Sustainability Research at the USC Wrigley Institute for Environmental Studies

Dr. Ken Nealson, Director
Research Across our Cornerstones

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What We Do

• Enable Coastal Research
  - Harmful Algal Blooms: Understanding risks to wildlife & human health

• Collect Long Term Data to Track a Changing World
  - San Pedro Ocean Time-series: Oceanographic data off L.A.

• Support Innovation Toward Sustainable Solutions
  - Freshwater Security: Keeping our drinking supply safe
  - Kelp Biofuel: Alternative energy from the sea
  - Future of Food from the Sea: Sustainable Seafood
Future Growth Areas

• Expand the Wrigley Institute Faculty Innovation Fund
  - Grants to foster faculty research in sustainability

• Increase Fellowships for Sustainability Graduate Research
  - Summer Sustainability Fellowship – 28 USC graduate awards to date

• Catalina as a Test Bed
  - A ‘living laboratory’ to engage faculty research and pilot solutions

• Expand Industry and Decision-Maker Partnerships
  - Moving solutions out of the laboratory and into society
Cross-Campus Collaborations

• Connecting Sciences to the Business Sector
  - USC Wrigley Sustainability Prize
    • Mentorship with Marshall; Finalists from across campus

• Linking Science, Policy and Politics
  - Climate Forward: Navigating the Politics of Climate Change
    • Dornsife: Center for the Political Future and
      Price: Schwarzenegger Institute

• Computer Sciences for the Environment
  - Collaborations with Viterbi’s Information Sciences Institute
    • Big data, artificial intelligence, etc.