



TOP 200 APPLICANTS

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100&Change is a MacArthur Foundation competition for a \$100 million grant to fund a single proposal that promises real and measurable progress in solving a critical problem of our time.

ADDICTION

The Cleveland Clinic Foundation (Cleveland Clinic)

Fighting opioid addiction through education and multidisciplinary approaches to pain management
Website: my.clevelandclinic.org
Overview video: https://youtu.be/bkdOH2HC_xM

Facing Addiction

Recognizing addiction as a chronic disease and fighting it with diagnosis, treatment, and support
Website: <https://www.facingaddiction.org>
Overview video: <https://youtu.be/6VDL-CypaxQ>

West Virginia University Research Corporation

Reversing a trend towards increasing mortality in West Virginia through opioid addiction treatment, job training, and community engagement
Website: hr.research.wvu.edu
Overview video: <https://youtu.be/rKmYohDh7wY>

AFFORDABLE AND CLEAN ENERGY

Global Alliance for Clean Cookstoves, an initiative of the United Nations Foundation

Reducing indoor pollution through increased supply of clean cookstoves in Uganda and Kenya
Website: <http://www.unfoundation.org/what-we-do/campaigns-and-initiatives/cookstoves/>
Overview video: https://youtu.be/rT7_CEGuvrw

Nova Lumos Netherlands Holding B.V.

Distributing affordable solar systems in Nigeria
Website: <http://www.nova-lumos.com>
Overview video: <https://youtu.be/bq-a0Xj6al8>

The Solutions Project

Working to transition to a 100 percent clean, renewable energy economy through evidence building and community engagement
Website: thesolutionsproject.org
Overview video: <https://youtu.be/hJLwKbgPtIU>

The University of New South Wales

Accelerating development and deployment of photovoltaics to increase reliance on solar energy and reduce CO2 emissions
Website: <https://www.unsw.edu.au>
Overview video: <https://youtu.be/lgqDUnB0zfw>

University of Waterloo

Addressing energy poverty by supporting innovators on distributed generation and energy storage
Website: <https://uwaterloo.ca>
Overview video: <https://youtu.be/InvtfLiV5DI>

We Care Solar

Reducing maternal and newborn mortality through deployment of a compact solar-power unit for medical lighting
Website: <https://wecaresolar.org>
Overview video: <https://youtu.be/0DgzyMxicDA>

ANTIBIOTIC RESISTANCE

Board of Trustees of the University of Illinois

Finding new antibiotics to combat “superbugs” by mining the genes of natural microbes

Website: www.bot.uillinois.edu

Overview video: <https://youtu.be/ilrGUi95ko4>

Northeastern University

Discovering new antibiotics from microbes in soil

Website: <https://www.northeastern.edu>

Overview video: https://youtu.be/drXfuvqY_oA

UC Regents

Combating antibiotic resistance through global tracking of infectious disease cases and effective treatments

Website: <https://twin-cities.umn.edu>

Overview video: <https://youtu.be/quT7XHGez4Y>

The University of Melbourne

Eliminating over-use of antibiotics in human and animal medicine

Website: www.unimelb.edu.au

Overview video: https://youtu.be/G5jL_J4fsPc

ARTS AND CULTURE

University of Southern California

Training cultural heritage scholars in digital preservation techniques

Website: www.usc.edu

Overview video: <https://youtu.be/l0T72JdhJ0s>

ASSISTIVE TECHNOLOGY

Beneficient Technology, Inc. DBA Benetech

Providing accessible books to people with disabilities

Website: www.benetech.org

Overview video: <https://youtu.be/S3MD9Pqyy9g>

Duke University

Deploying low-cost technologies and protocols to U.S. neurorehabilitation therapists and training them to use with patients at centers or on virtual reality platforms

Website: <https://www.duke.edu>

Overview video: <https://youtu.be/gOFj5rsOBIA>

University of California San Francisco Global Health Group

Fighting vector-borne diseases like malaria and dengue by mobilizing communities

Website: globalhealthsciences.ucsf.edu

Overview video: https://youtu.be/rm_zEAbADAs

CLEAN WATER AND SANITATION

ASU Foundation for A New American University

Democratizing access to safe drinking water through a new technology—“drinking water solar panels”

Website: asufoundation.org

Overview video: <https://youtu.be/XQOMDQpO4DM>

Carnegie Mellon University

Removing micropollutants from water using a new affordable, green technology

Website: <http://www.cmu.edu>

Overview video: <https://youtu.be/e-V52oFl7ms>

Columbia University

Designing innovative technical and financial models to improve water and sanitation infrastructure

Website: <http://www.columbia.edu>

Overview video: <https://youtu.be/qK2dYvXTkkU>

Duke University

Improving sanitation and empowering women through business development in Gujarat, India

Website: <https://www.duke.edu>

Overview video: https://youtu.be/OB_V8KDj5y0

Evidence Action

Providing safe drinking water through the distribution of bacteria killing chlorine dispensers

Website: <https://www.evidenceaction.org>

Overview video: <https://youtu.be/J82jpemNbPc>

Fundação Banco do Brasil

Collecting and storing rainwater in Brazil for drinking, cooking, and irrigation during the dry season

Website: www.fbb.org.br

Overview video: <https://youtu.be/hbtiPOSybwA>

Clean Water and Sanitation continued

The Ohio State University

Building sustainable solar-powered water systems in Tanzanian villages

Website: <https://www.osu.edu>

Overview video: <https://youtu.be/kOtwH9uVJ9o>

The Regents of the University of California, Berkeley Campus

Eliminating arsenic in drinking water in India and rural California

Website: <http://www.berkeley.edu>

Overview video: <https://youtu.be/WcjLXoCdSZg>

Safe Water Network

Providing safe water in Ghana and India through microenterprise

Website: <http://www.safewaternetwork.org>

Overview video: <https://youtu.be/5IJfgzkLmkM>

Stony Brook University

Purifying drinking water with nanotechnology and micro-enterprises

Website: www.stonybrook.edu

Overview video: <https://youtu.be/CENb3c5-dX4>

Water For People

Employing off-grid decentralized sanitation systems to recover energy and nutrients from human waste

Website: <https://www.waterforpeople.org>

Overview video: <https://youtu.be/jLJ9ms5ViPw>

CONSERVATION AND BIODIVERSITY

American Bird Conservancy/Alliance for Zero Extinction

Preventing global species extinction through land conservation and protection

Website: www.abcbirds.org/, www.zeroextinction.org

Overview video: <https://youtu.be/KICpAr5Ha7Y>

Arizona State University

Expanding the Sustainability Consortium Index to promote conservation in the supply chain

Website: www.asu.edu

Overview video: <https://youtu.be/L9w3Hell9g8>

Arizona State University

Changing the trajectory of rice-based cultures towards sustainability

Website: www.asu.edu

Overview video: <https://youtu.be/hTHWnzT3agM>

CAB International (CABI)

Fighting invasive species in agriculture and natural ecosystems

Website: <http://www.cabi.org>

Overview video: <https://youtu.be/CiO4FQ7WFfw>

California Polytechnic State University

Promoting effective marine reserve management in the Western Indian Ocean

Website: www.calpoly.edu

Overview video: <https://youtu.be/cOqgc1KJj64>

Environmental Defense Fund

Promoting sustainable fishing in Asia-Pacific oceans

Website: <https://www.edf.org>

Overview video: <https://youtu.be/Aargh5xftw>

E.O. Wilson Biodiversity Foundation

Campaigning to conserve half the earth's land and water to protect species and habitat

Website: <https://eowilsonfoundation.org>

Overview video: <https://youtu.be/VF1Anlpf4PM>

Governors' Climate and Forests Task Force

Fighting deforestation through partnerships and collaboration

Website: <http://www.gcftaskforce.org>

Overview video: <https://youtu.be/Mj3O2-pGW0A>

Mesoamerican Reef Fund Inc

Protecting the Mesoamerican Reef and surrounding communities

Website: www.marfund.org

Overview video: <https://youtu.be/OgXt3STQ1do>

Oceana, Inc.

Rebuilding wild fish stocks to promote good nutrition and health

Website: oceana.org

Overview video: <https://youtu.be/g5XwjFdyNE>

Peace Parks Foundation

Conserving wildlife, supporting socio-economic development, and building security through cross national management of critical ecosystems in Africa

Website: <http://www.peaceparks.org>

Overview video: <https://youtu.be/lwO8uVFZZDE>

The Pew Charitable Trusts

Combating illegal fishing through global tracking and enforcement

Website: www.pewtrusts.org

Overview video: <https://youtu.be/odRWDLrObgY>

Conservation and Biodiversity continued

The Rockefeller University

Building a Digital Noah's Ark, cataloging genomes of endangered vertebrates

Website: <https://genome10k.soe.ucsc.edu>

Overview video: <https://youtu.be/EwNR66FXwVk>

San Diego Zoo Global

Preserving plant and animal genetic material to fight extinction

Website: <http://institute.sandiegozoo.org>

Overview video: <https://youtu.be/Qkkado7thro>

Stitching the Ocean Cleanup

Removing plastic waste from the ocean

Website: <https://www.theoceancleanup.com>

Overview video: <https://youtu.be/rNkxaFrhGol>

CRIME, PUNISHMENT, AND REHABILITATION

American Bar Association Fund for Justice and Education

Transforming the public defender system in the United States to protect the right to counsel

Website: http://www.americanbar.org/groups/departments_offices/fund_justice_education.html

Overview video: <https://youtu.be/4SDDhw3wXDo>

Bridges of Iowa

Breaking the cycle of drug abuse and unemployment by providing cognitive behavior-based substance abuse treatment in jail settings

Website: <https://bridgesofiowa.org>

Overview video: https://youtu.be/ng_luHTPR9U

Harvard University

Addressing drugs as a public health issue through criminal justice diversion programs

Website: <http://www.harvard.edu>

Overview video: <https://youtu.be/Ez4FJ9cUUL0>

Prison Fellowship Ministries

Reducing prison recidivism through education and reentry programs

Website: <https://www.prisonfellowship.org>

Overview video: https://youtu.be/IS_X6eH-_6E

DISEASE CONTROL AND ERADICATION

Administrators of the Tulane Educational Fund

Combating emerging disease threats through surveillance, DNA sequencing, and tracking

Website: <https://www.tulane.edu/cepi>

Overview video: <https://youtu.be/cOF-tjlgYZw>

Broad Institute, Inc.

Rapidly detecting and responding to infectious disease outbreaks

Website: <https://www.broadinstitute.org>

Overview video: https://youtu.be/pUJgvR8_WEO

The Carter Center, Inc.

Eliminating river blindness in Nigeria

Website: <https://www.cartercenter.org>

Overview video: <https://youtu.be/iWj2uWRoOJo>

Helen Keller International

Fighting podoconiosis in Africa through mapping, diagnostics, and education

Website: www.hki.org

Overview video: <https://youtu.be/YhXhdRyUXOg>

International Livestock Research Institute (ILRI)

Preventing infectious diseases transmitted from livestock and wildlife to people

Website: <https://www.ilri.org>

Overview video: https://youtu.be/4G6e_w0zWx0

The Leprosy Mission International

Controlling leprosy through prevention, early diagnosis, mapping, and treatment

Website: <https://www.leprosymission.org>

Overview video: <https://youtu.be/oxgB6Af86WA>

Monash University

Deploying bacteria that prevents mosquitoes from transmitting Zika, dengue, and chikungunya

Website: <http://www.monash.edu>

Overview video: <https://youtu.be/Dbk29Ksa1Vk>

The Regents of the University of California, Santa Barbara

Eliminating disease-carrying mosquitoes through genetic engineering

Website: www.ucsb.edu

Overview video: <https://youtu.be/OoB49KIHUtA>

Disease Control and Eradication continued

The University of Chicago

Eradicating human *Toxoplasma gondii*, a single-celled parasite, and the infection and diseases it causes

Website: www.uchicago.edu

Overview video: <https://youtu.be/lqlugqtz2JM>

Washington State University

Eliminating rabies in sub-Saharan Africa

Website: <https://wsu.edu>

Overview video: <https://youtu.be/3uk-lgA5klc>

DISEASE THERAPY AND TREATMENT

The Chancellor, Masters and Scholars of the University of Cambridge

Developing personalized treatment approaches for dementia

Website: <http://www.cam.ac.uk>

Overview video: <https://youtu.be/D9KKxKh0nGI>

Jhpiego Corporation

Fighting cervical cancer through vaccination, screening, and treatment

Website: <https://www.jhpiego.org>

Overview video: <https://youtu.be/5PeY49pC1Uo>

MiracleFeet

Treating club foot without surgery

Website: www.miraclefeet.org

Overview video: <https://youtu.be/pr1B8aPSH0>

Northwestern University

Fighting cancer through early detection and the development of new therapies

Website: <https://osr.northwestern.edu>

Overview video: https://youtu.be/Sf_Wi1LJ_Bs

NYU Langone Medical Center

Genetically engineering pigs to produce organs for human transplant

Website: nyulangone.org

Overview video: <https://youtu.be/POzNlIbvJc48>

Operation Smile Inc.

Promoting and delivering safe cleft surgeries in low-income global communities

Website: www.operationssmile.org

Overview video: <https://youtu.be/JJ06xIDTs4Y>

President and Fellows of Harvard College

Generating long-term, viable, and safe, cell therapy treatments for patients with ALS, diabetes, Duchenne muscular dystrophy, heart failure, and musculoskeletal disease

Website: <http://www.harvard.edu/about-harvard/harvards-leadership/president-and-fellows-harvard-corporation>

Overview video: <https://youtu.be/Oz32SDrT0q4>

University Hospitals Health System, Inc.

Developing new drugs for rare diseases

Website: www.uhhospitals.org

Overview video: <https://youtu.be/IFxHGPOIQ2w>

University of North Carolina at Chapel Hill

Developing low-cost, low-intensity cancer interventions in Malawi and scaling an evidence-based project to low and middle-income countries

Website: www.unc.edu

Overview video: <https://youtu.be/vPhbvSZAKsY>

The University of Texas at Austin

Developing radio-isotopes to treat cancer, heart disease, and infection

Website: <http://www.utexas.edu>

Overview video: <https://youtu.be/PqEZY34mBU0>

The University of Texas Health Science Center at Houston

Preventing brain disease through early detection

Website: <https://www.uth.edu>

Overview video: <https://youtu.be/7AVP6OAqJrE>

University of Washington Center for Dialysis Innovation

Making dialysis accessible and convenient

Website: cdi.washington.edu

Overview video: <https://youtu.be/vjcqjJDoAwQ>

ECONOMIC OPPORTUNITY

B Lab Company

Creating a global network of certified benefit corporations to change the trajectory of capitalism, reducing inequality and poverty

Website: <http://www.bcorporation.net>

Overview video: <https://youtu.be/OIF1KAC4IqY>

BRAC USA

Eradicating extreme poverty for 300,000 people in Uganda and Tanzania through a series of interdependent interventions within households

Website: <https://www.bracusa.org>

Overview video: <https://youtu.be/epJ-ENcNTNI>

Friends of WWB USA INC

Empowering girls through financial education and savings programs

Website: <https://www.womensworldbanking.org>

Overview video: <https://youtu.be/JpKU1yOezE4>

Generation LLC

Figuring out what works in youth employment training worldwide

Website: Overview video: <https://youtu.be/5X45iEJiGel>

GO Fintech LLC dba Meed

Offering affordable and accessible banking via mobile phones

Website: <https://meed.net>

Overview video: <https://youtu.be/7IKk24ZVGJ0>

Goodwill Industries International

Helping adults get high school diplomas and continue their education

Website: <http://www.goodwill.org>

Overview video: <https://youtu.be/HxQjnygaO-8>

Reading and Beyond

Breaking cycles of poverty through wrap-around services, education, and workforce development

Website: <http://www.readingandbeyond.org>

Overview video: <https://youtu.be/G89HLYyDUyo>

Tostan, Inc.

Scaling a community empowerment program in Guinea-Bissau, the Gambia, and Senegal to unlock the leadership potential of women and girls and achieve progress on economic and human development indicators

Website: www.tostan.org

Overview video: <https://youtu.be/jeXmQG3eyyo>

EDUCATION

ChildFund International

Ending child labor through education and economic support

Website: <https://www.childfund.org>

Overview video: <https://youtu.be/GVaKsu4m9w4>

Gooru Inc.

Designing free, virtual, interactive, and personalized STEM learning tools for middle and high school students

Website: <https://www.gooru.org>

Overview video: <https://youtu.be/uP71bISDC1c>

IBM Corporation

Increasing literacy through free smart phone-based personal learning programs

Website: <https://www.ibm.com>

Overview video: https://youtu.be/Psx_YierLPs

Khan Academy

Developing internationally-recognized diplomas for worldwide education and job access

Website: <https://www.khanacademy.org>

Overview video: <https://youtu.be/yOP0R4GaoeY>

Leland Stanford Junior University and NextGenU.org

Providing free higher education to train health care workers

Website: lsjumb.stanford.edu/, NextGenU.org

Overview video: <https://youtu.be/LdoaTbhsEgo>

Library For All

Creating a global library of free e-books

Website: <http://www.libraryforall.org>

Overview video: <https://youtu.be/1x6F4fmBtZM>

OneSky for All Children

Building local capacity to provide early interventions to unlock the potential of at-risk children in Asia

Website: onesky.org

Overview video: <https://youtu.be/S9mxsqx3FLo>

Playworks Education Energized

Leveraging play to develop empathy and conflict resolution skills among young children

Website: <http://www.playworks.org>

Overview video: <https://youtu.be/5VVMgscGv3Y>

Education continued

The Sapling Foundation

Developing online short video lessons on non-traditional subjects to spark creativity and curiosity
 Website: <https://youtu.be/5HjjDDtPc04>

Worldreader

Promoting literacy and reading through digitized books and online tools
 Website: <https://www.worldreader.org>
 Overview video: <https://youtu.be/MBeP6saOVXc>

ENVIRONMENTAL HEALTH

Trustees of Indiana University

Mapping chemical exposure and toxicity to protect human health
 Website: <http://trustees.iu.edu>
 Overview video: https://youtu.be/QZTW_y3MSR8

Virginia Tech

Facilitating community-based science to guard against toxic environmental exposures
 Website: <https://www.vt.edu>
 Overview video: <https://youtu.be/j8Y2Q7WPLOE>

FOOD SECURITY

BAIF Development Research Foundation

Fighting malnutrition by deploying solar-powered technology for drying fruits and vegetables
 Website: www.baif.org.in
 Overview video: <https://youtu.be/mz2sPE8PI28>

Johns Hopkins University

Protecting honeybees by developing and deploying natural toxins against Varroa mites
 Website: <https://www.jhu.edu>
 Overview video: https://youtu.be/Qw4yoAqAu_Y

Carnegie Mellon University

Developing perennial staple crops in sub-Saharan Africa
 Website: www.cmu.edu
 Overview video: <https://youtu.be/aA7NxHgqWRw>

Massachusetts Institute of Technology

Leveraging microbes to provide nitrogen and phosphorus to crops and minimize harmful fertilizer use
 Website: <http://web.mit.edu>
 Overview video: <https://youtu.be/61C0B-dK3o8>

Cornell University

Revitalizing degraded agricultural soil in semi-arid regions
 Website: <https://www.cornell.edu>
 Overview video: <https://youtu.be/rxEDKfAXfKE>

Northeastern University

Transforming mariculture, supplanting livestock production, and industrial fishing, to provide sustainable, healthy animal protein to a growing human population
 Website: <https://www.northeastern.edu>
 Overview video: <https://youtu.be/Pqk4oKgqCJg>

Forever Oceans Corporation

Providing sustainable seafood through deep ocean seafood farming
 Website: www.foreveroceans.com
 Overview video: <https://youtu.be/RnVvA5qyDjl>

Oz Harvest Limited

Distributing surplus food to avoid waste, reduce carbon emissions, and fight hunger
 Website: www.ozharvest.org
 Overview video: <https://youtu.be/nfhiRnTLGVU>

HarvestPlus

Eliminating hidden hunger in Africa by fortifying staple crops
 Website: <http://www.harvestplus.org>
 Overview video: <https://youtu.be/2NdmuTwwQqM>

Purdue University

Storing grain without using insecticides to increase farmers' incomes, improve food security, and decrease health risks
 Website: www.purdue.edu
 Overview video: <https://youtu.be/EAlc5ElrUco>

International Plant Genetic Resources Institute operating as Bioversity International

Reviving "forgotten crops" and reducing unsustainable meat consumption
 Website: <http://www.bioversityinternational.org>
 Overview video: <https://youtu.be/Ya4KndJ1QtE>

Texas A&M AgriLife Research

Developing genetically engineered rice with high yields and low greenhouse gas emissions in tropical climates
 Website: agriliferesearch.tamu.edu
 Overview video: <https://youtu.be/Q5UsFMEnRo>

Iowa State University

Developing crops with enhanced nutrient content
 Website: <https://www.iastate.edu>
 Overview video: https://youtu.be/6Yw_9qJgSuk

Food Security continued

University of California Davis (UC Davis)

Developing crop drying and storage systems to prevent food waste and contamination

Website: <https://www.ucdavis.edu>

Overview video: <https://youtu.be/-Xahy8rETEQ>

University of California San Diego

Cultivating algae as a sustainable source of dietary protein

Website: <https://ucsd.edu>

Overview video: <https://youtu.be/85wqMSqSbz4>

University of Minnesota

Protecting Upper Midwest U.S. soil and water through cover crops that prevent erosion

Website: <https://twin-cities.umn.edu>

Overview video: <https://youtu.be/6MUBhqInmMY>

The University of Sydney

Developing new wheat strains fortified with zinc and iron

Website: <https://sydney.edu.au>

Overview video: https://youtu.be/Hf_s05oUizE

World Agroforestry Centre

Restoring land threatened by deforestation, over-grazing, and charcoal production in several sub-Saharan African regions

Website: <http://www.worldagroforestry.org>

Overview video: <https://youtu.be/a8tALDwT1t4>

World Wildlife Fund, Inc.

Fighting food waste through incentives, market tools, and metrics

Website: www.worldwildlife.org

Overview video: https://youtu.be/yHb_ZU3Zcq0

HEALTH BEHAVIORS

American Heart Association

Reducing children's consumption of unhealthy sugary drinks through policy reform and education

Website: www.heart.org

Overview video: <https://youtu.be/FKTVhdkJYV0>

The George Institute for Global Health Behaviors

Cataloging the global food supply and using the data to enhance nutrition and improve diets

Website: <http://www.georgeinstitute.org/units/food-policy>

<https://youtu.be/19d4Vwtk9Ck>

The Trustees of the University of Pennsylvania

Improving life and health through behavior change interventions

Website: www.upenn.edu

Overview video: https://youtu.be/7dUUqtRQG_Y

Tufts University

Promoting healthy eating in the U.S

Website: <https://www.tufts.edu>

Overview video: <https://youtu.be/ENs9vhM9IOM>

University of California, San Francisco (UCSF) Center for Vulnerable Populations

Mobilizing youth to prevent diabetes

Website: <https://cvp.ucsf.edu>

Overview video: <https://youtu.be/skj4TdHSW00>

HEALTH CARE DELIVERY

Colorado State University

Advancing access to radiotherapy for cancer patients

Website: <http://www.colostate.edu>

Overview video: <https://youtu.be/zL9SqLCyqjM>

Health Leads, Inc.

Making social needs like housing and nutrition an intrinsic part of health care provision

Website: <https://healthleadsusa.org>

Overview video: <https://youtu.be/D0JMolG0MY0>

HudsonAlpha

Promoting proactive healthcare through deployment of genomic-guided medicine into the public health system

Website: hudsonalpha.org

Overview video: <https://youtu.be/hbHFjY8fc6k>

Human Dx, Ltd. / Human Diagnosis Project, Ltd.

Providing virtual access to specialist medical care for underserved U.S. patients

Website: <https://www.humandx.org>

Overview video: <https://youtu.be/TarS4K3eoss>

Northwestern University

Establishing a new model of primary care in underutilized Chicago schools by making high-quality care locally accessible

Website: www.northwestern.edu

Overview video: <https://youtu.be/APG4JwCZVR0>

Health Care Delivery continued

The Ohio State University Comprehensive Cancer Center

Preventing cancer through screening and surveillance of genetically high-risk individuals

Website: <https://cancer.osu.edu/about/locations/the-james-cancer-hospital-and-solove-research-institute>

Overview video: <https://youtu.be/p6rYBgNvTbY>

Partners In Health

Deploying community health workers with modern digital tools

Website: <http://www.pih.org>

Overview video: <https://youtu.be/tf57U990z1U>

President and Fellows of Harvard College

Strengthening the delivery of surgical care in Sierra Leone

Website: <http://www.harvard.edu/about-harvard/harvards-leadership/president-and-fellows-harvard-corporation>

<https://youtu.be/llx9-cn9-ZA>

The Trustees of Columbia University in the City of New York

Promoting maternal and infant health through technology and community engagement

Website: <http://secretary.columbia.edu/trustees-columbia-university>

Overview video: https://www.youtube.com/watch?v=oj_fU_i7kfw

Overview video: https://www.youtube.com/watch?v=oj_fU_i7kfw

HOUSING AND HOMELESSNESS

Community Solutions International, Inc.

Ending chronic homelessness through supportive housing

Website: www.cmtysolutions.org

Overview video: <https://youtu.be/3lti4taioP8>

Foundation for Charitable Activities in Bangladesh (FCAB)

Resettling climate refugees from Bangladesh's coastlines

Website: www.fcabd.org

Overview video: https://youtu.be/Cg-pKQ4_-HA

Project HOME

Fighting chronic homelessness through housing and holistic case management

Website: <https://projecthome.org>

Overview video: <https://youtu.be/dY9QKXhpatI>

Vermont Energy Investment Corporation

Facilitating home-ownership and car-sharing for lower income families

Website: <https://www.veic.org>

Overview video: <https://youtu.be/xK4p6lgEddY>

HUMAN TRAFFICKING

Seattle Foundation

Fighting sex trafficking and sexual exploitation by reducing demand and changing norms

Website: www.endingexploitation.com

Overview video: <https://youtu.be/nXPnVzO84Xw>

INFORMATION AND MEDIA ACCESS AND INCLUSION

The Internet Archive

Providing digital access to four million books

Website: <https://archive.org>

Overview video: <https://youtu.be/5eMqwgFEavA>

The University of Edinburgh

Providing robust, affordable, solar-powered internet access to remote regions

Website: www.ed.ac.uk

Overview video: <https://youtu.be/sM9bc8OSwdU>

INTERNATIONAL PEACE AND SECURITY

Polis Center, Indiana University Purdue University, Indianapolis

Eradicating land mines through technology, mine removal, advocacy, and education

Website: <http://polis.iupui.edu>

Overview video: <https://youtu.be/krYwxL-ltMM>

Project for Public Spaces

Empowering community members to transform public urban spaces

Website: <https://www.pps.org>

Overview video: <https://youtu.be/bMePTc4WHmM>

MATERNAL AND REPRODUCTIVE HEALTH

American College of Obstetricians and Gynecologists

Fighting maternal death during childbirth through training and community care

Website: www.acog.org

Overview video: <https://youtu.be/h2CojX1OvYU>

ayzh, Inc.

Providing women affordable, culturally relevant products that support childbirth, newborn and postpartum health, and menstrual hygiene

Website: www.ayzh.com

Overview video: <https://youtu.be/lefFrQ0PdfU>

DKT International, Inc.

Expanding access to contraception through leveraging existing commercial infrastructure in the developing world

Website: www.dktinternational.org

Overview video: <https://youtu.be/vilkd-uezu0>

Living Goods

Training community health workers to improve basic health care in Africa

Website: <https://livinggoods.org>

Overview video: <https://youtu.be/9mfmlcAHuWQ>

MSI-US

Deploying 20,000 community health workers across Africa to provide reproductive health services

Website: <https://www.msi-us.org>

Overview video: <https://youtu.be/orcPuqpRJQY>

Praekelt Foundation NPC

Improving maternal and infant health through mobile phone based health messaging

Website: www.praekelt.org

Overview video: <https://youtu.be/ga21TWQG9OI>

Regents of the University of Michigan

Eliminating preventable maternal and early neonatal death in sub-Saharan Africa through OBGYN training

Website: <http://www.regents.umich.edu>

Overview video: https://youtu.be/z_wdrhKKVIs

MEDICAL INFORMATICS

Children's Medical Research Institute

Analyzing cancer samples and treatment outcomes worldwide for a digitized library

Website: <http://www.cmri.org.au>

Overview video: https://youtu.be/moFdZ6WM_wM

Curoverse, Inc.

Creating a high quality public resource of genomic and health data to inform disease diagnosis and treatment with the help of well-consented participants

Website: curoverse.com/100andChange

Overview video: <https://youtu.be/de7y-kJCS5U>

The Regents of the University of Michigan

Providing health monitoring tools and education for people with chronic disease

Website: www.regents.umich.edu

Overview video: <https://youtu.be/b74f7b6BYkQ>

Sanford Research

Improving health care in isolated areas through data and telemedicine

Website: www.sanfordresearch.org

Overview video:

State University of New York at Buffalo

Developing a platform to screen and rank all human-use drugs

Website: <http://www.buffalo.edu>

Overview video: <https://youtu.be/2tI8RZXYO-M>

University of California San Diego

Mapping cancer cell genomes to develop personalized treatments

Website: <https://ucsd.edu>

Overview video: <https://youtu.be/LHs312JNbUw>

Medical Informatics continued

University of Chicago

Creating a massive open database of cancer genomic data, facilitating research and treatment
 Website: www.uchicago.edu
 Overview video: <https://youtu.be/7paZO4xRm4U>

University of North Carolina at Chapel Hill

Indexing under-studied proteins in the human genome to facilitate drug research and development
 Website: <http://www.unc.edu>
 Overview video: <https://youtu.be/JO7Eg6Kc-qk>

Vanderbilt University Medical Center

Cataloging human immune system genes to understand diseases and find cures
 Website: <https://ww2.mc.vanderbilt.edu>
 Overview video: <https://youtu.be/gPdwiNUEkkM>

MENTAL HEALTH

Board of Regents of The University of Texas System

Improving screening and care for serious mental illness in Texas
 Website: <https://www.utsystem.edu/board-of-regents>
 Overview video: <https://youtu.be/QJpqQlu2dC4>

Crisis Text Line

Establishing a global, text-based hotline service for suicide and mental health counseling
 Website: <http://www.crisistextline.org>
 Overview video: <https://youtu.be/mgue7zX6pp8>

Florida Institute of Technology

Creating a web-based hub for screening and treatment of autism
 Website: www.fit.edu
 Overview video: <https://youtu.be/CRpLv9g1mn0>

Give an Hour

Changing the culture around mental health in the U.S.A. through education and outreach
 Website: <https://www.giveanhour.org>
 Overview video: <https://youtu.be/ljIRU8iXudo>

Grand Challenges Canada

Providing universal mental health care through evidence-based community solutions
 Website: www.grandchallenges.ca
 Overview video: <https://youtu.be/QvjvgYtGbOM>

The Regents of the University of California - on behalf of the UCLA campus

Preventing and treating depression in poorly resourced areas
 Website: regents.universityofcalifornia.edu
 Overview video: https://youtu.be/qokoJ_FtTIY

Southcentral Foundation

Providing mental health care, basic needs, and mentoring to Alaska Native families and children
 Website: <https://www.southcentralfoundation.com>
 Overview video: <https://youtu.be/0SZI66rtMps>

NEWBORN HEALTH

Save the Children Federation, Inc.

Reducing neonatal mortality by preventing infections, ensuring warmth, and providing optimal feeding
 Website: www.savethechildren.org
 Overview video: <https://youtu.be/ffOuRMRN0K0>

William Marsh Rice University

Improving newborn survival in Africa
 Website: <http://www.rice.edu>
 Overview video: https://youtu.be/o_WJDA1EgT4

PRIVACY RIGHTS

**Consumers Union of United States, Inc.,
dba Consumer Reports**

Protecting consumers in the digital marketplace
Website: <http://consumersunion.org>
Overview video: <https://youtu.be/w5SEAE3-uXo>

PUBLIC SECTOR CAPACITY BUILDING

**The Board of Trustees of the Leland Stanford
Junior University**

Creating tools for data-driven public policy
Website: <http://facts.stanford.edu/administration>
Overview video: <https://youtu.be/H808rP-lh5w>

what3words

Mapping and creating addresses for informal settlements,
enabling government services and health care
Website: what3words.com
Overview video: <https://youtu.be/KPiD-gkBsqs>

University of Toronto

Collecting data on death in Asia and Africa, facilitating
study of mortality and climate change
Website: <https://www.utoronto.ca>
Overview video: <https://youtu.be/ZlgkMklbGPo>

RACIAL, ETHNIC AND GENDER JUSTICE, EQUITY, AND INCLUSION

Johns Hopkins University

Fostering social cohesion in Baltimore neighborhoods
and developing a template for inclusive revitalization for
U.S. cities
Website: <https://www.jhu.edu>
Overview video: <https://youtu.be/zPTI82oawfY>

Pro Mujer

Empowering women in Latin America through
financial opportunities, health care, and support for
victims of violence
Website: promujer.org
Overview video: <https://youtu.be/yINr8rwD1z8>

REFUGEES AND VICTIMS OF CONFLICT

Sesame Workshop

Educating children displaced by conflict and persecution
Website: www.sesameworkshop.org
Overview video: <https://youtu.be/99qeQSTmSaw>

Southern New Hampshire University

Providing higher education and accredited degrees to
refugees in emergency situations
Website: <http://www.snhu.edu>
Overview video: https://youtu.be/F33g_Y8OnoE

RESILIENCE AGAINST CLIMATE CHANGE

Columbia University

Identifying opportunities for coordinated behavior across countries to reduce greenhouse gas emissions

Website: www.columbia.edu

Overview video: https://youtu.be/DGnRc_8JsVU

Environmental Defense Fund

Reduce global warming by using science to pinpoint the sources of emissions and creating a campaign that generates the will for policymakers and the oil and gas industry to act

Website: <https://www.edf.org>

Overview video: <https://youtu.be/mdHzFLDriQO>

WWF Brasil

Fighting climate change, augmenting soil, and providing energy through decentralized production of biochar

Website: http://wwf.panda.org/who_we_are/wwf_offices/brazil

Overview video: <https://youtu.be/oXPivLy6vCs>

RESILIENCE AGAINST CLIMATE CHANGE AND ENVIRONMENT

Aclima, Inc.

Deploying networked air pollution sensors in 50 cities worldwide

Website: <https://aclima.io>

Overview video: <https://youtu.be/1Lwo-IXbs8g>

Climate Policy Initiative

Developing financial tools for investment in climate change mitigation and adaptation

Website: <https://climatepolicyinitiative.org>

Overview video: <https://youtu.be/fUkxxDXy6Bc>

Deakin University

Protecting coastal zone carbon sinks to combat climate change and provide resources

Website: www.deakin.edu.au

Overview video: <https://youtu.be/mGFy7nyWh0c>

Dioxide Materials, Inc.

Demonstrating new approaches to carbon capture and fuel production

Website: <https://dioxidematerials.com>

Overview video: <https://youtu.be/HU9z6nuDwCM>

Ecology Action of the Midpeninsula

Using organic farming principles to improve soil capacity, crop yields, and financial outcomes for small farmers

Website: <http://www.growbiointensive.org>

Overview video: <https://youtu.be/zNZhNkuRe-A>

Greening Australia Limited

Reducing sediment run-off to protect the Great Barrier Reef

Website: <https://www.greeningaustralia.org.au>

Overview video: <https://youtu.be/G3U339JckBg>

One Acre Fund

Helping small farmers in East Africa adapt to climate change and improve yields

Website: <https://www.oneacrefund.org>

Overview video: <https://youtu.be/H9HdfLhqAfM>

Trustees of Princeton University

Monitoring ocean temperatures and climate change with floating autonomous robots

Website: <https://www.princeton.edu/vpsec/trustees>

Overview video: <https://youtu.be/mFypYbuoWnE>

University of South Florida

Restoring coral reefs with local stakeholders

Website: www.usf.edu

Overview video: <https://youtu.be/rsvqgx16CVQ>

RESILIENCE AGAINST NATURAL DISASTERS

Rutgers, The State University of New Jersey

Predicting catastrophic storms through undersea robotic gliders

Website: www.rutgers.edu

Overview video: <https://youtu.be/d3tXLNBfYSQ>

RURAL POVERTY

Evidence Action

Reducing seasonal income insecurity among rural households through migration subsidies

Website: <https://www.evidenceaction.org>

Overview video: https://youtu.be/L_FjIT2D3rs

Shared-X LLC

Teaching small cacao and coffee farmers sustainable farming practices

Overview video: <https://youtu.be/fm3hUxMFqc8>

Stanford University

Providing energy, education, health care, and sanitation for rural villages

Website: <https://www.stanford.edu>

Overview video: <https://youtu.be/BkPFONQ3u1I>

SOCIAL PROTECTION AND/OR SAFETY NETS

Catholic Relief Services - United States Conference of Catholic Bishops

Changing how society cares for children in orphanages

Website: <http://www.crs.org>

Overview video: <https://youtu.be/xECBsNPkOZ4>

Institute for the Future

Creating a guild for workers across sectors nationwide, offering benefits, advocacy, and support

Website: www.dataforcities.org

Overview video: <https://youtu.be/fiGQxvmuITQ>

LIFE ElderCare

Expanding Meals on Wheels food and service delivery to senior citizens

Website: lifeeldercare.org

Overview video: <https://youtu.be/kmIPhhJzYME>

Plan International USA, Inc.

Accelerating birth and death registrations in Ghana and Zambia to facilitate rights and services

Website: <https://www.planusa.org>

Overview video: <https://youtu.be/u011ZKTzSb0>

Washington University

Preventing child maltreatment in the U.S. through restructuring public health and family service systems

Website: <https://wustl.edu>

Overview video: <https://youtu.be/6p7GufxeskU>

SUSTAINABLE CITIES, COMMUNITIES, AND REGIONS

ASU Foundation for A New American University

Revolutionizing public health management, using data-driven decision-making, informed by near- real-time population health monitoring

Website: <https://www.asufoundation.org>

Overview video: <https://youtu.be/Kqq4nqAu4og>

Habitat for Humanity International

Revitalizing distressed neighborhoods by connecting and organizing residents

Website: <http://www.habitat.org>

Overview video: <https://youtu.be/vfChkVJ1Pz0>

ISEAL Alliance

Transforming business practices and promoting conservation through the adoption of sustainability standards

Website: www.isealalliance.org

Overview video: <https://youtu.be/GuhQvHptPzM>

RAND Corporation

Improving life in rural U.S. communities through education, economic development, health, and technology

Website: www.rand.org

Overview video: <https://youtu.be/Wsy6aKR-rys>

The Regents of the University of Colorado

Enabling renewable ammonia production using concentrated sunlight, air, and water to facilitate improved use of farmable land

Website: <http://www.cu.edu/regents>

Overview video: <https://youtu.be/AqS74QYalHU>

Sustainability Leaders Network

Identifying place-based climate solutions through participatory engagement of local communities

Website: www.sustainabilityleadersnetwork.org

Overview video: <https://youtu.be/TXhzRPbKPSc>

**Sustainable Cities, Communities, and Regions
continued**

World Council on City Data

Facilitating data-driven innovation in cities through a global open data platform

Website: www.dataforcities.org

Overview video: <https://youtu.be/aICnXZRI4pg>

VACCINE DEVELOPMENT

Beth Israel Deaconess Medical Center

Developing a Zika virus vaccine

Website: <http://www.bidmc.org>

Overview video: <https://youtu.be/liEFKQCNqUw>

Duke University

Developing an HIV vaccine that prevents infection

Website: <https://www.duke.edu>

Overview video: <https://youtu.be/9Uejb1lcV00>

Icahn School of Medicine at Mount Sinai

Developing an influenza vaccine that provides lifetime protection against diverse flu strains

Website: <http://icahn.mssm.edu>

Overview video: <https://youtu.be/-TpYUY9dL9g>

Roswell Park Alliance Foundation

Developing a vaccine targeted at lung cancer most common in smokers

Website: www.roswellpark.org

Overview video: <https://youtu.be/s2x0TZ6-quM>

VISION CARE

Himalayan Cataract Project

Eliminating needless blindness in Nepal, Ethiopia, and Ghana

Website: <http://www.cureblindness.org>

Overview video: <https://youtu.be/hNu6xDhigMs>

Seva Foundation

Providing accessible and low-cost eye care in developing countries

Website: www.seva.org

Overview video: <https://youtu.be/NnKrEUfOYng>

Wynn Institute for Vision Research

Preventing and curing blindness through basic and clinical research and novel clinical treatment modalities

Website: www.wivr.uiowa.edu

Overview video: <https://youtu.be/SFCLXwm3rmY>

ADDITIONAL RESOURCES

www.100andchange.org

www.macfound.org/8boldsolutions

www.macfound.org/perspectives-100change/

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