

Hemp Beginnings – Green Building Speaker Series

Rachel Berry – Illinois Hemp Growers Association

Wayne Richman – California Hemp Association

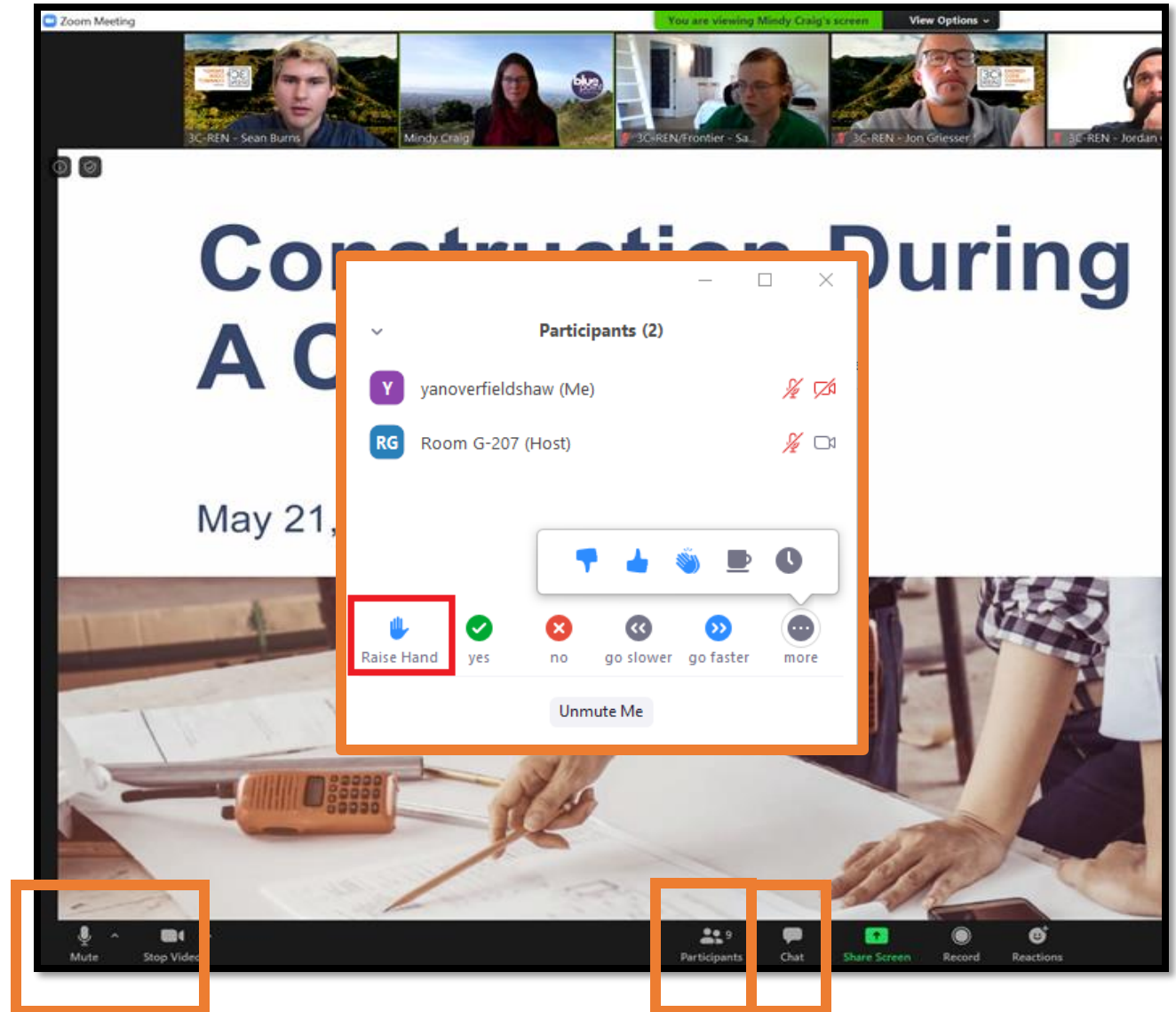
Amanda Martin – Renewal Revolution

February 8, 2024



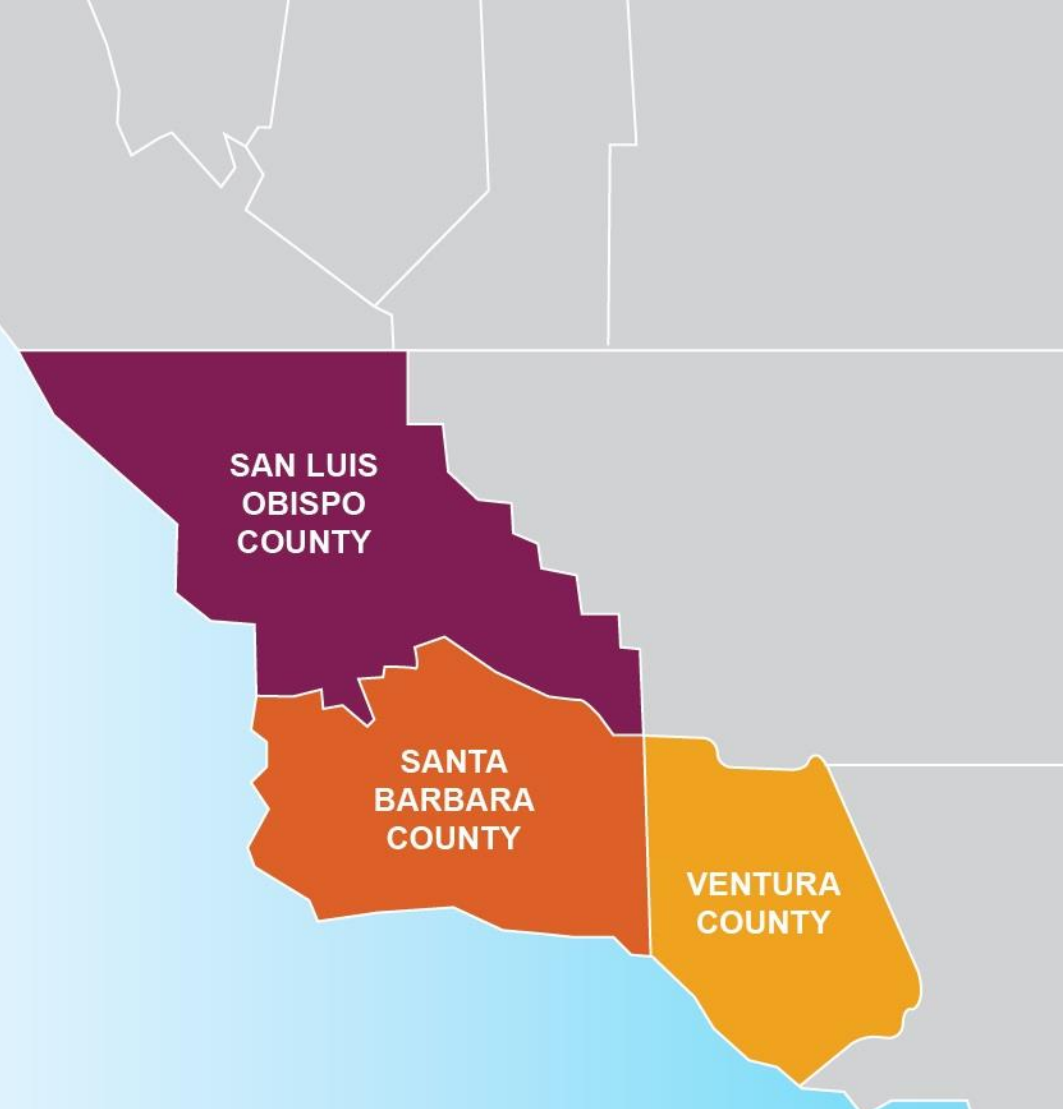
Zoom Orientation

- Please be sure your full name is displayed
- Please **mute** upon joining
- Use "**Chat**" box to share questions or comments
- Under "**Participant**" select "**Raise Hand**" to share a question or comment verbally
- The session may be **recorded** and posted to 3C-REN's on-demand page. Feel free to ask questions via the chat and keep video off if you want to remain anonymous in the recording.



3C-REN: Tri-County Regional Energy Network

- Three counties working together to improve energy efficiency in the region
- Services for –
 - **Building Professionals:** industry events, training, and energy code compliance support
 - **Households:** free and discounted home upgrades
- Funded by ratepayer dollars that 3C-REN returns to the region



3C-REN Programs

- **Energy Code Connect (ECC)**
 - Industry Trainings and Regional Forums
 - [Energy Code Coach](#): Title 24 Compliance Support Hotline (805) 781-1201
- **Building Performance Training (BPT)**
 - Industry Trainings & Certification for current and perspective building professionals
 - Helps workers thrive in an evolving industry
- **Home Energy Savings (HES)**
 - Flexible Home Energy Upgrades
 - Multifamily (5+ units) & Single Family (up to 4 units)

Resources

- Continuing Education Units Available
 - Contact ian.logan@ventura.org for AIA & ICC LUs
- Coming to Your Inbox Soon!
 - Slides & Survey – Please Take It and Help Us Out!
- Upcoming Courses
 - [3/28 Multi-Family Domestic Hot Water](#)
 - [4/2 Introduction to Passive House Standard](#)
 - [4/9 Blower Door Basics and Beyond](#)
 - [4/16 Overcoming Installation Challenges with Heat Pumps](#)
 - [4/18-7/11 Certified Passive House Designer/Consultant Hybrid Cohort](#)
 - [4/23 Building With Hemp – Green Building Speaker Series](#)
- For more information about upcoming events please visit: <https://www.3c-ren.org/events>



Thank you!

For more info:
3c-ren.org

For questions:
info@3c-ren.org



TRI-COUNTY REGIONAL ENERGY NETWORK
SAN LUIS OBISPO • SANTA BARBARA • VENTURA

HEMP BEGINNINGS: GREEN BUILDING SPEAKER SERIES

Industrial Hemp:

THE BASICS

RACHEL BERRY, ILLINOIS HEMP GROWERS ASSOCIATION



About me

- HEMP FARMER, 2019-PRESENT
- ILLINOIS HEMP GROWERS ASSOCIATION, FOUNDER + PRESIDENT
- NATIONAL HEMP ASSOCIATION, SCOHO MEMBER
- PANXCHANGE, HEMP MARKET MANAGER (2023)
- U.S. HEMP BUILDING ASSOCIATION, BOARD OF DIRECTORS (2020-2022)





What is hemp?

“THE PLANT SPECIES CANNABIS SATIVA L. AND ANY PART OF THAT PLANT, INCLUDING THE SEEDS THEREOF AND ALL DERIVATIVES, EXTRACTS, CANNABINOIDS, ISOMERS, ACIDS, SALTS, AND SALTS OF ISOMERS, WHETHER GROWING OR NOT, WITH A TOTAL DELTA-9 TETRAHYDROCANNABINOL CONCENTRATION OF NOT MORE THAN 0.3 PERCENT ON A DRY WEIGHT BASIS.”



Why hemp?



ENVIRONMENTAL
IMPACT AND
SUSTAINABILITY



ECONOMIC AND
AGRICULTURAL
INNOVATION



SOCIETAL NEEDS
AND
MANUFACTURING
EVOLUTION

Lake Decatur

WATER QUALITY INITIATIVE

★ **USDA** ★
RCPP GRANT

Industrial Hemp
Pilot Project

Collaboration with NRCS and
over 50 partners to help
producers and landowners
adopt Climate-Smart practices

We are pioneering
the use of industrial
hemp to significantly
reduce sediment by
up to 50% & nitrates
by 20% each year

Our aim is to improve water quality in the
Mississippi River Basin Critical Conservation Area,
including the 926 sq. mile Lake Decatur watershed

STRATEGIC PLANTINGS IN TARGETED
SUB WATERSHEDS & LAND PARCELS



DEVELOPMENT OF INNOVATIVE
CONSERVATION APPROACHES



OUTREACH, EDUCATION
& DEMONSTRATION



Illinoishga.com/hemppilot

Modern uses:

- ANIMAL BEDDING
- PAPER
- BIO-COMPOSITES
- TEXTILES
- BUILDING MATERIALS
- FUTURE TECH
- SUSTAINABLE AG PRACTICES



Hemp's Life Cycle



GERMINATION + EMERGENCE



VEGETATIVE STAGE



TECHNICAL MATURITY

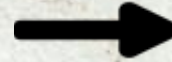


Hemp's Life Cycle (continued)

HARVEST



DECORTICATION



BAST



HURD/
SHIV

Field Notes

- MY JOURNEY
- LESSONS LEARNED





Fostering Growth

- COMMUNITY BUILDING
- LEGISLATION
- RESEARCH + DEVELOPMENT



Questions?



CONTACT:
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Farm & Community Development

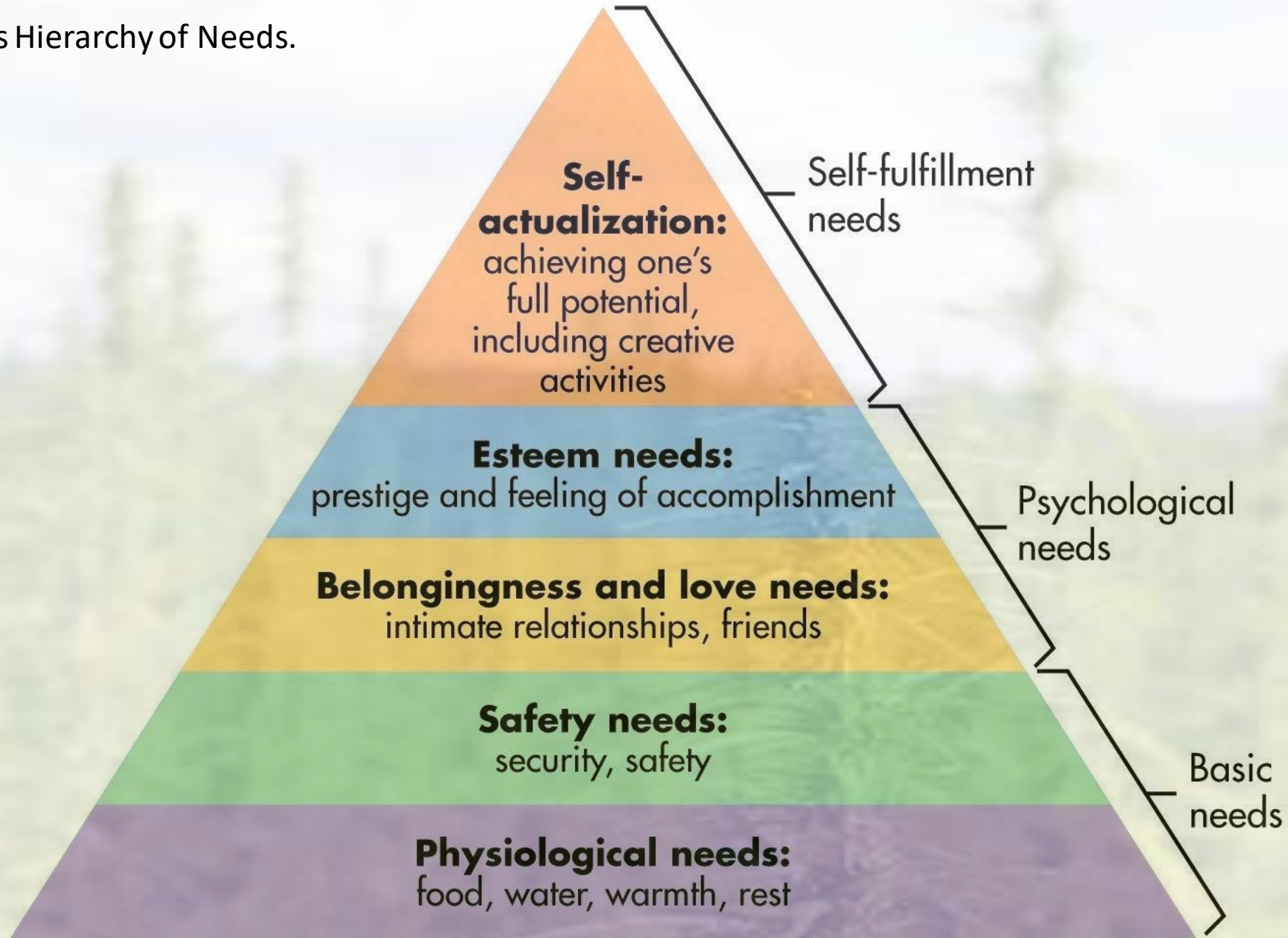


Amanda Martin-Behrendtsen





Maslow's Hierarchy of Needs.



Safety needs

personal security, employment, resources, health, property

Physiological needs

air, water, food, shelter, sleep, clothing, reproduction



Self-actualization

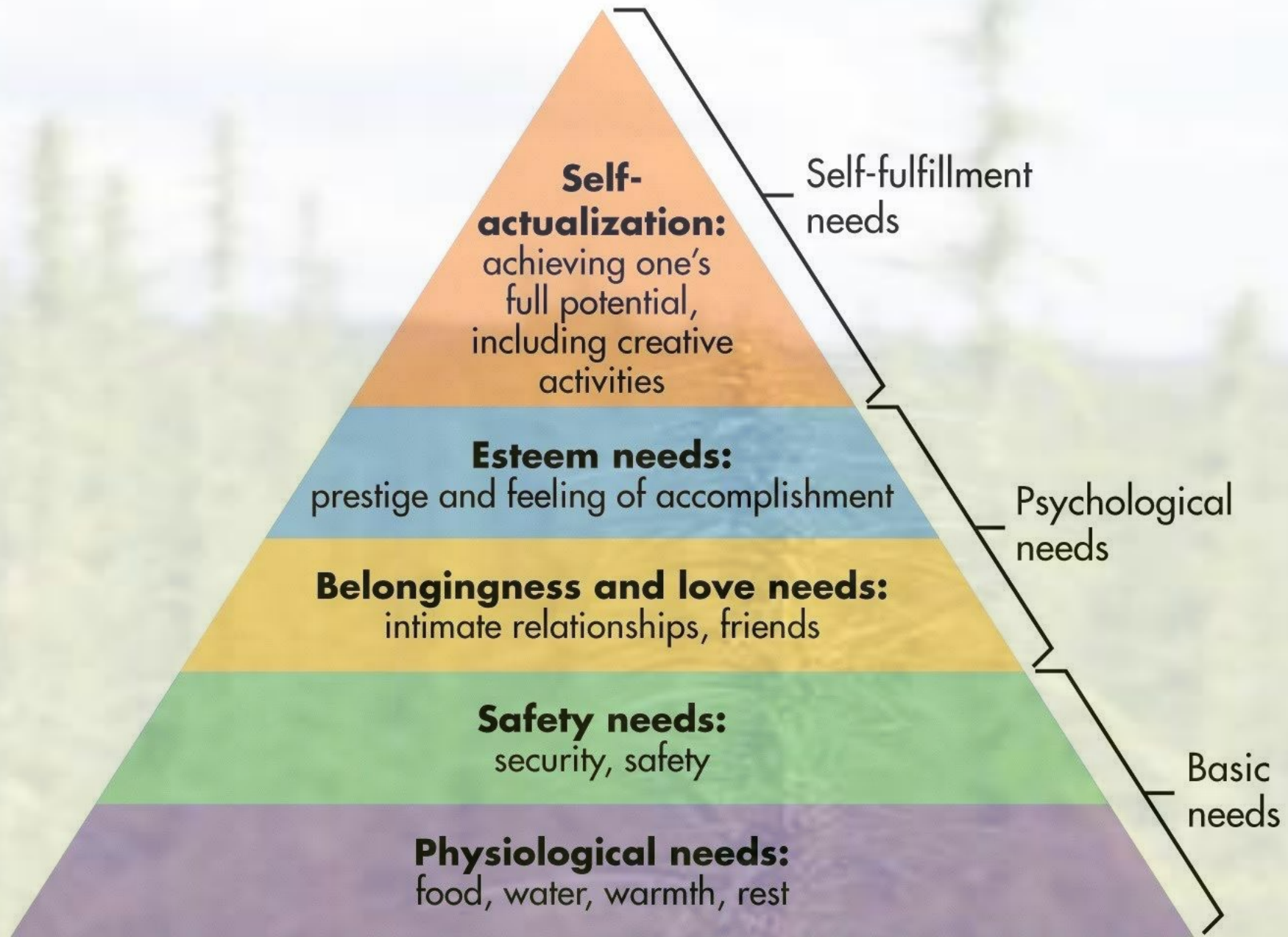
desire to become the most that one can be

Esteem

respect, self-esteem, status, recognition, strength, freedom

Love and belonging

friendship, intimacy, family, sense of connection



What we Need is Community Based Development.

Shared Value Perspective:

- The sweet spot.
- Stimulate all the stakeholders.
- Who are the stakeholders?

The difference between Relief, Rehabilitation, and Development.

Relief- Urgent and Temporary Provision
(emergency aid)

Rehabilitation- Restore to a pre-crisis state

Development- Empowerment

Needs Based Vs. Asset Based Development

Needs Based- Focuses on Community Deficits.
Solutions come from the outside.

Asset Based- Focuses on the Community
Assets, Skills, and Resources Available.
Solutions come from within!



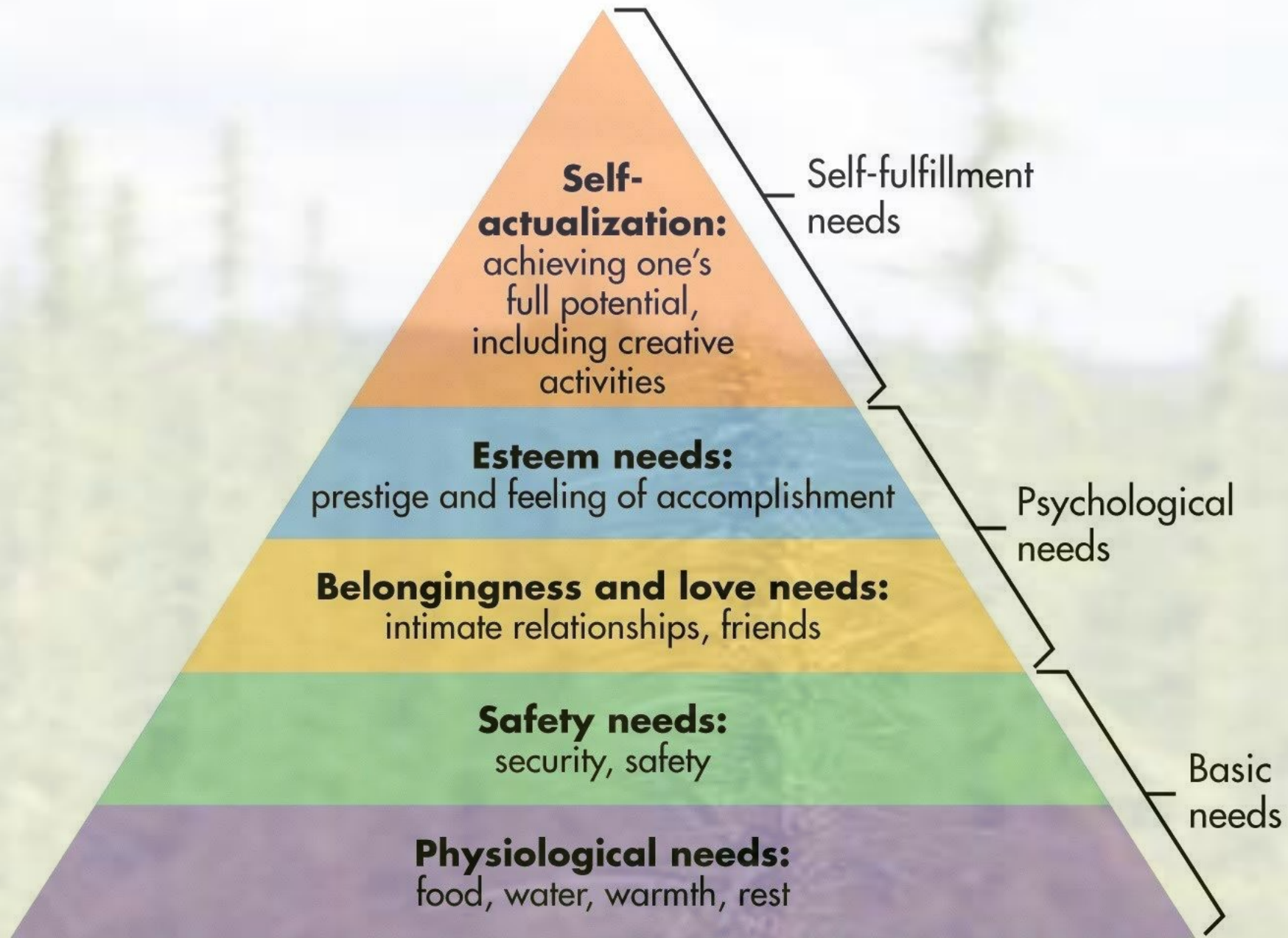


Supply Chain:

- Farmers
- Ranchers
- Textiles
- Fuel and Plastics

Healthy Homes & Community Structures

- Mitigates Disaster
- Lasts a long time with minimal to no wear and tear.
- Its geo-thermal
- Contributes to well balanced Micro-Climate



Who is with me?!

Contact Amanda: AmandaMartin@RenewalRevolution.com