



**BERKS COUNTY
CONSERVATION DISTRICT**

Spotted Lanternfly & Invasive Control

Evan Corondi

Mosquito-borne Disease Control & Outreach Coordinator

Conserving Natural Resources for Our Future

BCCD Action Plan

- Provide information and literature to interested and concerned citizens.
- Educate students, public, and industry through workshops, field trips, and on-site demonstrations.
- Coordinate with municipalities to host workshops and community outreach events.
- Develop action plans for municipalities to begin control efforts.
- Coordinate Conservation District funding for control efforts.



Student Education

Date	Event	Location	# Reached
6/20/2017	Schuylkill Acts & Impacts	Oley Community Park	12
6/27/-6/29/2017	DHCLS	Ag Center, Nolde	18
11/1,11/3,11/7/2017	Junior Forum	Nolde	130
1/2/2018	EPA Grant Teacher Training	Berks Nature	25
2/2/2018	Boyertown High School Presentation	Boyertown High School	30
4/27/2018	Enviroscape/Invasives Presentation	Kutztown Middle School	100
5/4/2018	EcoFun Day	Angelica Park	200
5/11/2018	EcoFun Day	Angelica Park	200
5/25/2018	EcoFun Day	Angelica Park	200
6/5/2018	Hereford Elem Water Ed Day	Hereford Elementary	200
6/26/-6/28/2018	DHCLS	Ag Center, Nolde	21
7/10/2018	Voice Up Berks Presentation	Nolde	16
7/19/2018	Teacher Shadowing	Reading, PA	12
9/19/2018	Berks Christian SLF Presentation	Reading, PA	50
10/3/2018	Berks Christian SLF Presentation	Reading, PA	25
10/11/2018	Family Night @ Tyson-Schoener Elem	Reading, PA	153
10/12/2018	Aquapolluzza	Angelica Park	300
11/1/2018	Albright College SLF Discussion	Albright College	25
1/27/2019	SLF Presentation Scouts of America	Temple, PA	20
1/18/2019	EPA Grant Teacher Training	Berks Nature	24
2/19/2019	Albright College Senior Seminar	Albright College	9
5/10/2019	Eco Fun Day	Berks Nature	200
5/16/2019	SLF Presentation(Berks Christian)	Reading, PA	25
5/24/2019	Eco Fun Day	Berks Nature	200
6/3/2019	Hereford Elem Water Ed Day	Hereford Elementary	200
6/27/2019	Conservation Leadership School	Berks Co Parks & Rec	9

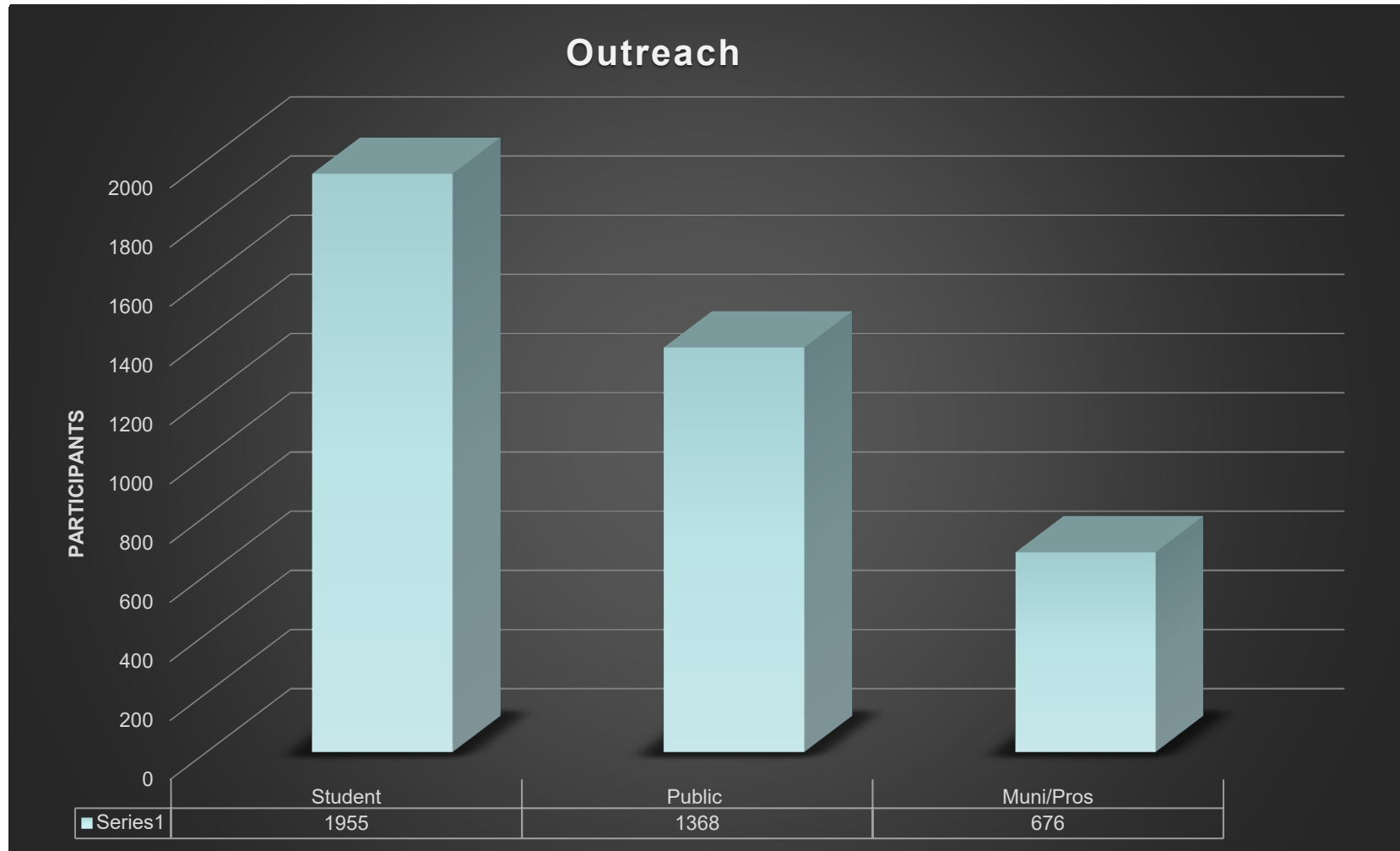
Public Education

Date	Event	Location	# Reached
6/10/2017	GO Day	Blue Marsh Lake	40
9/25-9/26/2017	Greenways & Trails Summit	Reading, PA	40
1/11/2018	SLF Public Meeting	Maidencreek Muni. Building	22
1/25/2018	SLF Public Meeting	Ag Center	120
2/28/2018	SLF Public Meeting	Amity Firehall	50
3/8/2018	Farmer Workshop	Fleetwood Grange	7
3/22/2018	SLF Public Meeting	Robesonia Library	10
4/20/2018	BCCD Seedling Sale (informational display)	Ag Center	225
6/4/2018	SLF Public Meeting	Birdsboro Library	15
6/26/2018	SLF Night @ Reading Phillies	Reading, PA	500
7/12/2018	SLF Public Meeting	Oley Library	10
8/8/2018	SLF Public Meeting	Wyomissing Library	30
8/13/2018	SLF Public Meeting	Double Tree, Reading PA	22
8/28/2018	SLF Research Tour w/Penn State	Ag Center, Berks County	52
9/10/2018	SLF Public Meeting	Bethel Twp	40
9/20/2018	SLF Public Meeting	Pottstown	90
10/18/2018	SLF Presentation(PRPS)	Cabelas	40
1/27/2019	Scouts of America Presentation(parents)	Temple, PA	20
3/5/2019	SLF Public Presentation(St. Daniels Church)	Womelsdorf, PA	20
4/4/2019	PACD Meeting	Harleysville, PA	15
4/6/2019	SLF Presentation(Hawk Mountain)	Hawk Mountain Sanctuary	20
4/26/2019	Seedling Sale/Backyard Basics	Ag Center	200
7/12/2019	SLF Public Presentation	Bingaman House	5
7/23/2019	SLF Night @ Reading Phillies	Reading, PA	400
			1368

Municipal/Professional Education

Date	Event	Location	# Reached
11/9/2017	Berks Nature Breakfast	Berks Nature	100
11/20/2017	Penn State MWS Pres.	Ag Center	25
1/31/2018	SLF Municipal Meeting (BCWSA)	Albright College	15
2/23/2018	SLF Municipality Training/Permit Seminar	Ag Center	71
4/26/2018	SLF Educational Seminar for DCNR Educators	Gettysburg, PA	100
5/16/2018	SLF Presentation for Berks/Sch Beekeeper Assoc.	Ag Center	32
8/20/2018	Reading City Council SLF Control Discussion	Ag Center	33
10/3/2018	Cabinet in Your Community	Penn State	200
1/16/2019	SLF Presentation Berks Co Public Works	Oley, PA	100
			676

Outreach Totals (6/2017-12/2019)



Total=3999 Participants



Immeasurable Outreach

- WEEU Call-ins
- iHeart Radio Ad Campaign
- WRFY Roundtable
- Media Coverage
- Social Media Outreach





SLF Action Committee

- Formed in 2016 to oversee SLF Education & Outreach
 - Representing members from, BCCD, partnering agencies(state and local), local EACs, and public
 - Meet bi-annually or as needed
 - Coordinate minor elements through email
 - Discuss funding opportunities and review grant applications
 - Federal, state, and local government
 - Academic research funding(Penn State Ext.)



SLF Action Committee

- **Deliverables**

- Create functional SLF Education & Outreach program for students, general public, and industry professionals
 - Fieldtrips, in-class presentations, contests
 - Townhall meetings, municipal workshops
 - Conferences, industry presentations
- Coordinate and assist partnering agencies with E&O events
- Inform and train industry professionals
- Increase surveillance and assist with control
 - Egg mass scraping, tree banding, mechanical and chemical control



SLF Community Engagement Taskforce

- Formed by the PA Department of Agriculture in the fall of 2017 and meeting since January 2018
- Representing members from the public, businesses, Federal, State, and local government
- The primary goal is community engagement in the control of spotted lanternfly, including
 - Improving communication/information seen by the community
 - Bringing together efforts of all partners trying to stop spotted lanternfly
 - Helping to hone a clear and concise message to deliver back to the community
 - Directing people to the best information



SLF Community Engagement Taskforce

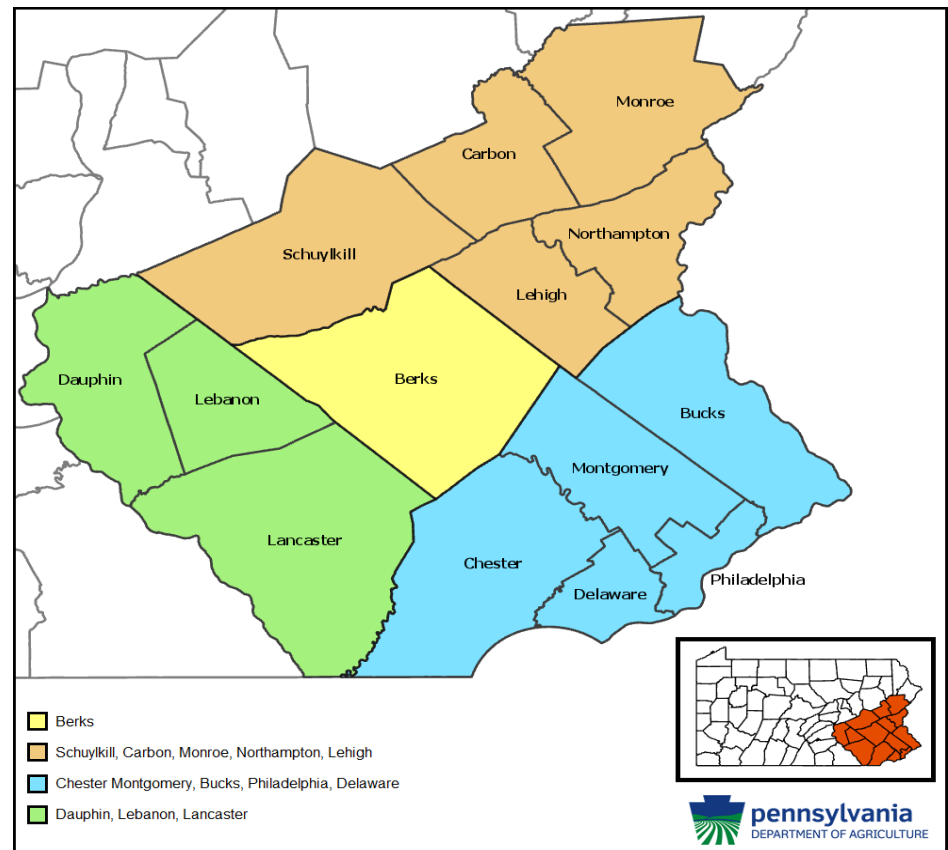
- Four taskforces covering the 14 quarantined counties

Central:
Berks County

Northern:
Schuylkill – Carbon – Monroe –
Northampton – Lehigh Counties

Southern:
Bucks – Montgomery - Chester –
Philadelphia – Delaware Counties

Western:
Dauphin – Lebanon - Lancaster
Counties



SLF Community Engagement Taskforce

- Representing members from the public, businesses, Federal, State, and local government
 - Perspectives to consider
 - Agriculture
 - Commerce
 - Municipalities
 - Residents
 - Landscape/Nursery Industry
 - Forestry/Conservation
 - Key industries
 - Education



Control Program

- 2019
 - ~200 Applications
 - ~125 Valid applicants
 - Selected 20 residential private properties
 - Ranked based on various qualifications
 - \$141,000 for control
 - ~\$350,000 additional spent on separate projects
- 2020
 - 8 properties selected from 2019 list
 - Additional properties ranked for future selection
 - \$250,000 for control



Spotted Lanternfly (SLF) Assistance Request Form

Personal Information:

- Name _____
- Address _____ Closest Intersection _____
- City/Town _____ Property size _____ (approx. acreage)
- Phone _____ Township/Boro _____
- Email _____

Property Information:

- Number of *Ailanthus altissima* (Tree of Heaven) on your property = _____
- SLF Adult Infestation Level *per tree*- please try to accurately estimate (*circle one*)
None, Low = Fewer than 10 adults, Medium = 11-100 adults, High = 100+ adults
- Egg Mass Infestation Level (*circle one*)
None, Low = Fewer than 10, Medium = 11-100, High = 100+
- Property Type - Residential, Public, Agricultural, Commercial (*circle one*)

Assistance Requested

- Banding Only - no installation included
- Ailanthus* Control - "Hack & Squirt" (Removal only upon specific circumstance)
- Systemic Chemicals for Application around *Ailanthus* trees - "Trap Tree Program"
- SLF Treatment (Contact insecticide purchase)

Management Requested

- Owner to perform (Financial Assistance Only)
- BCCD to manage requested work (does not include banding)

* Not every property will be approved for financial assistance in treating for SLF. There will be a ranking system to prioritize projects. BCCD will rank requests to determine which properties serve as a greater risk and therefore are given priority.

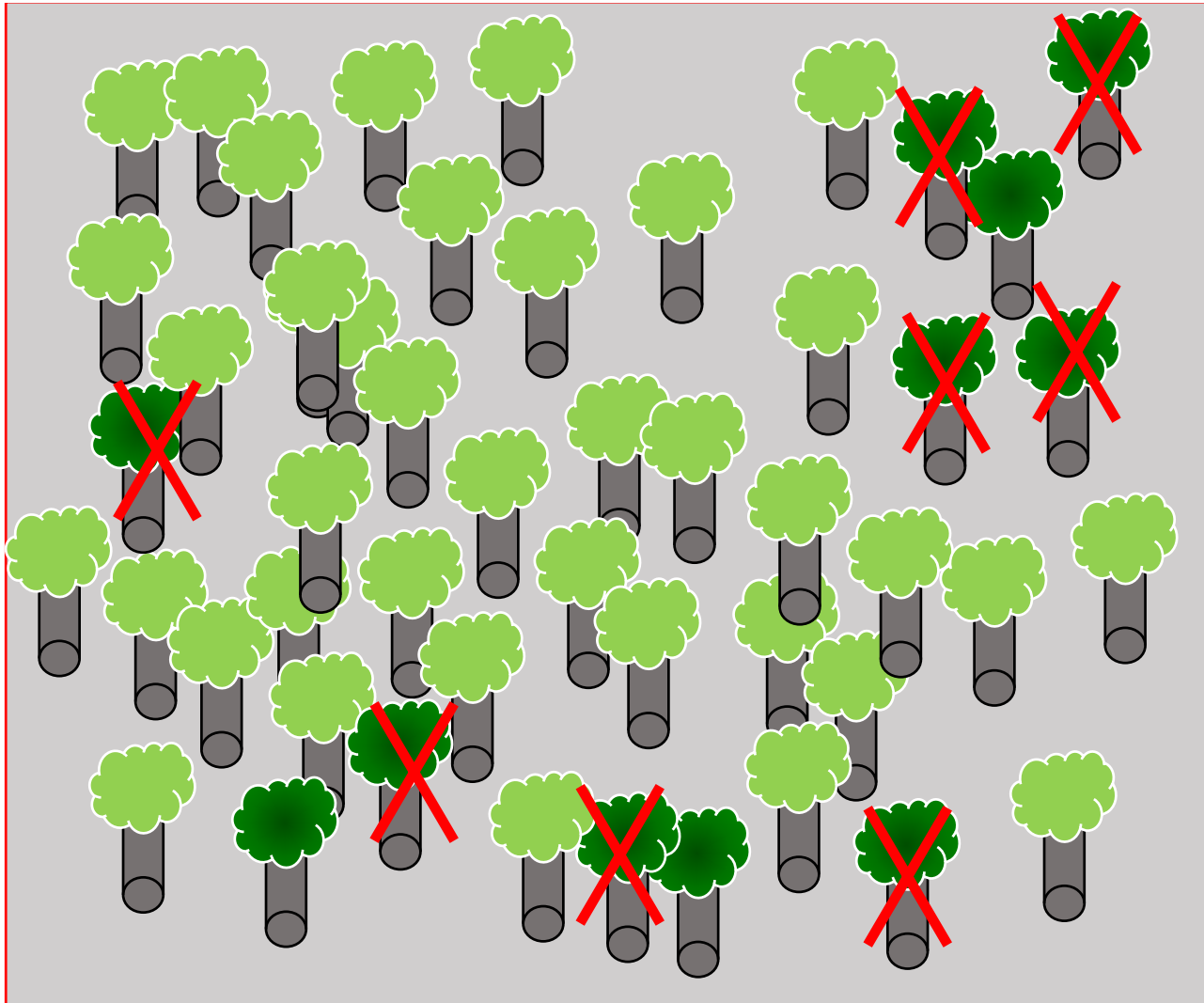
* Larger properties or a contiguous group of properties will be ranked higher, but neighboring properties can benefit by being joined together with a single liaison for the project.

Please complete and return this form as accurately and promptly as possible by mail to the address below, or email to Deborah.Winkler@berkscd.com. Form due by **February 15, 2019**.



1238 County Welfare Road, Suite 200
Leesport, PA 19533

Spotted Lanternfly in Pennsylvania



Host Reduction

**Remove Most
Ailanthus**

**Leave a few male
trees and treat
with systemic
insecticide**

Spotted Lanternfly in Pennsylvania



Trap trees

**July-September
4th Instar and
Adults**

**SLFs
concentrate to
feed on Tree of
Heaven with
insecticide and
die**

Control Cont'd

- 8 properties treated under BCCD grant
- 8 additional properties treated using additional funding
- 3,830 *Ailanthus* killed
- 58 Trap trees established
- In addition to grant, 4,133 additional *A. altissima* killed. 48 trap trees.
- 699 total acres treated



County Funding

- Berks County awarded BCCD \$20,000 towards SLF Control
- Utilized for a large project at Sheerlund Forests.
- 149 *A. altissima* killed
- 4 trap trees established



Control Cont'd



Control Cont'd



How PA Conservation Districts can adopt PRISMs

- Coordinate easily with other counties/CDs
 - Currently communicate through monthly calls
 - Utilize CD mapping for regions
- Coordinate and work well with Federal and State Governmental groups
 - Communicate through monthly calls, quarterly reports, workshops
- Coordinate with municipalities
 - Communicate through monthly newsletters

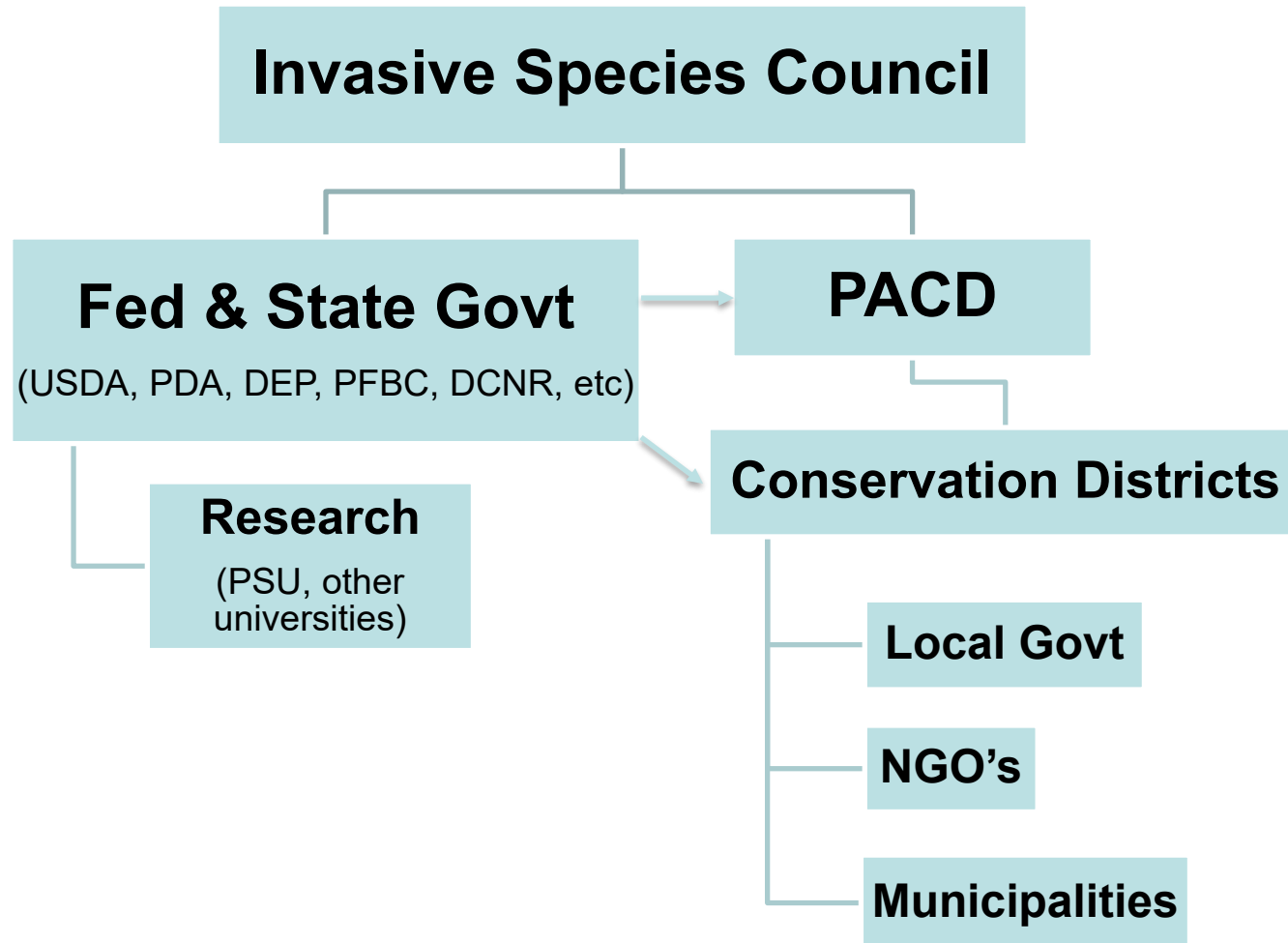


How PA Conservation Districts can adopt PRISMs

- Integrated education
 - Established working relationship with local environmental/volunteer groups
 - Established student education base
 - Good public relations
- Conduct surveillance and preventative control
 - Similar programs currently in operation(SLF, Mosquito Control)
 - Good public relations
 - Experimenting with various mapping tools



How PA Conservation Districts can adopt PRISMs





BERKS COUNTY CONSERVATION DISTRICT

1238 County Welfare Road | Leesport | PA | 19533

610-372-4657 ext: 212

evan.corondi@berkscd.com

Thank you

Conserving Natural Resources for Our Future