<table>
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<th>SolCAP Solanaceae Coordinated Agricultural Project 5th Annual Meeting</th>
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<td><strong>January 13, 2013</strong></td>
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<td><strong>Meeting</strong></td>
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<td><strong>Director</strong></td>
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<td><strong>Attendees</strong></td>
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AGENDA

8:00-8:05am Welcome and Introduction

8:05-8:20am SolCAP overview
David Douches, Michigan State University

8:20-8:40am The SolCAP Potato Story
David Douches, Michigan State University

8:40-9:00am The SolCAP Tomato Story
David Francis, Ohio State University

9:00-9:15am Outreach, Education and Extension
Allen Van Deynze, U.C. Davis / Shawn Yarnes, Ohio State University

9:15-9:30am Evaluation of extension activities:
Michael Coe, Cedar Lake Research Group

9:30-10:15am USDA Leadership/Future Outlooks/Open discussion
USDA Leadership/David Douches, Michigan State University

10:15-10:30am Break

10:30-11:15am Advisory Board meeting: Closed session

11:15-11:50am Discussion: Closed session
Comments from Advisory Board with Executive Committee

11:50am-Noon Closing Comments
# SolCAP Solanaceae Coordinated Agricultural Advisory Board Meeting

**January 13, 2013**  
10:15AM – 11AM Closed Door  
Town and Country Resort, San Diego, CA

**Meeting**  
4th Annual SolCAP Advisory Board Meeting

**Leader**  
Dr. Glenn Bryan

### Attendees
- Glenn Bryan, The James Hutton Institute, Scotland
- David B. Neale, UC Davis
- Michael Coe, Cedar Lake Research Group, SolCAP Assessment
- James Giovannoni, Boyce Thompson Institute for Plant Research
- Craig Wood, eXtension
- David Kendra, Pepsico
- Aliya Momotau, Frito-Lay, Rhinelander, WI
- Ian Puddephat, R&D Senior Director, Ag Sci, Pepsico

### Not Able to Attend
- Caius Rommens, Simplot Company
- Charles Rivara, California Tomato Research Institute
- Rene Klein Lankhorst, EuSOL
- Deb Lewis, Ohio State University Extension

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# SolCAP Advisory Board Discussion with SolCAP Executive Committee and Participants

**11AM (Open Session)**  
Presenter: Glenn Bryan

### Attendees
- Advisory Board (listed above)
- David Douches, MSU
- Allen Van Deynze, UC Davis
- David Francis, Ohio State Univ.
- Lukas Mueller, Cornell Univ.
- Walter De Jong, Cornell Univ.
- Shawn Yarnes, UC Davis/Ohio State Univ.
- Joyce Van Eck, BTI Cornell University
- John McQueen, Oregon State Univ.
- Kelly Zarka, MSU
SolCAP Advisory Board Discussion with SolCAP Executive Committee and Participants

**Discussion A (Entire SolCAP Project related)**

The Advisory Board noted that the SolCAP Team has met and exceeded their objectives in many ways. A tremendous amount of progress has been achieved on all fronts. The SolCAP project has developed many tools and resources for the community. The outputs from SolCAP are dramatic and are having extensive global impact. It was noted that SolCAP research has been mentioned at various meetings and conferences all over the world. “SolCAP has dramatically changed the potato and tomato research communities”.

**Conclusions**

The group agreed that the SolCAP Project is going extremely well and the data is of excellent quality. The board does not have any concerns about the science and they were extremely grateful for the work of the SolCAP community.

**Discussion B (No Cost Extension Year)**

There was a discussion regarding clarification of the no cost extension year.

SolCAP’s financial funding ended 9/1/2012, however, the project will continue for an additional year without additional funds. SolCAP is able to do this because of 4 years of careful economical spending of our allocated funds. Additionally, each year, “future interest funds” were set aside. Most of these funds were budgeted for and released during our 4th year. A considerable amount of these funds were used for additional community genotyping. An extensive amount of analysis is in progress with all of the data we have collected. Most of the remaining funds were budgeted for salaries to cover analysis costs.

Although there are no available funds for new research, the SolCAP executive committee welcomed the advisory board to share thoughts on future research interests.

**Conclusions**

The next steps for bioinformatics research in potato and tomato include: genotyping by sequencing and developing a denser SNP array. Illumina has extended the availability of the current chips through 2013. Additionally Illumina offers add on features to the chips. For example, a researcher can request the potato SNP chip and add more SNP’s to their custom chip.

The key for SolCAP in the final days is to continue to position the tomato and potato communities so that the breeders are enabled to utilize the latest technologies.

SolCAP directors mentioned that we currently have several projects testing genotyping by sequencing.

**Discussion C (Research potato related)**

There was a discussion regarding the data being analyzed with potato and there is a concern that there might be a bias in the SNP data set for cultivated potato vs wild potatoes. It was suggested that some RNA seq analysis research could be done if there are any more resources available.
Discussion D (eXtension – Plant Breeding Genomics CoP)

A key recommendation from the advisory board is directed toward the USDA to make sure that funding continues for the Plant Breeding Genomics CoP which has established itself as a viable growing resource. The success of the numerous webinars, content, assessment/evaluation resources is necessary for the success of the plant breeding community to continue to utilize the latest technologies.

Discussion E (SGN)

Sustainability of Sol Genomics Network (SGN) is a concern. A general problem with breeder toolboxes comes down to usability. Being able to get the data out of the database in a usable form for the general breeder is the key.