good/sincere efforts to assist/support/advise staff & students
  ▪ Disseminating best practice and giving advice to improve.
  ▪ Establishing confidence & earn respect for the program!
  ▪ NEO is there to help when & if needed – and not a policeman!
Erasmus+ CBHE: Jordan Priorities, Category A

Category A – Subject Areas (for curriculum development projects)

• Teacher training and education science
• Humanities
• Physical sciences
• Computing
• Engineering and engineering trades
• Manufacturing and processing
• Architecture and building
• Agriculture, forestry and fishery
• Health
• Social Services
Erasmus+ CBHE: Jordan Priorities, Categories B, C, D

Category B - Improving quality of education and teaching: Support to learning and teaching tools, methodologies and pedagogical approaches

Category C - Improving management and operation of higher education institutions: Support to:
- University services, such as support services for student mobility, student counselling and guidance, social services, academic affairs, libraries etc.
- Internationalization of higher education institutions (including recognition mechanisms and mobility, international relations capacities)
- Quality assurance processes and mechanisms
- Development of research and innovative capacities

Category D - Developing the Higher Education sector within society at large: Support to:
- Development of school and vocational education
- Qualification frameworks
- Knowledge triangle, innovation
Challenges

• Better understanding and appreciation of the Bologna Process and its tools
• Developing relevant projects in Structural Measures and achieving actual benefits
• Several Jordanian HEIs have little or no involvement in projects.
• Only few T & E+ projects in humanities and social sciences.
• Results in International Credit Mobility of E+ were below expectation – both in number and coverage of HEIs.
• One project so far in Jean Monnet.
International Credit Mobility (KA107) 2015 Selection Results for South-Mediterranean

<table>
<thead>
<tr>
<th>Partner Country</th>
<th>Projects</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algeria</td>
<td>33</td>
<td>365</td>
</tr>
<tr>
<td>Egypt</td>
<td>65</td>
<td>723</td>
</tr>
<tr>
<td>Israel</td>
<td>144</td>
<td>1,645</td>
</tr>
<tr>
<td>Jordan</td>
<td>50</td>
<td>517</td>
</tr>
<tr>
<td>Lebanon</td>
<td>51</td>
<td>408</td>
</tr>
<tr>
<td>Libya</td>
<td>4</td>
<td>21</td>
</tr>
<tr>
<td>Morocco</td>
<td>95</td>
<td>1,189</td>
</tr>
<tr>
<td>Palestine</td>
<td>42</td>
<td>325</td>
</tr>
<tr>
<td>Syria</td>
<td>5</td>
<td>35</td>
</tr>
<tr>
<td>Tunisia</td>
<td>51</td>
<td>639</td>
</tr>
<tr>
<td>Total:</td>
<td>540</td>
<td>5,867</td>
</tr>
</tbody>
</table>

Number of Participants by Partner Country
<table>
<thead>
<tr>
<th>Programme Country</th>
<th>Projects</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Cyprus</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Finland</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>France</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Germany</td>
<td>8</td>
<td>127</td>
</tr>
<tr>
<td>Greece</td>
<td>4</td>
<td>24</td>
</tr>
<tr>
<td>Italy</td>
<td>3</td>
<td>33</td>
</tr>
<tr>
<td>Latvia</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Lithuania</td>
<td>2</td>
<td>25</td>
</tr>
<tr>
<td>Poland</td>
<td>3</td>
<td>23</td>
</tr>
<tr>
<td>Portugal</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>Romania</td>
<td>2</td>
<td>24</td>
</tr>
<tr>
<td>Slovenia</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>Spain</td>
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<tr>
<td>Sweden</td>
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<td>23</td>
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<tr>
<td>Turkey</td>
<td>3</td>
<td>91</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>50</strong></td>
<td><strong>517</strong></td>
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</tbody>
</table>
# ICM Projects with Poland 2015

<table>
<thead>
<tr>
<th>Partner Country</th>
<th>Partner Country HEI</th>
<th>Programme Country</th>
<th>Programme Country HEI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jordan</td>
<td>Al Hussein Bin Talal University</td>
<td>PL</td>
<td>Wyższa Szkoła Finansów i Prawa w Bielsku-Białej</td>
</tr>
</tbody>
</table>
2016 estimated mobilities

- USA Canada: 1,400
- Asia: 3,200
- Central Asia: 1,400
- Latin America: 1,400
- South Africa: 450
- Africa, Caribbean, Pacific: 1,300
- Eastern Partnership: 5,300
- South Mediterranean: 7,000
- Western Balkans: 6,500
- Asia industrialised: 1,500
### South-Mediterranean 2016 selection results

<table>
<thead>
<tr>
<th>Country</th>
<th>Applications</th>
<th>Selected Projects</th>
<th>Success Rate</th>
<th>Grant Awarded (EUR)</th>
<th>Participants Awarded</th>
<th>Participants Incoming (to EU)</th>
<th>Participants Outgoing (from EU)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algeria</td>
<td>49</td>
<td>25</td>
<td>51 %</td>
<td>1650000</td>
<td>450</td>
<td>363</td>
<td>87</td>
</tr>
<tr>
<td>Egypt</td>
<td>78</td>
<td>49</td>
<td>63 %</td>
<td>2107000</td>
<td>616</td>
<td>422</td>
<td>194</td>
</tr>
<tr>
<td>Israel</td>
<td>159</td>
<td>119</td>
<td>75 %</td>
<td>6200000</td>
<td>1962</td>
<td>1123</td>
<td>839</td>
</tr>
<tr>
<td><strong>Jordan</strong></td>
<td><strong>62</strong></td>
<td><strong>40</strong></td>
<td><strong>65 %</strong></td>
<td><strong>1993000</strong></td>
<td><strong>649</strong></td>
<td><strong>409</strong></td>
<td><strong>240</strong></td>
</tr>
<tr>
<td>Lebanon</td>
<td>82</td>
<td>46</td>
<td>56 %</td>
<td>2038000</td>
<td>577</td>
<td>432</td>
<td>145</td>
</tr>
<tr>
<td>Libya</td>
<td>3</td>
<td>2</td>
<td>67 %</td>
<td>40000</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Libya</td>
<td>3</td>
<td>2</td>
<td>67 %</td>
<td>40000</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Morocco</td>
<td>134</td>
<td>79</td>
<td>59 %</td>
<td>4483000</td>
<td>1220</td>
<td>857</td>
<td>363</td>
</tr>
<tr>
<td>Palestine</td>
<td>56</td>
<td>40</td>
<td>71 %</td>
<td>1453000</td>
<td>419</td>
<td>304</td>
<td>115</td>
</tr>
<tr>
<td>Syrian Arab Republic</td>
<td>8</td>
<td>7</td>
<td>88 %</td>
<td>215000</td>
<td>51</td>
<td>51</td>
<td>51</td>
</tr>
<tr>
<td>Tunisia</td>
<td>74</td>
<td>43</td>
<td>58 %</td>
<td>2697000</td>
<td>672</td>
<td>507</td>
<td>165</td>
</tr>
<tr>
<td><strong>Total Region</strong></td>
<td><strong>390</strong></td>
<td><strong>258</strong></td>
<td><strong>66 %</strong></td>
<td><strong>22876000</strong></td>
<td><strong>6627</strong></td>
<td><strong>4479</strong></td>
<td><strong>2148</strong></td>
</tr>
</tbody>
</table>
Thank You