



## From a dream to making dreams come true for Upstate underserved youth

### THE CONCEPT – Regional fair for ALL NYS students

- GSSSF\* offers workshop about “orphaned counties”
- Partnership promotes creation of a new ISEF-affiliated regional fair serving NNY, WNY and Southern Tier
- Director attends 2004 and 2005 ISEF for guidance, ideas, and networking
- SUNY ESF Outreach is in!

### 2006, 2007 – SUNY ESF + GSSSF\* launch TRSEF!

- Yr 1, SUNY ESF\* Outreach and GSSSF test the waters
- Yr 2, GSSSF partners TRSEF
- IISEF\* affiliation requires 5 schools *or* 50 Senior Level students – done in 2 yrs!  
2006 = 3 schools / 12 stud.  
2007 = 7 schools / 15 stud.
- Both yrs, 2 IISEF Finalists
- TRSEF forms 501(c)3 for fundraising

### 2008, 2009 – Major hurdles overcome

- Funding secured for 2008 but withdrawn; corporate offices will not permit precollegiate partnerships; TRSEF cancelled, so ...
- 2009 brings 6 grants and sponsorships (including NCF's first multi-yr grant!)
- TRSEF runs 6 Family Science Adventures
- 6 schools / 46 students

### 2010 Cycle – First fully-funded independent yr.

- Dr. Ying offers \$7500 challenge grant; adds Ying Scholar Finals + County Science Champions
- OCC\* becomes host site
- UB\* sends our first Rube Goldberg Machine team
- NCF grant funds pilot of first mentor partnership
- First IISEF Awards rec'd
- 18 schools / 58 students

### 2011 Cycle – Our door to the future

- Dr. Ying doubles challenge grant – now \$15,000
- OCC and Dr. Ying make long-term commitment
- GLOBE presents 1st Upstate training in 10 yrs!
- “Fair in a Box” launched as online resource
- Ying TRSEF secures first category sponsors
- 16 schools / 73 students

### 2012 Cycle – Partnering to expand outreach

- Ying STEM Portal connects underserved teens with STEM mentors
- Ying TRSEF joins Engineering Society of Buffalo and TACNY
- Adelphi Univ. invites Ying TRSEF into NSF grant
- NASA and foundations fund Steuben Science Summer
- 19 schools / 78 students

### 2013 Cycle – Engaging more districts

- Ying Prize of quarter million \$ opens endowment
- Launch 5-yr partnership with Onondaga; goal is to staff Ying TRSEF as a permanent unit of College
- Stockholm Jr Water Prize team wins NYS competition
- Ying TRSEF Finalist third in the world (chem/mol. bio)
- 26 schools / 142 students

### 2014 Cycle – Launch Campaign for Permanence

- NY's US Senators and 9 US Reps. to pilot, TimeWarner Connect a Million Minds to fund, first Congressional Science Fair with our kids!
- NASA funds PDs/CEUs and mini Maker Faire for CNY
- Move fair to larger venue at Onondaga
- Launch endowment plan for *Campaign for Permanence*

\* GSSSF – Greater Syracuse Scholastic Science Fair

\* NCF – Northern New York Community Foundation

\* SUNY ESF – SUNY College of Environmental Science & Forestry

\* OCC – Onondaga Community College

\* IISEF – Intel International Science and Engineering Fair

\* UB – SUNY University at Buffalo