

CARCD 72nd Annual Conference
“Dynamic Partnerships, Relevant Results”
November 2017 – Sacramento, CA



RESOURCE
CONSERVATION DISTRICTS

*Forging Unexpected Partnerships with a Common Goal:
Restoring Degraded Land in California while Reducing Water Consumption*



LAND LIFE
COMPANY

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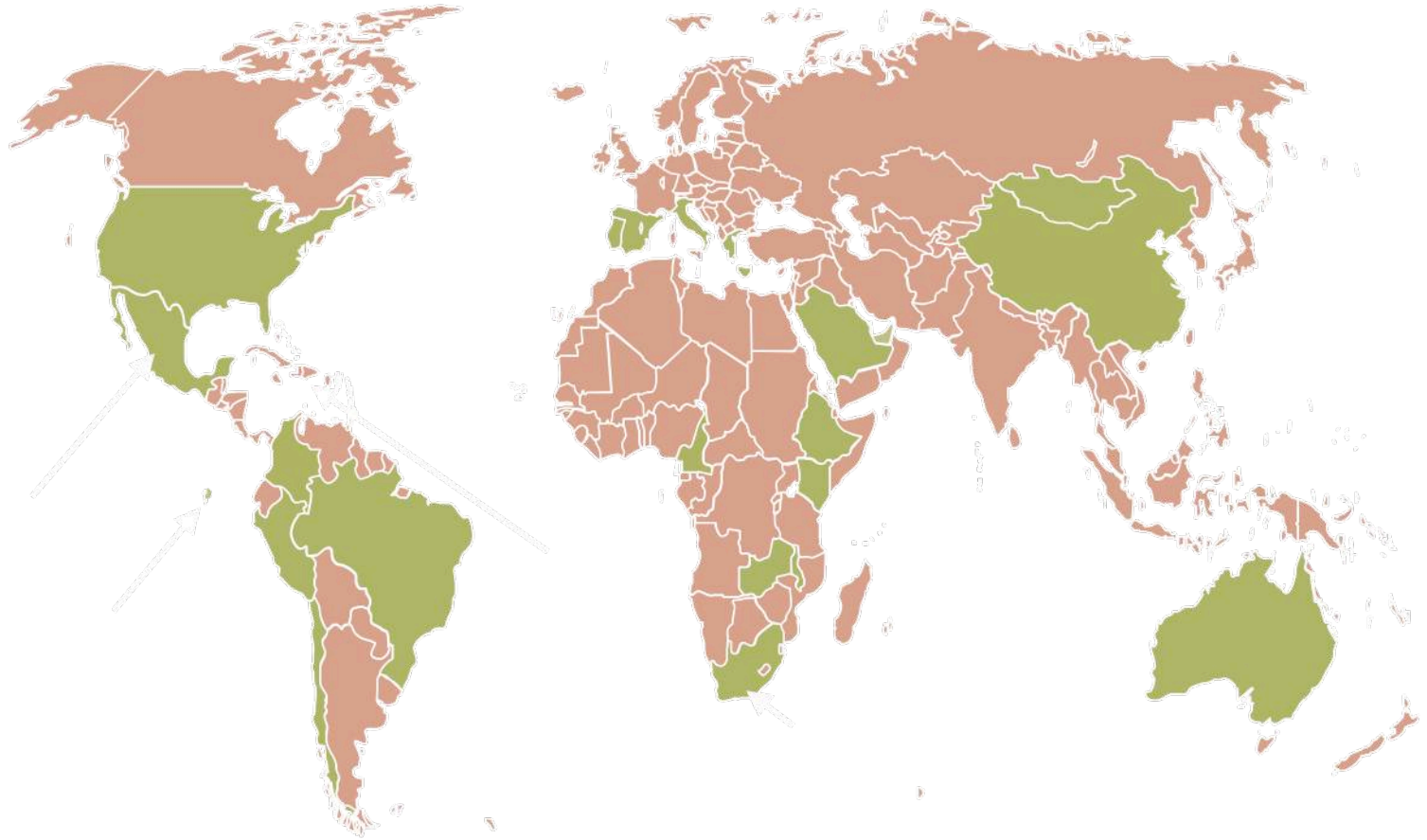
*Our vision is to restore
the world's
2 billion hectares
of degraded land*



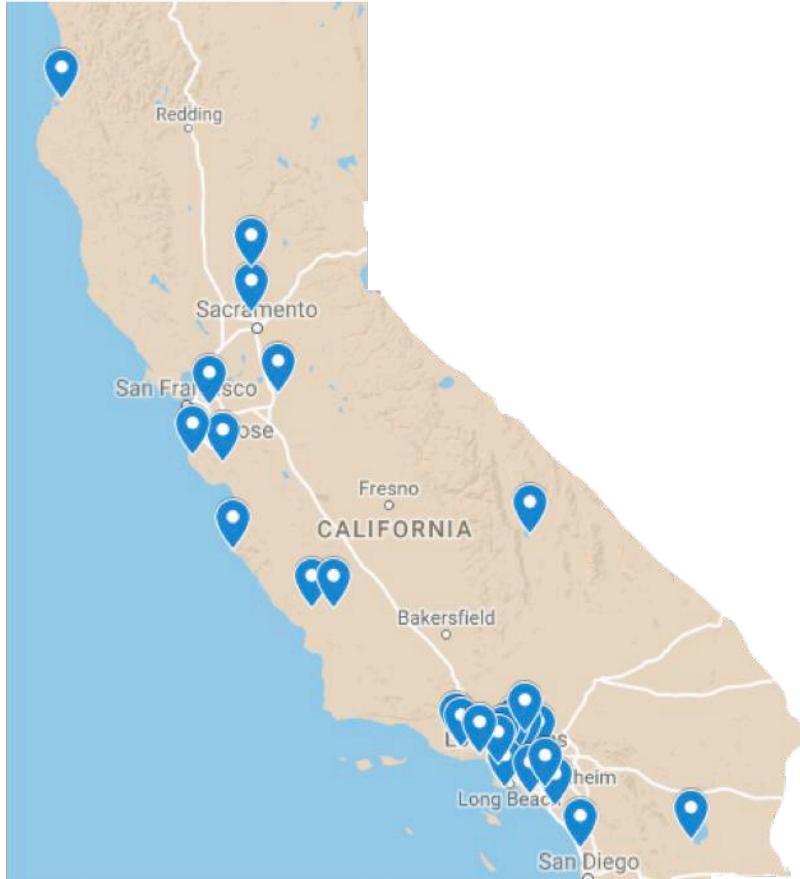








CALIFORNIA PROJECTS



- National Park Service
- US Forest Service
- TreePeople
- Sacramento Tree Foundation
- Clif Bar Foundation
- Metropolitan Water District
- Watershed Conservation Authority
- Irvine Ranch Conservancy
- Los Angeles Department of Water & Power
- Los Angeles County Department of Public Works
- Los Angeles Conservation Corps
- California Department of Water Resources
- Sacramento Area Flood Control Agency
- Point Blue Conservation Science
- Calfire
- Arbor Day Foundation
- Rancho Mission Viejo
- Amigos de los Rios
- NorthEast Trees
- Los Angeles Department of Recreation and Parks
- Caltrans
- US-LT RCD



COLLABORATORS	RURAL CONTEXT	URBAN CONTEXT
1. Landowner	<i>Ag producer</i>	<i>Local, state or fed gov't</i>
2. Project Manager/Lead	<i>RCD</i>	<i>Gov't agency, or nonprofit</i>
3. Funder(s)	<i>Grants, Mitigation funding</i>	<i>Operating budgets, grants</i>
4. Labor	<i>Staff, contractors, volunteers</i>	<i>Staff, contractors, volunteers</i>

ELYSIAN PARK LOS ANGELES, CA

Landowner: City of LA
PM: City Plants/LADWP
Funders: Arbor Day
Foundation, LADWP
Labor: LACC, volunteers
(community, Disney, Office
Depot)



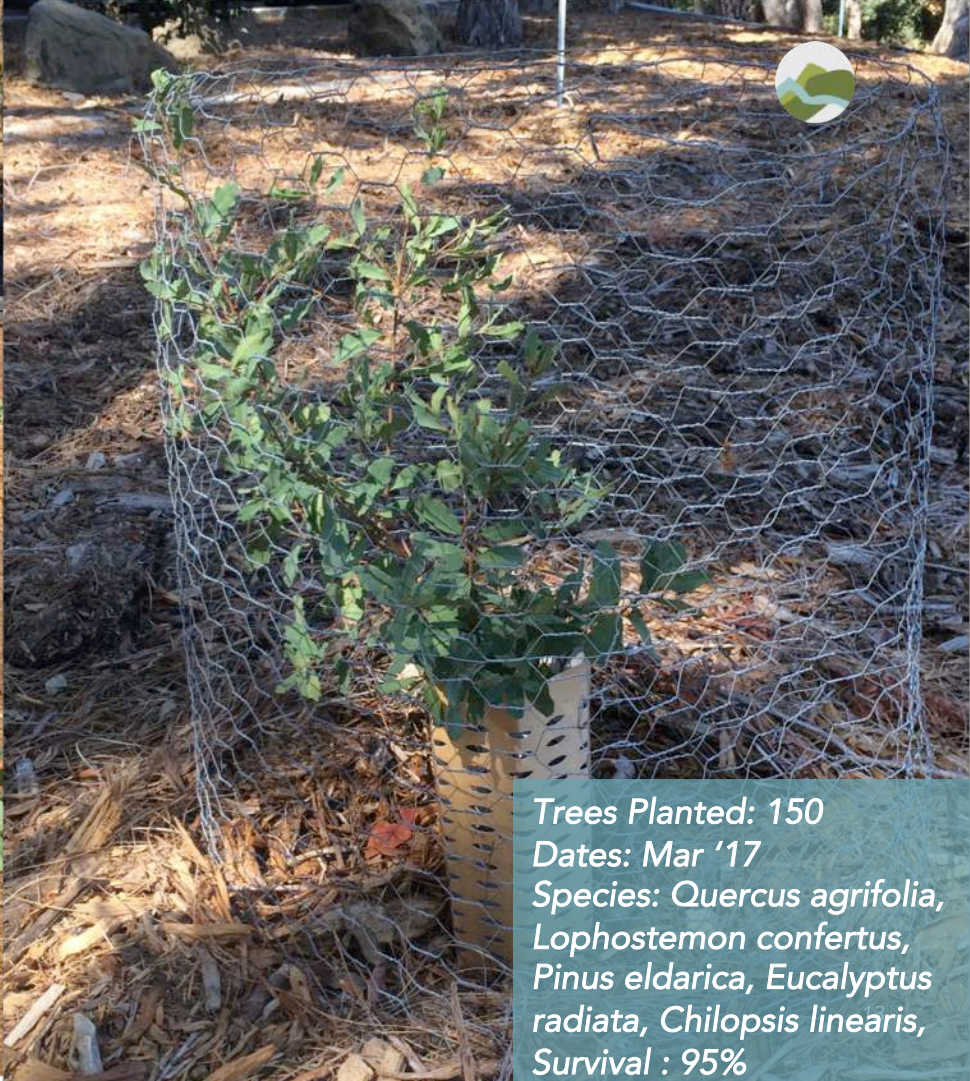
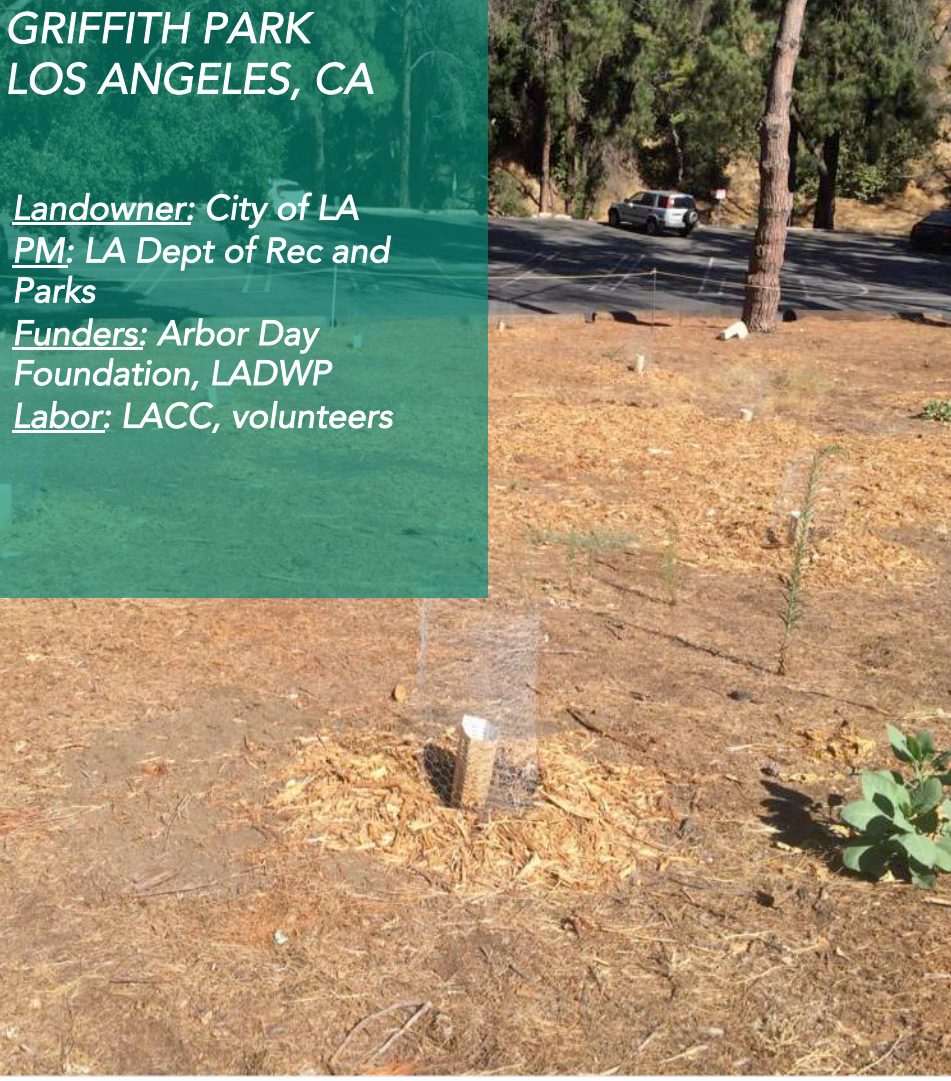
Trees Planted: 325
Dates: Oct '16 – Mar '17
Species: *Quercus agrifolia*,
Lophostemon confertus, *Pinus*
eldarica, *Eucalyptus radiata*,
Chilopsis linearis, *Pistacia chinensis*
Survival : 85%

GRIFFITH PARK LOS ANGELES, CA

Landowner: City of LA
PM: LA Dept of Rec and
Parks

Funders: Arbor Day
Foundation, LADWP

Labor: LACC, volunteers



Trees Planted: 150
Dates: Mar '17
Species: *Quercus agrifolia*,
Lophostemon confertus,
Pinus eldarica, *Eucalyptus*
radiata, *Chilopsis linearis*,
Survival : 95%

NATOMIS LEVEE IMPROVEMENT PROJECT SACRAMENTO, CA

Landowner: State of CA
PM: Sacramento Area Flood
Control Agency
Funders: SAFCA
Labor: California
Conservation Corps



Trees Planted: 250
Dates: Sept '16
Survival : 80%

RANCHO SIERRA VISTA THOUSAND OAKS, CA

Landowner: National Park
Service

PM: Mountains Restoration
Trust

Funders: Santa Monica
Mountains Fund

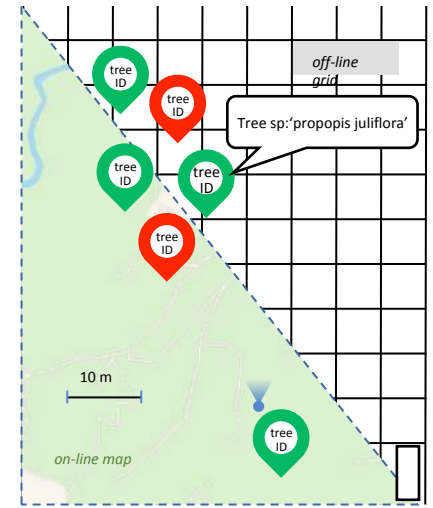
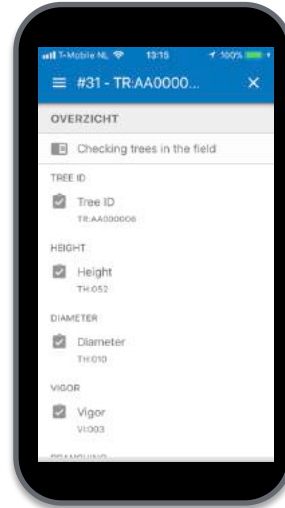
Labor: Americorps



Trees Planted: 360
Dates: Nov '16
Species: *Quercus agrifolia*,
Quercus lobata, *Platanus
racemosa*
Survival : 65%

DATA GATHERING/REPORTING

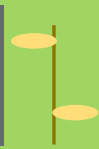
- *Off-line, QR-based rapid assessment of tree and cocoon performance in field, synchronizing with database*
- *Logging tree species, tree size, vigor, planting season*
- *GPS-lock per individual tree, for soil conditions (water retention, fertility, salinity) and slope orientation*



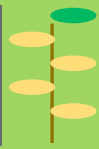
Vigor



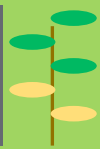
dead



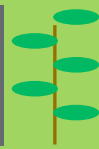
< 25% green leaves



~ 50% green leaves



> 75% green leaves



- One option only
- **Required**

Branching



1 single main stem



2 main stems



3 main stems



> 3 main stems



- One option only
- Facultative

Animal damage to tree



none



slight



medium



severe

- One option only
- Facultative

Shelter



intact



slightly curcled



heavily curcled



gone

- One option only
- Facultative

Cocoon integrity



in



lid



holes in



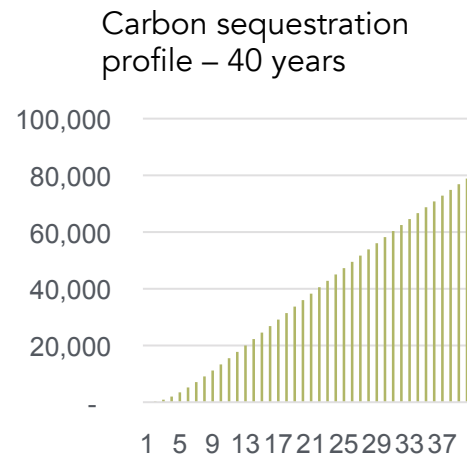
(start)

- Multiple options
- Facultative



NEW PARTNERSHIP MODEL: DRYLANDS CARBON CAPTURE

- Species
 - *Prosopis glandulosa* (50%)
 - *Parkinsonia aculeata* (25%)
 - *Olneya tesota* (25%)
- Partners:
 - US F&W - land
 - Arbor Day Foundation – support
 - Corporations – revenue





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