



schoolofsustainability.asu.edu

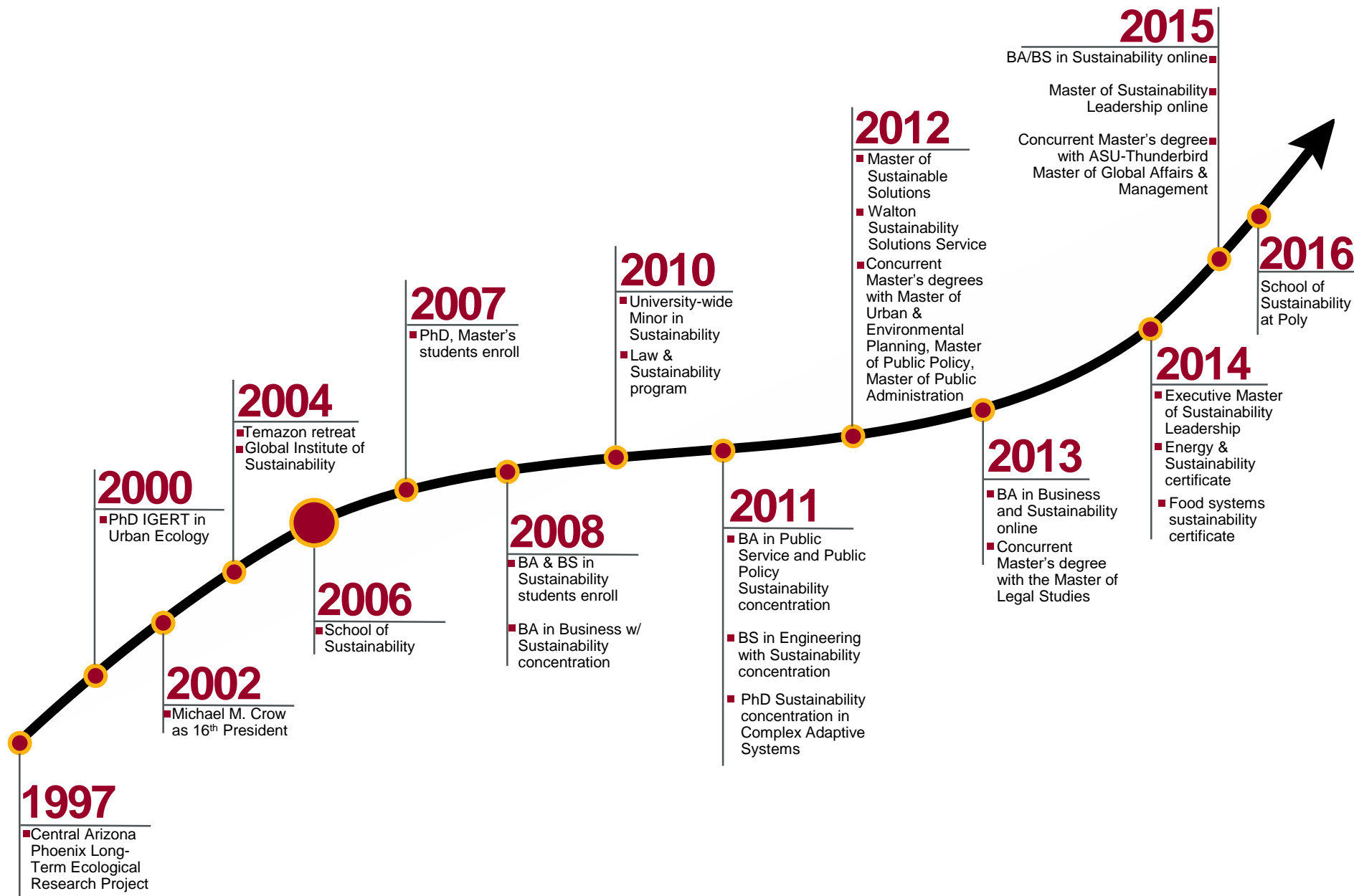




#1 **BEST COLLEGES**
USNews
MOST INNOVATIVE
2018

in the U.S. for innovation

#1 ASU #2 Stanford #3 MIT
– U.S. News & World Report
2016, 2017 and 2018



Undergraduate Degrees

Bachelor of Arts

- Society and sustainability
- Policy and governance
- International development
- Urban dynamics

Bachelor of Science

- Energy, materials, and technology
- Economics
- Ecosystems

4+1 Accelerated degree (BA/BS + Master of Sustainability Solutions)



Graduate Degrees

Master of Arts in Sustainability

Master of Science in Sustainability

Master of Sustainability Solutions

Master of Sustainability Leadership (online)

Executive Master of Sustainability Leadership (hybrid)

Doctor of Philosophy (PhD) in Sustainability

Doctor of Philosophy (PhD) in Sustainable Energy



Sustainability Competencies

1. Systems thinking
2. Future thinking
3. Normative thinking
4. Strategic thinking
5. Collaborative thinking

Wiek, Arnim, Lauren Withycombe, and Charles Redman. 2011. "Key Competencies in Sustainability: A Reference Framework for Academic Program Development." *Sustainability Science* 6 (2): 203–218.





Systems Thinking

Analyzing how things relate to and affect one another in a holistic way

Example courses:

- Energy Efficiency in Policy and Practice
- Systems Thinking
- Sustainable Ecosystems



Futures Thinking

Envisioning desirable and possible futures

Example courses:

- Sustainable Urban Dynamics
- Futures Thinking
- Climate Science for Sustainability



Values Thinking

Understanding how culture, tradition and values influence decisions

Example courses:

- Equity, Justice and Sustainability
- International Development and Sustainability
- Human Rights and Sustainability



Strategic Thinking

Developing a strategy or plan to achieve a particular vision

Example courses:

- Organizations, Sustainability & Public Policy
- Sustainable Development in Action
- Sustainability and Enterprise



Collaborative Competency

Working effectively with others to achieve a goal

Example courses:

- Innovation Space
- Urban sustainability Best Practices
- Professional Skills in Sustainability

Global Institute of Sustainability

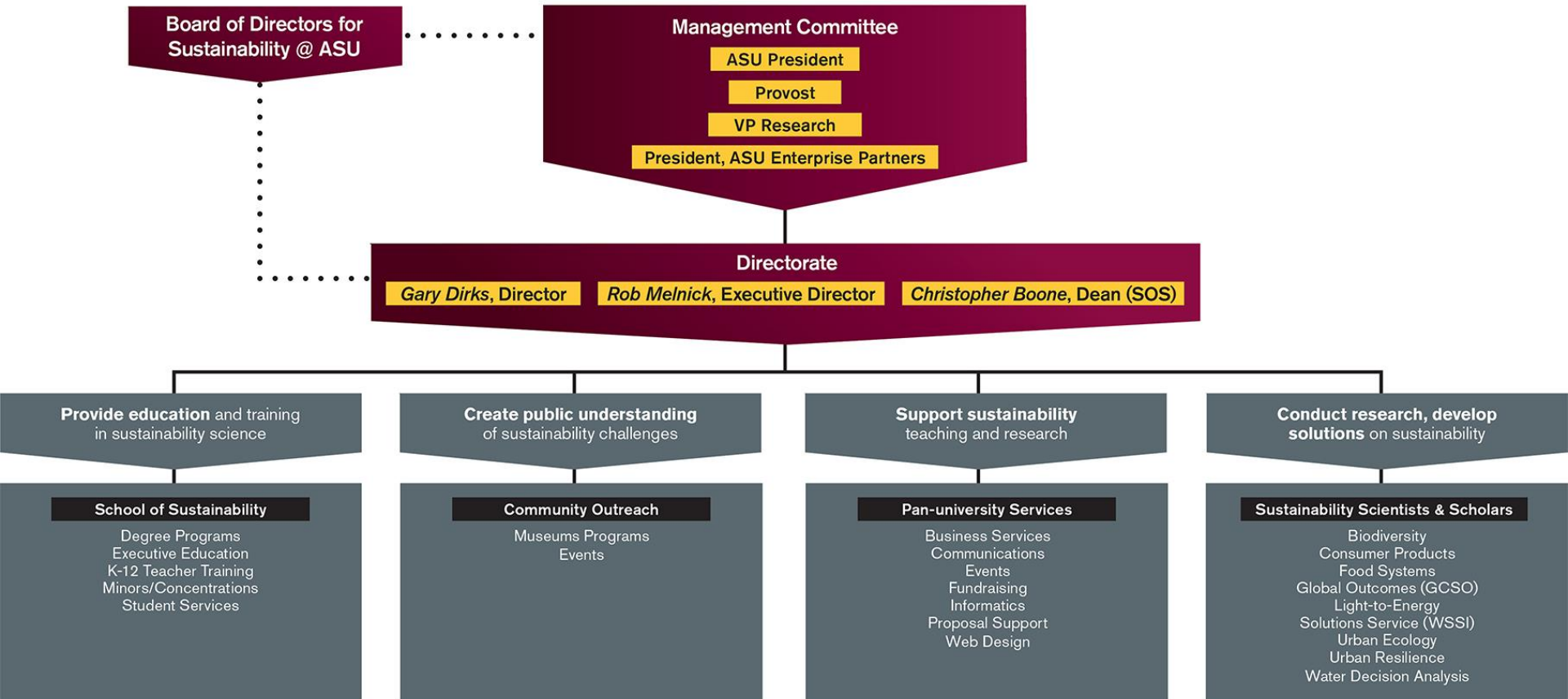
Julie Ann Wrigley, on partnering with ASU



Arizona State is what a university has to look like to solve 21st century problems. Under the old model, one part of the university has no reason to work with another part. At ASU, sustainability is a value system campus-wide, not just a single field of study. The fact is that in order to succeed, you have to make partnerships."
~ Julie Ann Wrigley

GLOS® organizational chart

Julie Ann Wrigley Global Institute of Sustainability



Research



Center for Biodiversity Outcomes



CAP Long-Term Ecological Research



Decision Center for a Desert City



Environmental Humanities Initiative



Food Systems Transformation Initiative



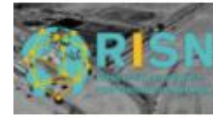
Global Consortium for Sustainability Outcomes



LightWorks®



PlanetWorks



Resource Innovation and Solutions Network



Stardust Center



Sustainable Cities Network



The Sustainability Consortium



University Sustainability Practices



UREx Sustainability Research Network



Walton Sustainability Solutions Initiatives



More Global Programs at ASU



Our scientists are working to advance the U.N. Sustainable Development Goals. Here's a snapshot from August 2016.

