"The World of the Future": Spearheading a Transdisciplinary Educational Program at UTEC

Universidad de Ingeniería y Tecnología

Lima, Perú
Some facts about Peru...

- 47 indigenous languages can be found in Peruvian territory
- 76% of illiterate people in Peru are women
- About 30% of its population lives on less than $2
- Peru is responsible for just 0.1% of global CO2 emissions
- Peru is the 3rd most vulnerable country to confront adverse effects of climate change

*USAID, UNICEF, The Stern Review*
Isolated facts?

Not really. These facts are deeply intertwined because they are constantly fueling up each other.

These complex problems need to be addressed in such a way that:

- We understand how these complex problems build up on each other in order to...

- Develop **intersectional thinking** to approach and act on these complex problems
Searching for the Connecting Thread

How can we align our local actions to global strategies to shape the world we want to live in and inherit to future generations?

How can we move further into understanding more dimensions of complex challenges?
"The World of the Future" is an educational platform that wants to:

- **Precipitate** a transdisciplinary understanding of the challenges related to the 2030 Agenda for Sustainable Development
- **Inquire** into the role of engineering and technology in creating an inclusive and sustainable society
- **Educate** global citizens capable of re-imagining the planet we want to inherit to future generations
How we do it?

Strategies

1. The courses of the Creativity & Humanities Dpt have been designed at the intersection of the Global Development Goals and 21st Century Skills.
2. Partner with students who are already green-minded or feel the importance of joining the conversation about the world of the future, and share with them responsibilities and actions for them to lead. Create a community.
3. “From knowing comes caring, from caring comes change”. We provide information to provoke creative inquiry. We provide experiences that are meant to broaden our mind and heart.
4. Communication is key. Be fun, be clear, & be accessible in your narrative.
Actions:

- Kick-off: Welcome to the World Of The Future
- #TheWorldYouLiveIn: disseminating relevant information across campus
- Tabling: The World Of The Future need champions and advocates
- Joining forces with Engineers Without Borders, Society of Women in Engineering, & Pride UTEC because The World Of The Future is diverse
- WoF + EWB: co-designing a social responsibility platform to cause a positive impact beyond campus
- Digital Quechua: Chay Mana Qullunmapaq (don’t let it go extinct)/ Indigenous Languages Day
- “Territories Of Pollution”: the rise of a green economy
Future actions

- “A day without running water”, experiential learning
- Movie nights: The World’s Water Challenges
- Disruption: Digital Citizens in the Amazon Forest
- Distopia, an exhibition of visual data
- Andean New Years: respect for ancestral knowledge/ ritual
“The World Of The Future” DNA

- Awareness upon our collective responsibilities and the abilities we have to contribute to the common good
- Consistent information is required to develop successful problem finding & solving skills
- Speed in acquisition of content knowledge and “slow thinking” to puzzle over the evidence
Welcome to The World Of The Future
Thank YOU!

WWF