

Minutes  
**NRSP6 Technical Advisory Committee meeting 2013**  
June 25-26, Sturgeon Bay, WI

**Tuesday, June 25<sup>th</sup>**

Members present in person: Douches, Bamberg, Yencho, Abad, Bizimungu, Lindroth  
Members by phone: Brown, Bretting, Caroline Gray (for Holm), Wisler, Nessler, Thro  
Industry and other guests present in person: Janina & Scott Petrick, & Ray Gieringer (CETS),  
Curzio Caravati & Angela Cassity (Kenosha SSE Potato Project), Hoopes (formerly Frito-Lay),  
Palta (UW), Krucker (Simplot), Genebank staff.

Acting chair Douches opened the meeting at 9 AM and those present introduced themselves. Resolutions committee was appointed as Douches & Yencho. Old minutes were approved. New SR rep Yencho (replacing C. Miller) was welcomed to the TAC. Industry cooperator reports were moved up on the agenda:

Petrick presented CETS activities by PowerPoint. This Wisconsin company aims to fill the need for rapid, reliable ramp-up of clonal propagules for the crop through computer controlled growth chambers (15,000 minitubers in 56 square feet growth chamber). The genebank has helped CETS by having particular clones that they want to demo to international clients. Bamberg remarked appreciation for their financial support.

Hoopes is retired from Frito-Lay but continues breeding unique and specialty lines as a private endeavor.

Curzio Caravati is involved in outreach to the non-professional gardener and farm markets and a Seed Saver Exchange member. Interested in hobby growing technology. Wants to help genebank by generating taste data, and promoting appreciation for potato diversity to general public through website and Angela's writings, e.g., [www.kenoshapotato.com/daytrip](http://www.kenoshapotato.com/daytrip).

Krucker presents powerpoint of Simplot activities. Innate is their patented technology aimed at using a GM approach that is consumer-accepted (no foreign DNA). Transformed varieties are familiar and ostensibly identical except for the improved trait. Bamberg remarked that the financial support by Industry including Simplot, Kemin, CETS, Frito-Lay are essential to the continued success of getting NRSP6 budgets passed by SAES directors.

Thro gave the NIFA report. Projects are successful if they can communicate a story with an idea, technology, and impactful implementation for the public good, like examples in the NRSP6 2012 Annual Report p. 6.

Bretting gave the NPL report. One of our own former NPGS curators (Ellis) is now head of the genebank at CIP. Budget for FY13 reduced by 7.8%, but Congress may bring it back and add some for FY14. Bamberg noted FY13 losses to genebank resources: \$13K federal CRIS, \$11.5K NRSP6's MRF. Bretting noted push to update Crop Germplasm Vulnerability statement (many TAC members are also potato CGC members). Bamberg (CGC chair) noted we have a plan and schedule to do so.

Caroline Grace WR report (for Holm), going over germplasm recipient comments: Germplasm received is high quality and in good condition. Many traits being mined from it-- "an invaluable resource".

Lindroth reports for administrative advisors, noting a new potato breeder has been hired at Wisconsin. Midterm NRSP6 project review was very favorable and is on genebank website.

A catered lunch was enjoyed on site with ad lib tour of the the PARS "Garden Door" show garden.

Bamberg reviewed CY12 Annual Report which has been posted on genebank website since January: <http://www.ars-grin.gov/nr6/admin.html>. Was asked to check on the availability of clip from film (Hungry Film) made about USA collecting in Arizona last fall. Outlook for resumed collecting in Latin America was discussed. Outlook for use of colored-flesh genebank stocks for health and other metabolic processes was remarked by Brown.

Brown referred to his report giving germplasm recipient responses. His own research with exotics includes using trap crops for nematodes, Cooper conducts germplasm research on phsyillids, Haynes on nitrogen use efficiency, Novy on non-greening and Jansky on scab, reducing sugars, calcium, verticillium and starch.

Yencho reports on stocks requested by SR for a variety of purposes. They are interested in health components in specialty potatoes as well. The SR uses more NRSP6 germplasm than suggested by their volume of orders, since SR breeding is done primarily using germplasm-improved breeding stocks developed in other regions.

Douches presents NCR report, inviting Palta to cover Wisconsin, who sketches the objectives of the state's breeding program, and puts particular emphasis on abiotic stress, use of calcium, and frost hardiness research. Douches reviews germplasm recipient comments from the NCR, and presents MSU research on studies of diversity partitioning in a spectrum of NRSP6 species using the SolCAP 8303 SNP array. Bamberg is collaborating with Douches to publish the SNP analysis of the genebank core collection.

Abad presents the situation at APHIS as it impacts the genebank. His lab functions to protect the genebank from import of exotic diseases. Prioritization of imports may need to be done in the future. The idea of continuing first-come-first-served, but after setting a ratio of public and private imports was suggested. Pay for service is not a viable option.

Bizimungu reports for Canada. Funding is declining, but still have a strong program of germplasm use, mostly by the federal breeding program. Nutritional traits are of particular interest. Techniques such as in vitro screening, protoplast fusion, somaclonal selection, and metabolic profiling are being used.

The group enjoyed a dinner at Stone Harbor Resort.

### **Tuesday, June 25th**

The group met at 8:30 for final business.

Resolutions were presented by Yencho:

Whereas the NRSP6 project has met in Sturgeon Bay, Wisconsin at the NRSP6 project site located at the Univ of Wisconsin Peninsular Agricultural Research Station during June 25-26, 2013.

And, whereas we have had another productive, informative and enjoyable meeting.

And, whereas we wish to acknowledge the following individuals and groups:

Dr. Lindroth for his service as the NRSP6 administrative advisor;

Dr. Jiwan Palta for his longstanding service to the Potato industry and the NRSP6 project;

Dr. Robert Hoopes for his longstanding service to the Potato industry and the NRSP6 project;

The CETS and J. R. Simplot company, and the Kenosha Potato Project for their interest and participation with the NRSP6 project;

And last, but certainly not least, the Sturgeon Bay potato germplasm team and PARS farm staff including Max, Jesse, Sheila, Tim, Adele, John and Matt for being such fine hosts.

Therefore be it resolved that we have officially concluded this meeting at noon on June 26th, 2013 and we wish everyone safe travels home.

Respectfully submitted, Resolutions Committee

Dr. Dave Douches, Michigan State University Dr. Craig Yencho, NC State University

New TAC officers for 2014:

DeJong =Secretary  
Holm = Chair  
Brown = Vice Chair

Next meeting venue

Hosted by Brown at Spokane and/or Prosser, WA: Tentatively, July 25-26, the Friday and Saturday before the Potato Association of America annual meeting 2014 at Spokane.

Conclusion of business was followed by a tour of genebank facilities and demonstrations by genebank staff, then a wagon tour of the PARS farm fields and orchards by Superintendent Matt Stasiak. Those remaining departed after a catered pizza lunch in the conference room.