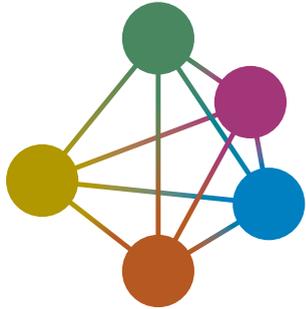


The Future at Biosphere 2

Our 5-year Strategic Plan is built on five pillars

Biosphere 2 (B2) is a campus of the University of Arizona (UArizona) engaged in world-class environmental research, education, and entrepreneurship to solve the grand challenges of climate change, biodiversity loss and sustainable development on Earth and beyond.



Inspired by the research in this iconic structure that can be done nowhere else on Earth, the campus also includes:

- Classrooms and educational programs
- UA Center for Innovation incubator
- Visitor Center that attracts and educates nearly 100,000 visitors annually
- Conference and retreat center
- Additional research infrastructure

Sustainability Research

Advancing the science of sustainability and resilience of natural and human-designed systems

- Improving restoration and adaptation of natural ecosystems to achieve a deeper understanding of how and why they respond to changing environments
- Improving local-to-global Earth system models to predict impacts of human activities on natural systems
- Designing and testing interventions to enhance resiliency of ecosystems to climate change and extreme environments
- Developing novel technologies to monitor changing environments and mitigate negative impacts of global change



Resilience Solutions

Translating science to generate innovative solutions to humanity's urgent problems

- Translating Earth system science and engineering to generate solutions for life on Earth and beyond
- Supporting entrepreneurs through the University of Arizona Center for Innovation
- Collaborating with industrial partners using B2 facilities
- Fostering an inclusive campus culture of interdisciplinarity and innovation



Tomorrow's Leaders

Preparing the next generation of leaders in resilience science and solutions

- Enhancing the educational experience of University of Arizona students
 - Creating exciting and inclusive undergraduate research experiences that increase engagement in STEM fields for all students
 - Partnering for teaching and learning with UArizona academic units
 - Broadening graduate education for transdisciplinary research to solve Earth's complex problems
- Providing inspiring and engaging experiential learning opportunities for K12 students and teachers
- Increasing science literacy through regional tourism



International Networks

Deepening connections to global networks of science, innovation, and education

- Expanding and enhancing current science collaborations to address global grand challenges
- Becoming recognized as part of global sustainability innovator networks
- Joining educational networks for collaborative research and hands-on learning for students and visitors from around the globe



Arid Lands

Using regional expertise to advance resilience of arid lands

- Strengthening collaborations with regional experts, including in traditional knowledge, to increase the resilience of arid lands locally to globally
- Developing and disseminating case studies and demonstrations for increasing resilience
- Moving towards becoming a demonstration net-zero community



Excellence in operations, justice, diversity, equity and inclusion in everything we do.