



MONASH  
University

# OUR RESEARCH IS CHANGING THE WORLD

OUR PROJECTS ARE DRIVEN BY A DESIRE TO MAKE A DIFFERENCE, SOME WITH THE POTENTIAL TO TRANSFORM LIVES. THROUGH UNIQUE COLLABORATIONS WITH INDUSTRY AND A FOCUS ON EXCELLENCE, WE ARE HELPING THE WORLD SOLVE THE GRAND SOCIETAL CHALLENGES OF THE AGE.

These are just a few of our world-leading projects. To discover the rest, **visit [monash.edu/research](http://monash.edu/research)**

## COMBATting MOSQUITO-BORNE DISEASE



Dengue fever is ranked by the World Health Organization as the most rapidly spreading mosquito-borne viral disease in the world, with a 30-fold increase in global incidence over the past 50 years.

Monash researchers have discovered that transferring *Wolbachia* bacteria to *Aedes aegypti* mosquitoes reduces their ability to transmit dengue, and other harmful human viruses such as chikungunya and Zika. The pioneering *Eliminate Dengue* research program led by Professor Scott O'Neill receives funding from multiple sources including the Bill and Melinda Gates Foundation through the Grand Challenges in Global Health Initiative. Project partners in Vietnam, Indonesia, Brazil, Colombia and Australia are currently conducting local trials of the method.

Discover more at: [eliminatedengue.com](http://eliminatedengue.com)

## PLANET, PEOPLE, PROSPERITY



Bringing together the best and brightest minds from all faculties at Monash, along with government, industry and the community, Monash Sustainable Development Institute looks for solutions to significant challenges facing the world today – how do you make Australia carbon neutral, how do you deliver clean water and adequate sanitation to developing countries, what does a sustainable city look like?

With so many passionate and innovative individuals involved, the institute is making a genuine difference in working towards the UN's 17 Sustainable Development Goals.

Discover more at: [monash.edu/sustainable-development](http://monash.edu/sustainable-development)