



About Us

ESF Outreach offers:

- Professional education conferences and workshops.
- Programs for middle and high school students and teachers.
- Undergraduate and graduate credit courses for non-degree students.



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ESF Outreach E-news

December Edition

A regular update on ESF's outreach programs, projects, partnerships and people.

Our monthly E-newsletter now includes an "E-Query", a current fact related to our mission and our programs.

E-Query: How many real Christmas trees are grown / cut in the U.S. each year?

Answer: There are approximately 350 million Christmas trees currently growing on Christmas tree farms in the United States. Of these, between 25 and 30 million trees are cut and sold each year. Nationally, Oregon has the most acreage in Christmas trees (approximately 67,000 acres), while New York ranks sixth, with just over 20,000 acres. Once the Christmas season is over 93% of real Christmas trees are recycled by the consumer, either in the garden or backyard, or in one of 4,000 local recycling programs. Recycled Christmas trees have many uses, including the creation of fish habitats in ponds and rivers, the restoration of dunes and preservation of wetlands along our coasts, and as mulch for playgrounds, parks and gardens. Source: National Christmas Tree Association
<http://www.christmastree.org>

To see some recent work from ESF concerning Christmas trees, take a look at <http://www.howcast.com/videos/285054-Christmas-Tree-Fertilization> where Dr. Russ Briggs demonstrates how to increase productivity of a Christmas tree plantation using proper fertilization.

Upcoming Outreach Programs Include:

The SAGE (Sustainability & Green Entrepreneurship) Project Webinar
Thursday, December 7th 9:30 – 11:00 AM

The SAGE Project engages high school students and teachers with people and ideas that demonstrate the green entrepreneurial spirit. Participants are introduced to entrepreneurial thinking, the science of

environmental challenges, and the role they can play in meeting these challenges. Environmental innovation is not only a social consciousness issue but an economic one. New advances and innovations can lead to new jobs, careers and profit and non-profit ventures.

This year, in partnership with CenterState CEO's business idea competition, ESF Outreach will support student participation in the competition with a Webinar on green entrepreneurship on Tuesday, December 7th from 9:30 to 11:00 a.m. The Webinar will also benefit students not participating in the competition but who are interested in green entrepreneurship. The Webinar will consist of a panel discussion with area entrepreneurs and environmental scientists including Mr. Gary Lim (Aurarius LLC), Mr. Mitchell Patterson (CenterState CEO), Dr. Rick Beal (ESF) and others.

High School teachers and students interested in this Webinar and future events should visit:

www.esf.edu/outreach/sage

Register Now!

Kiln Drying Workshop, January 10-13, 2011 / Syracuse, NY

This workshop will provide practical knowledge about how wood is effectively kiln dried and the scientific background to related wood properties and drying processes. The instruction and topics will be of interest and great value for novice and experienced kiln operators, as well as yard, sales, purchasing, marketing, and manufacturing managers. To register for this workshop visit:

<http://www.esf.edu/outreach/kiln/2011/registration.htm>

NYS Green Building Conference, March 24 – 25, 2011 / Syracuse, NY Co-hosted by the Upstate Chapter of the U.S. Green Building Council and SUNY ESF

The Syracuse Post-Standard recently highlighted the work of Kevin Stack (a visiting instructor in our Sustainable Construction Management Engineering department), a leader of in the **9th Annual NYS Green Building Conference**, taking place in Syracuse on **March 24-25, 2011**. You can read about his passive energy home at:

http://www.syracuse.com/progress/index.ssf/2008/02/house_in_the_woods_near_tully.html

You may register as a sponsor or participant in the Green Building Conference at:

www.esf.edu/greenbuilding/.

ESF Centennial Seminar

ESF Faculty and invited guests will offer a series of 8 seminars in the Spring 2011 semester on selected topics pertaining to the history of ESF. Seminar topics will include an overview of ESF history from disciplinary, professional and societal perspectives, and will enable students to develop an understanding and awareness of ESF's teaching, research and outreach missions. The course, FOR 496 Special Topics, will take place from February 14 – March 9, 2011 from 4 – 5:30 pm. For more information, please contact the Outreach office at 315-470-6817 or outreach@esf.edu.

Items of interest for our Outreach Clients:

Meteorologist Dave Eichorn on Climate Change

Mr. Dave Eichorn, as part of a NASA-funded global climate change education project, has developed online courses and free videos on the connection between [climate change](#) and meteorology, in collaboration with ESF faculty and staff. Check out this new video on [YouTube](#):

<http://www.youtube.com/watch?v=e8o3lf-oQEc>

For information and to register for online courses visit: www.esf.edu/esfonline

Leading Sustainability

Leading Sustainability in Public, Private and Non-Profit Organizations is an educational program designed for those responsible for thinking strategically and technically about their institution's sustainability agendas. This fall 34 professionals, representing a wide range of institutions throughout the state participated in the program. The participants learned about various aspects of institutional plans and operating procedures that are critical to future success of sustainability planning from an instructional team of experienced practitioners and instructors from SUNY ESF, The Syracuse Center of Excellence in Environmental and Energy Systems, and O'Brien and Gere, Inc. Topics covered included principles of sustainability, life cycle analysis, renewable energy, organization change and leadership, as well developing, validating, and presenting sustainability planning progress. We look forward to offering the program again in 2011. For more information about Leading Sustainability, please visit the program website: www.esf.edu/outreach/lis

Green Infrastructure Workforce Development Training Program

SUNY ESF is excited to announce the graduation of our first class from the **GreenTrain Landscaping and Urban Ecology Program**. The GreenTrain Landscaping and Urban Ecology was developed to help under- and unemployed residents and refugees in Syracuse gain skills and experience in emerging green collar workforce opportunities. For the past 10 weeks, students learned gained skills and experience with the design, building, monitoring and maintenance of green infrastructures, including rain gardens, green roofs, rain barrels, and porous pavement. The program curriculum also included additional skills important for workplace success, including English as a Second Language, financial literacy, teambuilding, leadership, and communication. Each student also completed a 2-week internship at local green infrastructure related businesses. On December 3rd, 12 students from 5 different countries graduated from the program. This program is delivered through partnerships with the Northside Urban Partnership and the Centerstate Corporation for Economic Opportunity. For more information on this program and other Green Infrastructure initiatives at SUNY ESF, please visit the green infrastructure project website: www.esf.edu/outreach/gi





Public Employee Federation employees learn about invasive species

At three half-day, interactive sessions during the months of October and November, ESF biology professor Dr. Melissa Fierke organized workshops on the impact of invasive plants, insects and aquatics on local ecosystems. Major topics included strategies for documenting and controlling these invasive species, as well as an overview of the legal restrictions involved. Participants in the workshops earned Continuing Education Units (PDHs).

For a complete listing of ESF Outreach events, please visit our calendar at:

<http://www.esf.edu/outreach/calendar.asp>

Have you recently moved, been promoted, changed jobs, or changed email addresses? You can update your information at the following link: {[EM-MNGPROFILE LINK]}
If you no longer wish to receive the ESF Outreach E-news, just follow the link and unselect the box next to E-news.