N.C. A&T – N.C. State Research Partnership

The following six working groups formed at the first meeting of the N.C. A&T – N.C. State Research Partnership in 2013, based upon the eight initiatives defined in 2012. Faculty at these institutions are invited to engage with any of these groups by contacting any of the participants listed, or to contact one of the coordinators, Dr. Shirley Hymon Parker at N.C. A&T (sjhymon@ncat.edu) or Dr. Lisa Guion Jones (laguion@ncsu.edu) at N.C. State, or by contacting the Office of Agricultural Research.

Group 1, *Improving Human Health and Well-Being for Individuals, Families and Communities*

Members: Mitzi Dowling, Lorelei Jones, Michelle Eley, Meeshay Williams-Wheeler, Slavko Komarnytsky, Shengmin Sang, Shewana McSwain, Misty Blue-Terry, Nichole Huff, Sekai Turner

Creating Healthy Communities

- Research
  - Functional Foods - Whole Grains
  - Disease Prevention

- Teaching
  - Nutrition Human Development
  - Research findings Student engagement

- Extension
  - CBO’s
    • Community Action Groups
    • 4H Stem EFNEPFCV
    • Community Gardens
    • Environment - Livable Spaces
    • Curriculum
    • Parent and Youth Ed.
    • Advocacy
    • Volunteer Leadership Development

- Nutrition
  - Sociologists
  - Behavioralist
  - Env. Planning and Design
  - Clinical

- Data Management
- Time
- Funding
Group 2, *Food Supply*


1) Impact of chemical applications on plant and human pathogens pre and post harvest

2) NIFA, USDA, National Institute of Food and Agriculture

3) Extension, Produce or Animal Specialist

4) Access to BL3 labs, Environmental conditions, greenhouse

5) More collaboration

6) Planning Sessions

   1) Collaborative Project Idea
   2) Opportunities
   3) Other Expertise Needed
   4) Barriers
   5) Ways to Reduce barriers
   6) How to move forward
Group 3, Biofuels/Bio-energy products

Members: A. Chilcote, A. Shahbazi, L. Wang

Opportunity: Biobased products

- Biofuels
- DOE grant opportunity in education on biofuels/bioenergy/bioproducts
- USDA – (all programs have an education component) Cornerstone
- USDA & DOE BRDI Biomass R&D Initiative

Barriers:

1- New industry
2- Interests vary by fuel prices

Members Needed:

- Dept. of Agriculture
- Researchers from B.A.E. Dept.
- Economics
Group 4, *Reducing Barriers to Horticultural Crop Production Operations, and Marketing*

Members: Yeboah, Jennings, Crozie, Jefferson, Dole, Yang, Gu

Opportunity

- Develop budgets
- NC branding
- Target to econ. development zone

Other Expertise

- Sweet potato specialists

Barriers

- Producer willingness to share info
- Initial investment

Reducing Barriers

- Relationships with growers

Proposal? NCDA and CS spec. corps?
Group 5, Research Station Use Statewide?

Members: N. Whitley, A. Fahrenholz, R. Noble, S. Stewart, J. Waterman, S. H. Oh, D. Monks

Opps $\implies$ * Research station use/collaborations
   * Integrated farm ideas

Other Expertise $\implies$ NCSU Staff?

Barriers

- volume diff (small farms)
- envt. differences/distance
- mindset
- facilities (appropriate)

Meetings with research groups

find out what goes on at stations and what we can all collaborate on
Group 6, “Urban Soil, Air, Water, and Biodiversity Stewardship”

“Natural Resources”

Members: L. Bradley, S. Lee, M. Reyes, G. B. Ready, G. Gayle

1) * Certification

   People
   
   consumers
   vocational
   High School
   professional

   Places
   
   Senator
   centers
   homes
   parks
   campuses

* Competition

2) gerontologists, engineers, waste management, landscape professionals, land developers,
   Human representatives from target groups, health team

3) funding issue, staff, time, inertia, synergy effort

4) funding, “leadership” “Ray, David, Shirley, Bill”
   M  M  HP  R

5) Dr. Reyes (or someone) will be “the” leader.