The 2020 state of Engineering for Global Development (EGD) in academic institutions in Latin America.
Engineering for Global Development (EGD) is a growing field in which technology and design are utilized to support communities around the world and improve quality of life. In the Latin American region there has been an increased interest in the practice of EGD, although there are a wide range of terminologies and research emphases. This report attempts to comprehensively highlight the many definitions, programs (undergraduate courses, masters, postgraduate and innovation centers, etc.) and professors and research groups dedicated to this work in different countries with the intention to further connect and understand the state of EGD-related programs across the continent.

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Disclaimer
To E4C’s knowledge, this is the first report of this kind to attempt to list out all the programs in EGD. If you identify any programs or professors that you believe should also be included in this report, please email us at info@engineeringforchange.org.

Want to learn more?
To read about these programs in detail, click here for the full report.
EGD Degrees

Universidad Autónoma de Chiapas
Engineering in Rural Development, BS

Instituto Tecnológico Superior del Sur del Estado de Yucatán
Engineering in Community Development, BS

Universidad del Valle, Colombia
Sustainable Development, MS

Universidad Federade do Rio de Janeiro
Interdisciplinary Center for Social Development, MS

Universidad Autónoma Tomás Frías
Engineering in Rural Development, BS

Universidad Nacional de Asunción
Human Ecology Engineering, BS
Institutions with EGD offerings in Latin America

Mexico
- Engineering in Rural Development, Universidad Autónoma de Chiapas
- Engineering in Community Development, Instituto Tecnológico Superior del Sur del Estado de Yucatán

Guatemala
- Makerspace/Design and Innovation for Development, Universidad del Valle
- IEEE Sight, Universidad de San Carlos

Honduras
- Evaluation Center for Improved Cookstoves, Universidad Zamorano
- IEEE Sight, Universidad Nacional Autónoma de Honduras

El Salvador
- IEEE Sight, Universidad del Salvador

Panama
- Panama Flying Labs, Universidad Tecnológica de Panamá

Colombia
- Sustainable Development, Universidad del Valle
- Engineers Without Borders, Universidad de los Andes
- Corporación Universitaria Minuto de Dios
- Lab Campesino & Ingenuity, Science, Technology and Society, Universidad Nacional de Colombia
- Engineering Projects for Community Service, Universidad de Antioquia
- Technology and Society, Universidad de los Andes
- Center for Humanitarian Engineering, Universidad Sergio Arboleda
- IEEE Sight, Universidad El Bosque

Brazil
- Interdisciplinary Center for Social Development, Universidad Federade do Rio de Janeiro

Perú
- Rural Group & Rural Telecommunications Group, Pontificia Universidad Católica del Perú
- Perú Flying Labs, Universidad Tecnológica del Perú

Bolivia
- Engineering in Rural Development, Universidad Autónoma Tomás Frías

Paraguay
- IEEE Sight & Human Ecology Engineering, Universidad Nacional de Asunción

Argentina
- Institute for the Study of Science and Technology, Universidad Nacional de Quilmes
- Engineers Without Borders Argentina, Universidad Tecnológica Nacional
- Engineers Without Borders Argentina, Universidad Nacional de la Matanza

Chile
- Chile Flying Labs, Bernardo O’Higgins University
- IEEE Sight, Pontificia Universidad del Valparaíso
- Indigenous Peoples Program, Universidad de Chile

Dominican Republic
- Dominican Republic Flying Labs, Instituto Tecnológico de las Américas

Want to learn more? To view the full list of researchers and centers, click here for the full report.
EGD Conferences

Some examples of conferences with EGD focus and/or EGD-related tracks. For more information, click here.

Encontros de Engenharia e Desenvolvimento Social

Conferencia Internacional de Ingeniería, Justicia Social y Paz

Mexican Humanitarian Technology Conference

Festival de Innovación y Tecnología Social

Congresso Brasileiro dos Engenheiros sem Fronteiras

Encuentro Colombiano de Ingeniería y Desarrollo Social: “Ingeniería, Tecnología y Tejido Social”

International Development Design Summit (IDDS)

Want to learn more?
To read about these programs in detail, click here for the full report.