Welcome to ASU’s West Campus
Town Hall Welcome

Marlene Tromp
Vice Provost, Dean & Professor

Chris Boone
Dean, School of Sustainability

Gary Dirks
Director

Rob Melnick
Chief Operating Officer/Executive Director
School of Sustainability

Chris Boone
Dean, School of Sustainability
SOS Updates

- **ASU Online Efforts**
  - EMSL, MSL, BA/BS

- **Solutions-Based Learning**
  - ProMod, MSUS

- **Global Partnerships**
  - World Bank/IFC
  - Starbucks
  - USAID
  - EPA

- **New Funding/Scholarships**
10 Year Anniversary Celebration
April 2016

- GIOS® Board Meeting
- Wrigley Speaker Michael Pollan
- Food Summit
- Ugly Food Feast
- Celebration
West Campus Collaborations

- Over 20 Sustainability Scientists and Scholars on West and Thunderbird Campuses
- Affiliations through research and teaching activities
  - CAPLTER
  - Center for Biodiversity Outcomes
  - Graduate Faculty
- Welcome opportunities for additional collaborations through
  - GIOS Research Proposal Service
  - Sustainability Scientists and Scholars Concierge Services
- Plan a tour of Wrigley Hall in early 2016 to encourage use of hoteling and meeting space
Julie Ann Wrigley Global Institute of Sustainability

Gary Dirks
Director
GIOS® Highlights

Pursuing 3.0 ➞ 4.0
- Global Strategy to Scale

$700M Research Goal
- Partnerships to collaborate on large projects in core focus areas
GIOS® Highlights

Board of Directors Activities
- Board expansion
- October Meeting @ Cal Academy
- Hawaii
  - Green Growth
  - Education
  - Food
  - Energy

Traditional Knowledge
- Create awareness/dialogue

Food Systems Transformation
- Connecting partners to create solutions to FS challenges
Our objective is to make ASU and GIOS® synonymous with Sustainability on a global scale.

Solutions
Engagement
Education
Research
Sustainability Highlights

- Touring Spring 2016: WaterSim, a dynamic water simulation model developed by DCDC, joins the Smithsonian Museum’s Main Street exhibit

- LightWorks awarded $1.5M through the Naval Enterprise Partnership Teaming with Universities for National Excellence (NEPTUNE), supporting energy-related projects engaging veterans & active-duty military

- ASU Global and LightWorks received an $18 million grant from the U.S. Agency for International Development to create a Partnership Center for Advanced Studies in Energy in association with two Pakistan universities
Sustainability Highlights

- Walton team member Mick Dalrymple named Director, University Sustainability Practices

- WSSI Global Solution Services contracts awarded in Albania and Egypt. $2.4M in proposals in development; including India and Jordan.

- Science Museum Fellowship launched at ASTC Montreal. Applications will close Nov. 23.

- Wells Fargo Regional Teachers’ Academy held in Broward County, FL with 34 teachers and 4 staff.

- Carbon Roots International (co-founded by SOS graduate Ryan Delaney) was highlighted in National Geographic magazine with the headline "Bright Ideas can Change the World."
Global Consortium for Sustainability Outcomes (GCSO)

Rob Melnick
Chief Operating Officer/Executive Director
**Context**

**The Maturation of GIOS®**

**GIOS®1.0**
Design GIOS® and SOS (Temozon)

**GIOS®2.0**
Initiate and grow GIOS® and SOS; involve all of ASU

**GIOS®3.0**
Evidence that ASU enables and impacts sustainability outcomes

**GIOS®4.0**
Take ASU’s sustainability teaching, discoveries, applications to scale
GCSO: Mission/Purpose

GCSO will be a federation of universities and research institutes that collaborates to develop, test, teach and transfer potential solutions to worldwide sustainability problems.

Said solutions could take many forms.
GSCO: Overview

- **Focus:** sustainability solutions and outcomes
- **Activities:** research, development, teaching, application, exchanges, collaborations
- **Initial membership:** 10 select institutions
- **Scope:** U.S., Europe, Asia, South/Central America, Australia
- **Revenue:** annual membership dues ($50K each) + seek external awards
- **Business model:** revolving fund reinvestments
- **Governance:** Non-profit corporation governed by its members
- **HQ:** ASU provides space, staff, funding of operations
- **Sustainability issues:** TBD by members
What do we mean by a sustainability outcome?

A sustainability problem was reduced, eliminated or deflected by applying a research-based, practical solution.
“Scaling Sustainability Solutions”: 3 Examples of Co-developed Research Projects

**RISN:** Resource intelligence technologies and public policies for generating jobs and revenue from municipal waste (*WSSI*: U.S. Nigeria, Guatemala)

**Sustainable Sourcing and Supply Change Management:** Applied technology tools for large-scale retailer purchasing of consumer products. (*TSC*: Multiple countries in Europe, U.S. Asia, South America)

**Managing and Modifying Locust Plagues:** R&D on ecology and insect physiology to create sustainable agriculture and economic well-being (*SOS+*: Senegal, Inner Mongolia, Australia)
GCSO Value Proposition

- Visibility for international leadership in sustainability science and solutions
- Purposeful, global connections in sustainability science
- Enhanced collective competitiveness for funding
- Positive branding from association with leading institutions
- Contributions to the public good
- 100% of member dues reinvested in member projects
- No dues paid until 10 members sign (critical mass)
- Connected brainpower to design scalable solutions to global issues of sustainability
Member Responsibilities

- Appoint a representative to the Board of Directors
- Appoint a “lead” research/teaching unit
- Help determine research/teaching/sustainability foci, opportunities
- Participate in at least 1 multi-member proposal per year
- Send representative to annual face-to-face meeting
- Participate in periodic member e-discussions
- Collaborate on publications, as appropriate
- Pay annual dues
Sample Revenues/Expenditures

**Year 1 Revenue (@ 20 members)**
- Membership dues: $1,000,000
- ASU HQ contribution: $250,000

- $1,000,000 (Blue)
- $250,000 (Red)

**Sample allocations (@ $1,000,000 of grants to members)**
- Competing for external $ (Green, $500K)
- Student exchanges (Purple, $100K)
- Faculty/staff exchanges (Blue, $200K)
- Curriculum + teaching (Yellow, $200K)
Potential Members Institutions (short listed*)

- Tec de Monterrey, Mexico
- Leuphana University of Lüneburg, Germany*
- Portland State University, U.S.*
- Universidad Nacional Autónoma de México, Mexico
- Babes-Bolyai University, Romania*
- University of New South Wales, Australia
- Kings College, U.K.*
- University of British Columbia, Canada
- Wuppertal Institute, Germany*
- Monash University, Australia
- Erasmus University, Netherlands
- Karsruhle Institute of Technology, Germany*
- University de Los Andes, Columbia
- Hong Kong University of Science and Technology, China*
Implementation Actions

- Validate, refine value proposition
- Determine highest priority members
- Identify champions at each institution
- Develop marketing materials
- Meet, recruit potential members
- Critical mass = 5 (founding members) + 5 members
- Establish non-profit corporation; buy domain names
Open Discussion

sustainability.asu.edu