



Technology and Social Change

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Social Impact Enterprises



address societal issues
through innovative
solutions



can involve wealthy
donors, grassroots
engagement, volunteers,
and governments



technology and data
playing an increasing
role



impactful in education,
sustainability,
healthcare, and artificial
intelligence

Khan Academy Example (Education)

- Founded 2004 by Salman Khan
- Free content and tutoring videos for various academic subjects and standardized tests
- Free SAT and ACT programs help students avoid expensive tutoring
- Has transformed worldwide education access and is translated into various languages
- Over 130 million users during pandemic
- Key donors include Google and Bill and Melinda Gates Foundation



Khan Academy

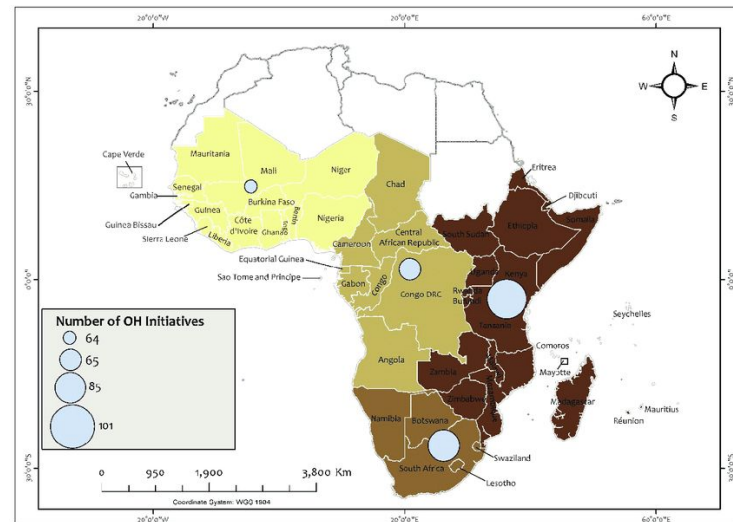
ClimateWorks Foundation Example (Sustainability)

- Founded in 2008, by economist and climate advocate Helen Mountford
- Philanthropy-based foundation which provides grants to accelerate environmental progress
- Calls for \$4 Trillion of annual investment worldwide to address climate related issues
- Issues grants to groups that implement sustainable practices
- Work with companies, governments, and investors



Mobile Health in Sub-Saharan Africa Example (Healthcare)

- Coordinated initiatives between grassroots organizations and technology developers
- Network of digital products that provide critical information to patients in underserved areas
- Information through SMS and digital campaigns, increased prenatal care, vaccinations, and health checkups
- Increased access to healthcare as well as education, in an area of the world where modern medicine is still developing
- OneHealth - An approach using technology that aims to sustainably balance and optimize the health of people, animals, and the ecosystem



AI Now Institute Example (Artificial Intelligence)

- Founded in 2017 by Meredith Whittaker and Kate Crawford of Google and Microsoft
- Increases awareness toward AI in public policy
- Research focused on antitrust, AI models, global digital trade, and data ethics
- Have amplified conversation around problems with gathering large amounts of data for large language models
- Brief lawmakers around the world to inspire action around AI and data-related legislation



Challenges of Social Change Organizations

- High costs to develop systems and technology (data scientists, advanced analytics)
- Ethics concerns in data transparency, privacy and algorithmic bias
- Preconceived biases are potentially harmful:
 - Pressure to collect data to fit a narrative
 - Politicized movements can alienate those who disagree



Collaborative Efforts and the Future



Collaboration between communities, volunteers, academia, and nonprofits is the best way to ensure widespread impacts



Technology is an asset, but transparency and public confidence are just as important



Digital campaigns are growing more important, especially in categories of education, sustainability, public health, and AI



Responsible technology development, as well as increasing access to technology around the world has been proved to better society

Resources

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