April, 2017
About Engineering programs in Colombia

• Undergraduate: 968 programs; 96 denominations
• Postgraduate: 238 masters; 40 PhDs; 600 Official Postgraduate courses
• 270,000 graduate engineering students, 2015 (24% of all graduate students)
• Close to 5,000 full time engineering teachers (8% PhD)

<table>
<thead>
<tr>
<th>item</th>
<th>Total</th>
<th>% respecto del total de programas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universities / colleges</td>
<td>84/29</td>
<td></td>
</tr>
<tr>
<td>Private/public</td>
<td>67/33</td>
<td></td>
</tr>
<tr>
<td>Active engineering programs</td>
<td>968</td>
<td>23%</td>
</tr>
<tr>
<td>Active Engineering programs with national accreditation</td>
<td>274</td>
<td>6%</td>
</tr>
</tbody>
</table>

International Accreditation
- 19 with ABET accreditation
- 7 expecting final concept
- 6 with ARCU-SUR
The Colombian Association of Engineering Schools, ACOFI (Spanish acronym), was founded in Bogotá, Colombia on September 19, 1975. It is a Colombian private, non-profit organization.

ACOFI has 113 institutional members: 85% of both public and private Colombian higher education Institutions with Engineering programs.
Misión

To foster advancement and improvement of the quality of education, research, innovation, and technological development undertaken by Engineering Schools and Programs in Colombia with international projection.

Propender por el impulso y el mejoramiento de la calidad de las actividades de docencia, investigación, innovación, desarrollo tecnológico y extensión en ingeniería que desarrollan las facultades, escuelas y programas de ingeniería en Colombia, con proyección internacional.
Advisory body of the Ministry of Education

Advisory body of Colciencias

Advisory body of the Housing, Water and Sanitation Ministry

Advisory body of Bogota’s infrastructure committee

Board Member of the professional engineering associations

International Cooperation Agreements
Where are we at in engineering education Colombia:
1. Moving towards soft learning outcomes
2. Unbalanced relevance to research vs Hand on experience in engineering education
3. STEM weakness
4. Behind on recent engineering education development (language)
5. Engineering lost leadership in national decision making

What the country will need from engineering:
Post Farc agreement/conflict development
1. Rural/undeveloped regions (50%) development
2. Tourism, Ecotourism, Biodiversity and Ethnic tourism
3. Agroindustry
4. Entrepreneurship
What we have to offer:
LAS FACULTADES DE INGENIERÍA
Y SU COMPROMISO CON LA SOCIEDAD

CARTAGENA, COLOMBIA
26 al 29 de septiembre de 2017
Carlos R. Costa Posada
Presidente ACOFI
Engineering Dean, Universidad de la Salle

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