

# ENGINEERING FOR THE AMERICAS -EftA

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- **PVP Pan American Union of Engineering Associations – UPADI**
- **BOARD Pan American Academy of Engineering**
- **CHAIR WFEO UN Relations Committee**



**UN COMMISSION ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT**

**AMERICAS – ORGANIZATIONS FOR DEVELOPMENT:**

**Organization of American States (OAS)**

**Pan American Union of Engineering Associations  
(UPADI)**

**Pan American Academy of Engineering (API)**

**APPROACH FOR DEVELOPMENT:**

**Engineering for the Americas (EftA)**



## ORGANIZATION OF AMERICAN STATES

“Building engineering capacity intersects the needs of multiple stakeholders, providing the broadest possible opportunities to improve economic vitality and security, mitigate poverty, foster community health and improve long-term quality of life”

(Insulza-OAS)

# Engineering for the Americas EftA

[www.efta.oas.org](http://www.efta.oas.org)

- Ministerial Mtgs  
of
- Lima 2004
- Mexico, 2008
- Panama, 2011

**build capacities  
in engineering to  
improve  
competitiveness  
in hemisphere.**

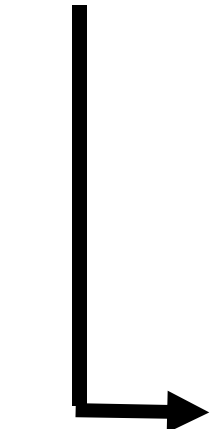
1. Educational Innovation
2. Quality & Accreditation
3. Job creation through  
university-industry  
partnerships.

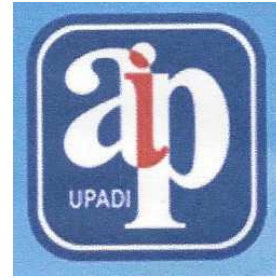


# 4 Strategic Pillars



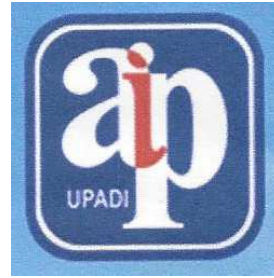
Working  
Groups  
1,2,3&4





## **UPADI/API EDUCATION COMMITTEE**

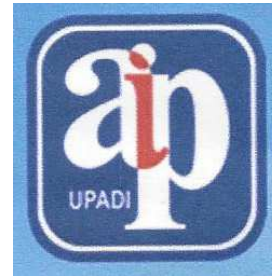
- **UPADI Education Committee → UPADI/API Education Com**
- **UPADI/API Ed Com Working with OAS WG2**
- **UPADI/API Ed Com Promotes Engineering for the Americas & Plan of Action of Panamá**



## **OBSERVATIONS**

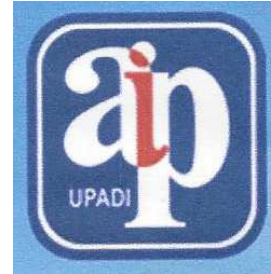
**In order for progress to be made:**

- **Industry, Academia & Government partnerships must be promoted**
- **Funding for major initiatives such as ubiquitous high quality internet connectivity will only come from industry, in partnership with government and academia**

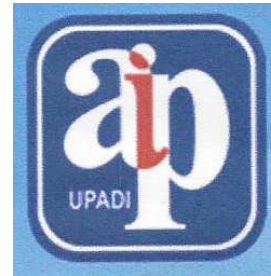


- **Vocational Education & Training must be expanded for Development of the Americas**
- **Mobility of Engineers must be achieved**
- **Broadband interconnectivity must be achieved for efforts to develop the Americas**



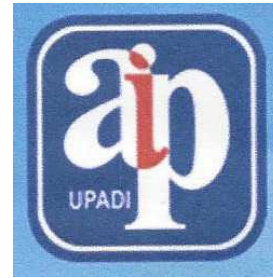


- **EftA must be a priority for governments**
- **Engineering Academies and Societies worldwide must engage, develop strategies and programs to utilize engineering to develop infrastructure for world economic development**
- **Corruption must be eliminated**



**API with UPADI PROPOSES OAS THROUGH OAS WORKING  
GROUPS JOIN TO ESTABLISH and PROMOTE**

***PAN AMERICAN INSTITUTE  
FOR  
ENGINEERING INNOVATION AND ENTREPRENEURSHIP***



**“Innovation and Entrepreneurship, key to progress”**

**Critical times dictate policy-makers accept the value of engineering in solving local and national problems**

**Human & economic benefits depend on education, innovation, entrepreneurship and sound policy decisions**

**Engineering improves to quality of life**



UN COMMISSION ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT

UNITED NATIONS  
UNCTAD

18 November 2013: UN Secretary-General Ban Ki-moon stressed the roles that science, technology and innovation play in promoting progress and peace, ranging "from climate change to public health; from food security to sanitation; from disarmament to disaster preparedness." Tallinn University in Estonia