Building Resilience – The Geospatial Way for Billions

Moderator: Prof Dr Dieter Fritsch, Univ Stuttgart, Vice Chair UN-GGIM PSN WG Land Management & Admin

5 Presenters:

Dr Manosi Lahiri: *Immunization Data Analytics for Sustainable Development*
Remco Dost: *Increasing Uptake of Satellite EO Data & Services in the Agricultural Development Community*
Yelena Ogneva-Himmelberger: *Sustainable Development Goals and Geospatial Education*
Melanie Eckle: *Empowering Citizens with Open Map Data*
Tessa Speijer: *Leaving no Rights Behind: Customary Land Ownership in Uganda and the SDGs*
The German University in Cairo (GUC) - Best Practice for Implementing the UN SDGs 2030 in Egypt

Dieter Fritsch & Ashraf Mansour
Facts and Figures:

- Area: 30,370,000 sqkm
- Population: 1,225,080,510 (2016)
- Population density: 36.4 per sqkm
- GDP (nominal) $2.33 trillion (2018; 5th)
- GDP (PPP): $6.74 trillion (2018; 5th)
- Countries: 54
- Languages: 1250-3000 native languages
- Time zones: UTC-1 to UTC+4
1. United Nations SDGs and Africa

- **The Egypt Example**: 1950s: 50 million people → 2020: 100 million → 2030 120-130 million.
- From 1 million sqkm only 4-5% can be urbanized! 30-40% illiteracy, unstable gvnmt since 2011, terrorism,
- Urgent demand for implementing all SDGs!
“Building a leading centre of excellence in teaching and research that will effectively contribute to the general welfare nationally and internationally and endeavour the scientific, technical, economic and cultural cooperation between Egypt and Germany”.

Prime Founder and Chairman of Board of Trustees (1994)
2. GUC Site (October 2001)
4. GUC Campus Today
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## 5. GUC Facts & Figures

### Total Number of Enrolled Students:

12,947 (17/18) 15,000 (03/19)

(Undergraduates & Postgraduates 2017/2018)

### Total Number of Postgraduates Students:

2,041

### Total Number of undergraduate Students:

10,906

<table>
<thead>
<tr>
<th>Study Group</th>
<th>Total Number of Students</th>
<th>Total %</th>
<th>Female %</th>
<th>Male %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Science &amp; Arts (Design Program)</td>
<td>1,176</td>
<td>10.80%</td>
<td>88.06%</td>
<td>11.94%</td>
</tr>
<tr>
<td>Pharmacy and Biotechnology</td>
<td>2,087</td>
<td>19.18%</td>
<td>65.07%</td>
<td>34.93%</td>
</tr>
<tr>
<td>Engineering</td>
<td>5,464</td>
<td>50.25%</td>
<td>26.83%</td>
<td>73.17%</td>
</tr>
<tr>
<td>Law and Legal Studies</td>
<td>134</td>
<td>1.21%</td>
<td>62.14%</td>
<td>37.86%</td>
</tr>
<tr>
<td>Management Technology</td>
<td>2,045</td>
<td>18.55%</td>
<td>60.26%</td>
<td>39.74%</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>10,906</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>47.41%</strong></td>
<td><strong>52.59%</strong></td>
</tr>
</tbody>
</table>
The Total Number of Graduates till October 2017: 13,952 Graduates

- 12,946 (BSc graduates)
- 1,006 (Postgraduates)
72 Study Programs

1. ENGINEERING
   - Information Engineering & Technology
     - Networks
     - Communications
     - Electronics
   - Media Engineering & Technology
     - Computer Science & Engineering
     - Digital Media Engineering & Technology
   - Engineering & Materials Science
     - Materials Engineering
     - Design & Production Engineering
     - Mechatronics Engineering
     - Civil Engineering
     - Architecture Engineering

2. MANAGEMENT TECHNOLOGY
   - Technology – based Management
   - Business Informatics
   - General Management

3. BIOLOGICAL SCIENCES
   - Pharmacy & Biotechnology
   - Biotechnology

4. APPLIED SCIENCES & ARTS
   - Marketing
   - Finance
   - HR
   - Economics
   - International Business
   - Information Systems
   - Operations & Production
   - Strategic Management
   - Innovation & Technology Management
   - Accounting & Financial Control
   - Product Design
   - Media Design
   - Graphic Design

5. FACULTY OF POSTGRADUATE STUDIES & RESEARCH

6. Faculty of Law and Legal Studies
6. GUC Postgraduates Studying Abroad
6. GUC Graduates @ Multinational Companies
7. Summary and Outlook

The GUC Example:

- GUC is a private university, completely financed by the private sector!
- Implemented the UN SDGs (3,4,5,7,8,9,10,11,16 and 17)
- Actually there are 15,000 students enrolled, there is room left for another 10,000 students: new study programs and new facilities
- So far 500 scholarships are offered for all talented students across Egypt!
- Study abroad program at GUC Berlin Campus (students stay there for 1 semester)
- GUC is a Higher Education Hub in Africa, cooperations with neighboring countries just started!

Lessons learned:
- Be active and live your dreams
- trust your friends, but be serious and reliable
- patient, it takes some time that others accept you as a professional