

January 2023

ASU Julie Ann Wrigley
Global Futures Laboratory™
Arizona State University

Global Futures: **Now**



Jane Goodall (right) signs a book for Global Futures student Reilly Hammond.

“Hope does not deny all the difficulty and all the danger that exists, but it is not stopped by them. There is a lot of darkness, but our actions create light.” — Jane Goodall

In today’s world, with all its problems and instabilities, hope for a better future does not always come naturally or easily. When I look at the state of our planet, I cannot avoid the darkness—current injustices and forthcoming hardships caused by decisions that are focused on short-term gains at the cost of our future—and I know the immense amount of work it will take to create the cultural shift necessary in many places to live in balance with the Earth’s systems. This situation needs strong leadership on many levels and exemplary actions toward a future that will allow the next generations to thrive rather than be confronted with a diminishing set of options.

One of these leaders with the capability to inspire hope is Jane Goodall. The diminutive 88-year-old primatologist is an ever-shining beacon, a source of light and inspiration for many across the globe. Jane is the paragon of hope.

Last month, when she was visiting the Jane Goodall Institute Gombe Research Archive, housed in the Rob and Melani Walton Center for Planetary Health, I had the opportunity to have a conversation with Jane and members of the Jane Goodall Institute. Despite following her career and hearing her speak virtually during our 2022 Earth Week activities, it was the first time I had ever met her.

When I was a child, Jane was just beginning her work in the Gombe. The story of a woman living among chimpanzees was newsworthy in the 1960s, and I was excited by the idea of anyone living among the primates in the rainforest. But more importantly, she fundamentally changed the way we conduct scientific research. In the 1960s, as a scientist, a researcher could not have empathy or identify with their subjects. They were taught to keep their distance to maintain objectivity. That is not how Jane saw it. She even went as far as to name her subjects: David Greybeard, Goliath, Fifi and many others.

The distant, objective scientist does not serve us. We have to drastically change the notion of how we conduct science to make it relevant for the future

of our planet. Jane was a systems thinker before it was popular, and the Julie Ann Wrigley Global Futures Laboratory is designed for the connections innate in Jane – bringing together humanities, engineering, social science and physical sciences to address the problems that humans have created so we can live in balance with Earth.

Meeting with Jane, and reading her latest book, I am reminded that hope is a noun—a feeling—but hope is also a verb. It is difficult to do nothing and to hope for a better future. Hope requires commitment and resolve. Just as importantly, hope is contagious. In the words of Jane, “Together we can. Together we will.”



Peter Schlosser
Vice President and Vice Provost of Global Futures

News



ASU partners with Clean-Seas to create \$50M plastic-to-hydrogen facility

A collaboration between Arizona State University's Rob and Melani Walton Sustainability Solutions Service and waste-to-energy-solutions company Clean-Seas is slated to bring a clean hydrogen facility, the first of its kind, to Arizona. The two entities recently signed a memorandum of understanding to establish a \$50 million plastic-to-clean hydrogen facility.

[Learn more](#)

**Do environmental markets
cause environmental injustice?**



Ben Amstutz/Flickr

Evidence from California

[Danae Hernandez-Cortes](#), assistant professor in the College of Global Futures, co-authored a study exploring the growing concern that market-induced spatial reallocation of pollution could widen existing pollution concentration gaps between disadvantaged and other communities. The study examines how this environmental justice gap changed following the 2013 introduction of California's carbon market.

[Learn more](#)

Gender differences in connection to nature, outdoor preferences and nature-based recreation

A growing number of scientific evidence supports that nature-based recreation can enhance human health and promote conservation. In two separate surveys of college students in Brazil and the United States, researchers found that women were more connected to nature than men and preferred outdoor environments to recreate. However, in a discovery that raises concerns about gender equity, women were less likely than men to engage in nature-based recreation. [Scott Cloutier](#), assistant professor in the School of Sustainability, co-authored the paper.



[Learn more](#)



The machine is inside you

Katina Michael, professor at the School for the Future of Innovation in Society, is interested in how technologies are used for national security. She is also interested in the social implications of such technologies. As the line between human bodies and technology becomes more blurred with inventions such as implantable microchips and location-tracking devices, Michael calls “uberveillance” into question.

[Learn more](#)

Toward a collaborative smart city: A play-based urban living laboratory in Boston

John Harlow, an assistant research professor in the School for the Future of Innovation in Society, was among a group of researchers who reported on an urban living laboratory that designed a suite of play-based prototypes as an attempt to “institution” collaborative smart city governance in the city of Boston.

[Learn more](#)





Q&A: Welcome to a new year on a warming planet, now with 8 billion people

As a new year begins, so do new conversations about how our growing global population will impact the future of humanity's life on Earth. Manfred Laubichler, director of the School of Complex Adaptive Systems and the Global Biosocial Complexity Initiative, discusses climate change, population and capitalism in a Q&A with The Arizona Republic.

[Learn more](#)

Tourists love Hawaiian coral reefs just a little too much

A global attraction for tourists, coral reefs are as fragile as they are beautiful. Through combining social media and aerial mapping of the sea floor, researchers found that tourism negatively impacts coral reefs. The study, published in [Nature Sustainability](#) and co-authored by [Greg Asner](#), director of the Center for Global Discovery and Conservation Science, shows that reefs are directly affected by tourism through on-reef visitation and physical damages and indirectly affected through elevated pollution and infrastructure development.



[Learn more](#)



Allen Coral Atlas included in 2022 Green Technology Book

The Green Technology Book presents trends and solutions to combat impacts of climate change, including agriculture and forestry, the water sector and cities. The [Allen Coral Atlas](#) is included in the most recent edition as a “proven technology” to support marine ecosystem health.

[Learn more](#)

Climate change threatens global prosperity; the World Bank should help

Jonas Gamso, an associate professor of international trade and global studies at the [Thunderbird School of Global Management](#) and senior Global Futures scholar, discusses the role of the world's premier development organization in mitigating climate risks.



[Learn more](#)

People



Resources for Future Generations

Jay Famiglietti brings decades of water expertise as ASU launches water initiative

With more than 30 years of experience researching, writing and speaking about water, Jay Famiglietti's passion about the subject is anything but fluid. From providing expert water commentary on HBO's "Real Time with Bill Maher" to hosting an award-winning freshwater science podcast, Famiglietti, now a Global Futures Professor with the School of Sustainability, has found many avenues to raise awareness about water security.

[Learn more](#)

Ron Broglio named new director of Institute for Humanities Research

Renowned educator, leader and senior Global Futures scholar [Ron Broglio](#) has been appointed director of the Institute for Humanities Research. Broglio, who was previously the associate director of the institute, also directs the institute's Desert Humanities Initiative.



[Learn more](#)

In The Conversation

[William Wordsworth and the Romantics anticipated today's idea of a nature-positive life](#)

By [Sir Jonathan Bate](#), Foundation Professor of Environmental Humanities in Global Futures, the School of Sustainability and the College of Liberal Arts

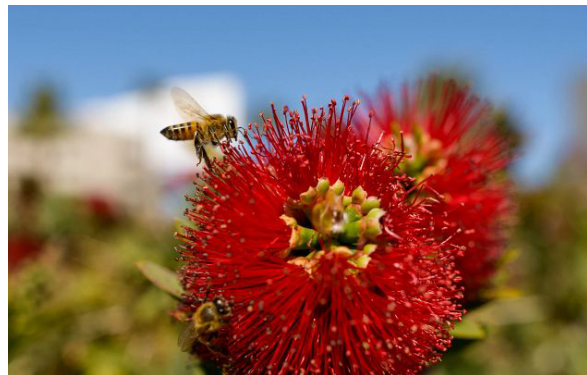


Upcoming events



Open Door Tempe

Join us in the atrium! Once a year ASU throws open its doors and invites the community inside for the Open Door events on each campus. Whether it be a class trip or family



International Congress of Biometeorology

Join the International Congress of Biometeorology this May to discuss the impact of weather and climate on

visit, guests of all ages are welcome at the Rob and Melani Walton Center for Planetary Health.

Feb. 25, 1–5 p.m.
Atrium, Rob and Melani Walton Center for Planetary Health

[Learn more](#)

the well-being of all living creatures. The theme for this year's congress is "Urban to Global Sustainability."

May 14–17
Memorial Union

[Learn more](#)

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–Times Higher Education, 2021

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