Intersectorial Workshop
“Future skills: coordination between the Ministries of Education and Labor”

Panel 4
Approaches and answers from the Academy to the education in future skills

Dr. Oscar Garrido Álvarez
Presidente, OUI-IOHE
Rector, Universidad de Los Lagos

May 17, 2019
Santiago de Chile
Founded in Quebec, Canada, in 1980

Only higher education organization currently active at the Inter-American level.

Mission

To contribute to the transformation of Higher Education Institutions (HEIs) in order to respond to their social and political contexts, while building and creating common spaces of Inter-American collaboration.
+350 HEI members

<table>
<thead>
<tr>
<th>IOHE REGION</th>
<th>MEMBERSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>32</td>
</tr>
<tr>
<td>United States</td>
<td>10</td>
</tr>
<tr>
<td>Mexico</td>
<td>61</td>
</tr>
<tr>
<td>Caribbean</td>
<td>54</td>
</tr>
<tr>
<td>Central America</td>
<td>21</td>
</tr>
<tr>
<td>Colombia</td>
<td>41</td>
</tr>
<tr>
<td>Andean Countries</td>
<td>67</td>
</tr>
<tr>
<td>Brazil</td>
<td>40</td>
</tr>
<tr>
<td>South Cone</td>
<td>33</td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
</tr>
</tbody>
</table>

Opportunities:

- Be part of an international recognized organization. The only one with an Inter-American perspective;
- Contribute to the creation of a Higher Education common space in the Americas;
- Participate in Inter-American Academic Conferences held annually;
- Have access to a variety of academic services and products offered by IOHE programs.
67 members in Andean Countries/19 in Chile

**IOHE Members**
- Universidad Adventista de Chile
- Universidad Arturo Prat
- Universidad Austral de Chile
- Universidad Católica de Temuco
- Universidad de Antofagasta
- Universidad de Atacama
- Universidad de Chile
- Universidad de Los Lagos
- Universidad de Playa Ancha
- Universidad de Santiago de Chile
- Universidad de Tarapacá
- Universidad de Valparaíso
- Universidad Técnica Federico Santa María
- Universidad Tecnológica Metropolitana
- Universidad Viña del Mar

**Associated members**
- Centro Interuniversitario de Desarrollo (CINDA)
- Consejo de Rectores de las Universidades Chilenas
- Consorcio de Universidades del Estado de Chile
- Corporación de Universidades Privadas
OUR PROGRAMS

INSTITUTE OF MANAGEMENT AND UNIVERSITY LEADERSHIP
Higher Education managers training

COLLEGE OF THE AMERICAS
Academic networking, internationalization and innovation

CAMPUS
Social Responsibility and Graduate Programs

EMULIES
Women Leaders of Higher Education Institutions in the Americas

EIESTEC
Inter-American Space for Higher Technical and Technological Education
Greater value added by **knowledge** than by information.

**Train and motivate teachers** who are not prepared for new technologies and the teaching methods to face them.

**Internationalized education**; digitalization of contents and greater access.

**Open access** will democratize education (e-learning).

**Changes in time, space and the role of the teacher**, due to new learning habits.

**Classroom methodologies base on technology**, greater innovation that stimulates creativity.

**Trends**

**Innovation and Entrepreneurship**
<table>
<thead>
<tr>
<th>Learning Methodology</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project-based learning</td>
<td>Acquire knowledge and skills to give answers to real-life problems</td>
</tr>
<tr>
<td>Cooperative learning</td>
<td>Team work to improve attention, involvement and acquire knowledge</td>
</tr>
<tr>
<td>Problem-based learning</td>
<td>Through the inquiry of students to generate data and useful information, favoring critical thinking</td>
</tr>
<tr>
<td>Thinking-based learning</td>
<td>Develop thinking skills beyond memorization</td>
</tr>
<tr>
<td>Competency-based learning</td>
<td>Demonstration of the desired learning outcomes as the center of the student learning process</td>
</tr>
<tr>
<td>Design thinking</td>
<td>Focused on the human being, it seeks to understand users and values creativity, collaboration and action</td>
</tr>
<tr>
<td>Flipped classroom</td>
<td>Optimizes time in classes, with content studied at home or group work in the classroom</td>
</tr>
<tr>
<td>Gamification</td>
<td>Integration of games and videogame dynamics for recreational environments</td>
</tr>
</tbody>
</table>
The increase of **collaborative work** places, to help solve problems

Employees without borders, **migration and cultural integration** in the workplace

The incorporation of **robotics** is transforming the way we work

**Intergenerational learning**, a new model for talent development

Assessment of **creativity, collaboration and action**, redefining the experience in the workplace.

Fuente: Tendencias Mundiales en el lugar de trabajo 2017, Institute for quality of life SODEXO.
XXI CENTURY COMPETENCES

Personal effectiveness

• Curiosity (innovation).
• Initiative (entrepreneurial thought).
• Persistence.
• Adaptability.
• Leadership.
• Social and cultural sensitivity.

Generic Competences

• Information analysis, critical thinking and problem solving.
• Creativity and search for solutions through design thinking.
• Team/ collaborative work.
• Communication.

THE GLOBAL ECONOMY OF KNOWLEDGE AND MASSIVE HIGHER EDUCATION

Massification

- Internacionalization
- Privatization
- Diversification
- Academic Freedom
- Reputation/ Rankings / excellence
- Access and equity.

Source: Global perspectives on higher education, Global and local Internationalization. Hans de Wit
INTERNATIONALIZATION OF HIGHER EDUCATION

Main global trends

• Increasing importance of internationalization.
• Globalization competitive pressures (global rankings).
• Switch between cooperation to more competition.
• Challenge on quantity vs quality.
• Collaboration between HEIs and international organizations.
• Internationalization of the curriculum and learning outcomes to improve the quality of education and research.
• Mobility in HE becomes more inclusive and less elitist.
CONCLUSION

Future skills

TECHNOLOGY
- Artificial intelligence
- Virtual reality
- Big data

EDUCATION
- Curricular innovations
- Pedagogic Innovations
- Continuous learning

WORKFORCE
- Creativity
- Laboral flexibility
- Cultural integration
- Collaborative work
CONFERENCE OF THE AMERICAS ON INTERNATIONAL EDUCATION

CAEI 2019

Knowledge and innovation hubs: Synergies for development

- Call for proposals (May 31)
- Webinaries CAEI (July 9 & September 10)
Diploma in Innovation Management of Technical and Technological Education

- 100% virtual training
- Integrated by three modules, with an active learning methodology

**Strategic objectives:**

- **Integration:** a space to facilitate institutional collaboration, identify best practices and explore consolidated experiences.
- **Training:** to offer opportunities for professional development to teachers and managers of technical and technological education.
- **Research:** to learn more about the educational offer in the sector and promote applied research.
Contact:
3744 rue Jean-Brillant, Bureau 592
Montréal, QC
H3T 1P1, Canada
Tel.: +1 (514) 343-6980
sec.general@oui-iohe.org

www.oui-iohe.org