

Is it Time for a Biochar Trade Association?

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Biochar 2016

Oregon State University, Corvallis, OR, August 22-25

- Who will speak for the biochar industry?
 - To Government
 - Regulation
 - Incentives
 - To Consumers
 - Product characteristics
 - Product Use – application and safety
 - Promotion
- How will the biochar community communicate?
- What role will supporting non-governmental organizations play?
 - US Biochar Initiative
 - International Biochar Initiative
 - Local or regional organizations,
 - Alberta Biochar Initiative, Sonoma Biochar Initiative,

Trade Association

A **trade association**, also known as an **industry trade group**, **business association**, **sector association** or **industry body**, is an organization founded and funded by businesses that operate in a specific industry.

An industry trade association participates in public relations activities such as advertising, education, political donations, lobbying and publishing, but its focus is collaboration between companies.

Associations may offer other services, such as producing conferences, networking or charitable events or offering classes or educational materials.

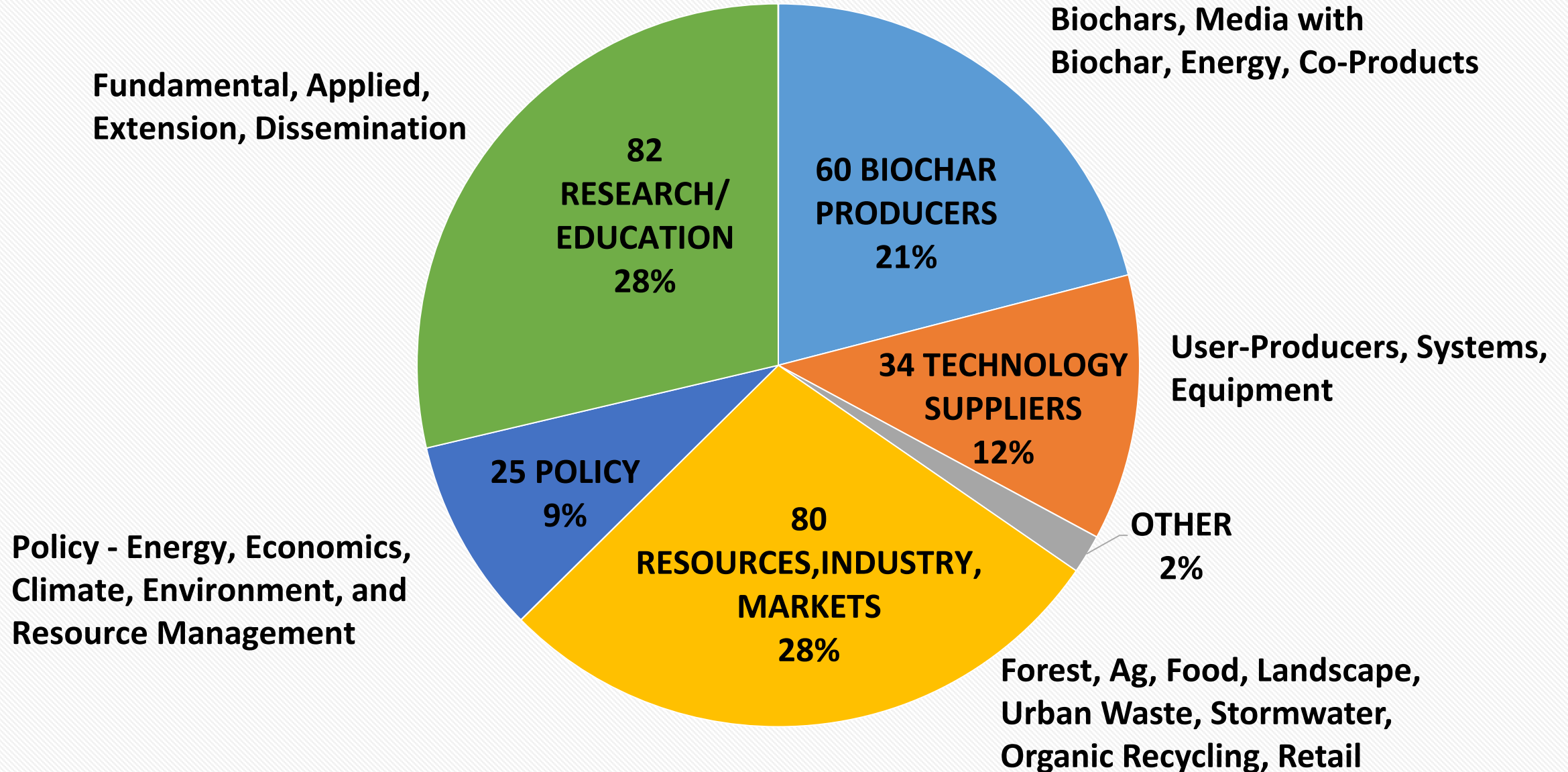
Many associations are non-profit organizations governed by bylaws and directed by officers who are also members.

Who are we?

- Biochar Producers (~100)
- Closely Associated Industries
 - Technology developers (~40)
 - Suppliers – feedstocks, packaging, advertising etc.
 - Consumers – agricultural, urban, government
 - Technical Experts
- Research and Development, Education and Dissemination
 - Public
 - Private research organizations
 - Consultants
 - Associations
- Policy
 - Government – local, state, national
 - Natural Resource, Environmental and Climate Management



Biochar 2016 Participants by Sector





Biochar Producers Attending

Sponsor*

Algae Aqua, MT	Clean Forest Energy, CO*	New England Biochar, MA	Terra Char, MO*
A Meliora, CA	Confluence Energy, CO*	Nextchar, LLC, MA*	Titan Carbon Smart Technologies, SK, Canada
Aqueous Solutions, NC	Cool Planet, CO	Olympic Biochar, WA	Umpqua Biochar Alternatives, OR
Biochar Farms, OR	Emergent Waste Solutions, BC	Pacific Biochar, HI*	Wakefield Agricultural Carbon, MO
Biochar Now, CO	Energy Anew, CA	Permamatrix, OR*	Wallowa Resources, OR
Biochar Options, WI	Finger Lakes Biochar, NY	Phoenix Energy, CA	Waste to Energy Inc, GA
Biochar Solutions, CO*	Forest Energy Group, OR	Rainforest Capital, MX	Western Excelsior Corporation, CO
Biochar Supreme, WA	Freer Organics, ID	Rexius Forest ByProducts, OR*	Wilson Biochar, OR*
Biological Solutions, OR*	Integrated Biomass Resources, OR	Seachar, WA/Costa Rica	Wind River Biomass LLC, WA
Biospecific LLC, WI*	Karr Group, WA*	Sierra Pacific Industries, CA	Zero Waste Vashon, WA
Blue Sky Biochar, CA	Miller Soils, LLC, ID*	Simon Landscape, WI	
Cascade Carbon LLC, CA	Natural Plant Solutions, WA	Smart Terra Care LLC, KS	
Charborn, CA			



Technology and System Suppliers Attending

Ag Energy Solutions, WA

Algae Aqua-Culture Technology, MT

Amaron Energy, LLC

BC Biochar, BC, Canada

BioEnergy Development, CA

Bioforcetech, CA

Biomass Controls, CT

Cascade Carbon, CA

Dr TLUD, IL*

Enginuity Worldwide LLC, MO

Exterra LLC, OH

ICM Inc ,KS*

Innovative Reduction Strategies, AB,
Canada

Sponsor*

Karr Group, WA*

LEI Products, KY

Living Soil Abundant Life, WA

New Carbon, South Africa

New England Biochar, MA

Norris Thermal Technologies/Biogreen, IN*

PHG Energy

R&R Technologies, CA

TSI Inc, WA

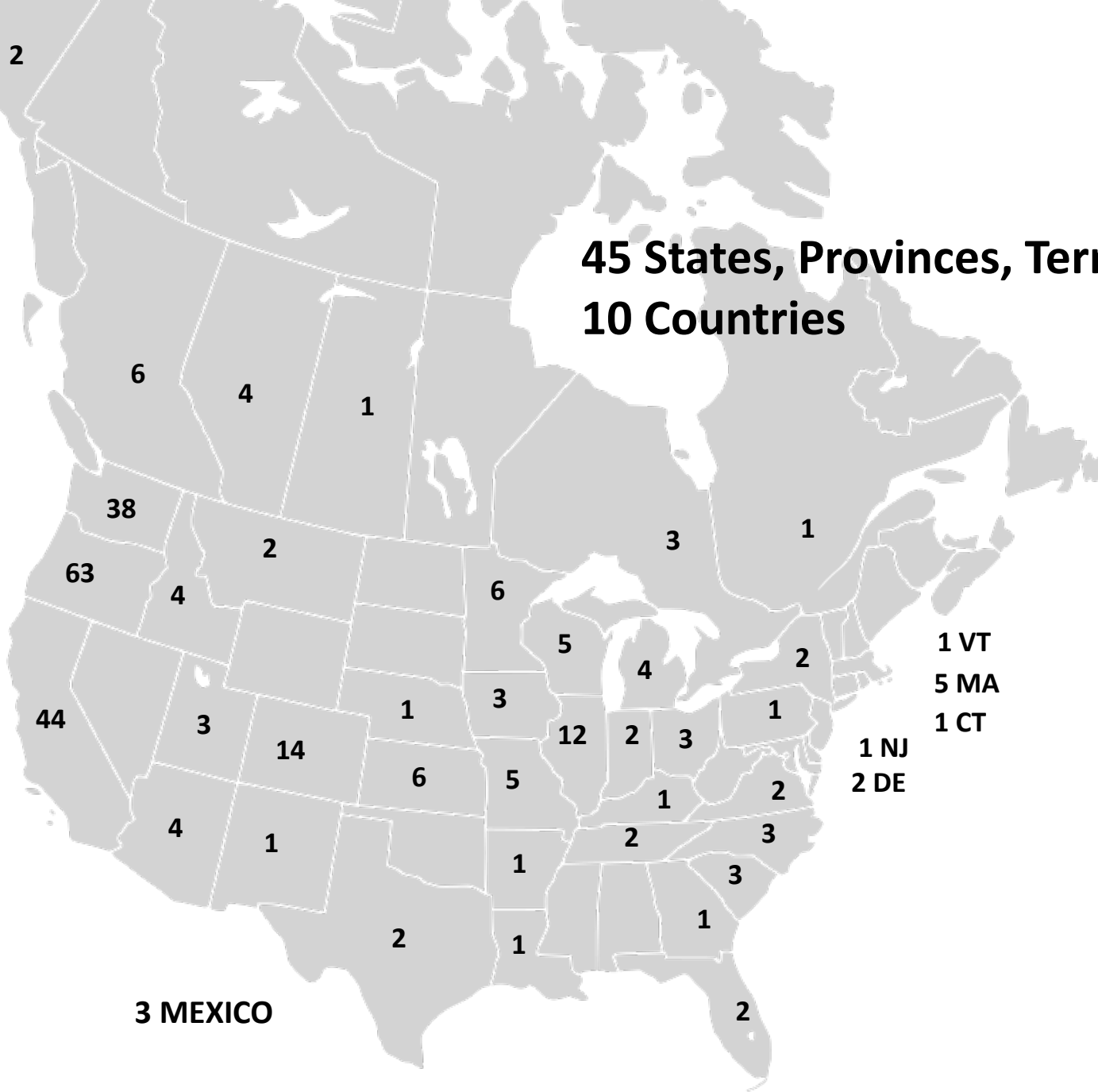
V-GRID, CA

Vorsana, OR

Wilson Biochar Associates, OR

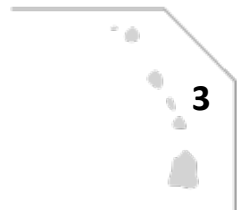


45 States, Provinces, Territories 10 Countries



1 SOUTH KOREA

1 GUAM,
Micronesia



2 AUSTRALIA

3 MEXICO

2 NORWAY

1 PAKISTAN

1 SAUDI ARABIA

1 SOUTH AFRICA

2 BRAZIL

Aug 18 2016



Research and Education Organizations Attending

Sponsor*

Alberta Innovates, AB, Canada

Aqueous Solutions, NC

Biochar Books, **Australia**

Carbon in the Soil, BC, Canada

Center for Carbon Removal, CA

Colorado School of Mines, CO

Colorado State University, CO

Gonzaga University, WA

Humboldt University, CA

Instituto Nacional de Investigaciones Forestales,
Mexico

Iowa State University, IA*

Ithaca Institute, NY

Kansas State University, KS

King Saud University, **Saudia Arabia**

Laurentian University, ON, Canada

Lincoln University, MO

Marquette University, WI

Michigan State University, MI

Montana State University, MT

New Mexico State University, NM

Oregon State University, OR*

Pacific Northwest National Laboratory, WA

Portland State University, OR

Rice University, TX

Schatz Energy Research Center, CA

Southern Illinois University, IL

The Biochar Journal, NY

The Urban Farmer, BC, Canada

Université Laval, QC, Canada

University of Alaska, AK

University of Arid Agriculture, **Pakistan**

University of California, Berkeley, CA

University of California, Merced, CA

University of California, Riverside, CA

University of Colorado, Boulder, CO

University of Dayton, OH

University of Delaware, DE

University of Georgia, GA

University of Hawaii Manoa, HI

University of Massachusetts, Amherst, MA

University of Massachusetts, Boston, MA

University of Minnesota, MN

University of Technology, Sydney, **Australia**

University of Toronto, ON, Canada

University of Ulsan, **South Korea**

University of Washington, WA

University of Wisconsin, WI

USDA Agricultural Research Service, ID, IL, LA, MN,
OR, SC,

USDA Natural Resources Conservation Service, OR

US Environmental Protection Agency, OR

Utah Agricultural Experiment Station, UT

Utah State University Extension, UT

Washington State University, WA



Policy – Energy, Economics, Climate, Environment and Resource Management

Sponsor*

Alberta Innovates, AB, **Canada***

Biotecnologia Mexicana Contra el Cambio Climatico,
Mexico

California Department of Agriculture, CA

City of Minneapolis, MN

International Biochar Initiative

Metro, Portland, OR

Nebraska Forest Service, NE

Oregon BEST, OR

Oregon Department of Forestry, OR*

Sonoma Biochar Initiative/Sonoma Ecology Center, CA

South Fork John Day Watershed Council, OR

South Umpqua Rural Community Partnership, OR

Sustainable Northwest, OR

US Biochar Initiative

US Environmental Protection Agency

USDA Forest Service, AK, CA, OR

USFS Umatilla National Forest, OR

Washington Department of Commerce, WA

Washington Department of Ecology, WA

Washington Department of Natural Resources, WA

Westbrook Associates, WA

What are Key Issues?

- Political Influence
 - Regulation and incentives for use in soil, feed, fiber, fuel, environmental remediation and restoration
 - Product safety
 - Responses to challenges in market (e.g.
- Publishing
 - Consumer education (e.g. US Composting Council)
- Generic Advertising
 - Strategic Markets
- Product Rating System or Quality Guidelines?
 - Suitability for Purpose – Ag, Retail Garden, Stormwater, Remediation

Funding and Sources

- Budgets - \$60,000-\$300,000
- Sources of Funds
 - Membership fees
 - Basis, Size, flat rate, production or sales
 - Public –
 - Capacity building funds – short term

Thank You!

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personal scale power

Silver Sponsors



TERRA CHAR

Bronze Sponsors



Pacific Biochar



The planning Biochar 2016 planning committee would like to express their sincerest thanks for the support of our sponsors!