

Improving Child and Family Outcomes: Systems change through the Early Childhood Personnel Center (ECPC)



**Early Intervention/Early Childhood Special Interest Group
(EIEC SIG)
Webinar Series
March 25, 2014**

Webinar Overview

- Introductions
- Presentation
- Q & A after presentation
 - You can ask a question by pressing the * then # key to request the floor. Questions will be answered in the order they are received.
 - You can also submit any questions throughout the webinar via the 'Chat' box below the slides.
 - The moderator will read the questions after the presentations.
- Survey
 - Please complete our short survey to give us feedback for the next webinar!

Meet our Presenters



Mary Beth Bruder, PhD, is a Professor of Pediatrics and Educational Psychology, at the University of Connecticut School of Medicine. For almost 40 years she has been involved in the design, provision and evaluation of early childhood services across local, state, national and international early intervention, special education, child care and head start programs. During this time, she has also directed a number of state and federally funded pre-service, in-service, demonstration, and research projects, and she is the Editor of *Infants and Young Children*. Currently, she is Director of the University of Connecticut A.J. Pappanikou Center for Excellence in Developmental Disabilities Education, Research, and Service and the OSEP Early Childhood Personnel Center.



Jane Squires, PhD, is a Professor of Early Intervention/Special Education, Director of the Early Intervention Program at the University of Oregon, and Director of the University Center for Excellence in Developmental Disabilities and the Center on Human Development. She oversees projects in the areas of personnel training, developmental screening, implementation of screening systems, early identification of developmental delays, and the involvement of parents in the assessment process. She currently teaches courses in Special Education/Early Intervention at the University of Oregon and directs the University Center for Excellence in Developmental Disabilities in Eugene, Oregon.



George Sugai, PhD, is a Professor and Carole J. Neag Endowed Chair in the Neag School of Education at the University of Connecticut. His professional interests include effective classroom and behavior management practices, school-wide discipline, social skills instruction, and positive behavior supports. He has been a classroom teacher, program director, and camp counselor. Currently, he is co-director of the OSEP Early Childhood Personnel Center, co-director of the Center on Positive Behavioral Interventions and Supports and director of the UConn Center on Behavioral Education and Research.

Tiered Technical Assistance & Implementation: Big Ideas from 15 Years of PBIS

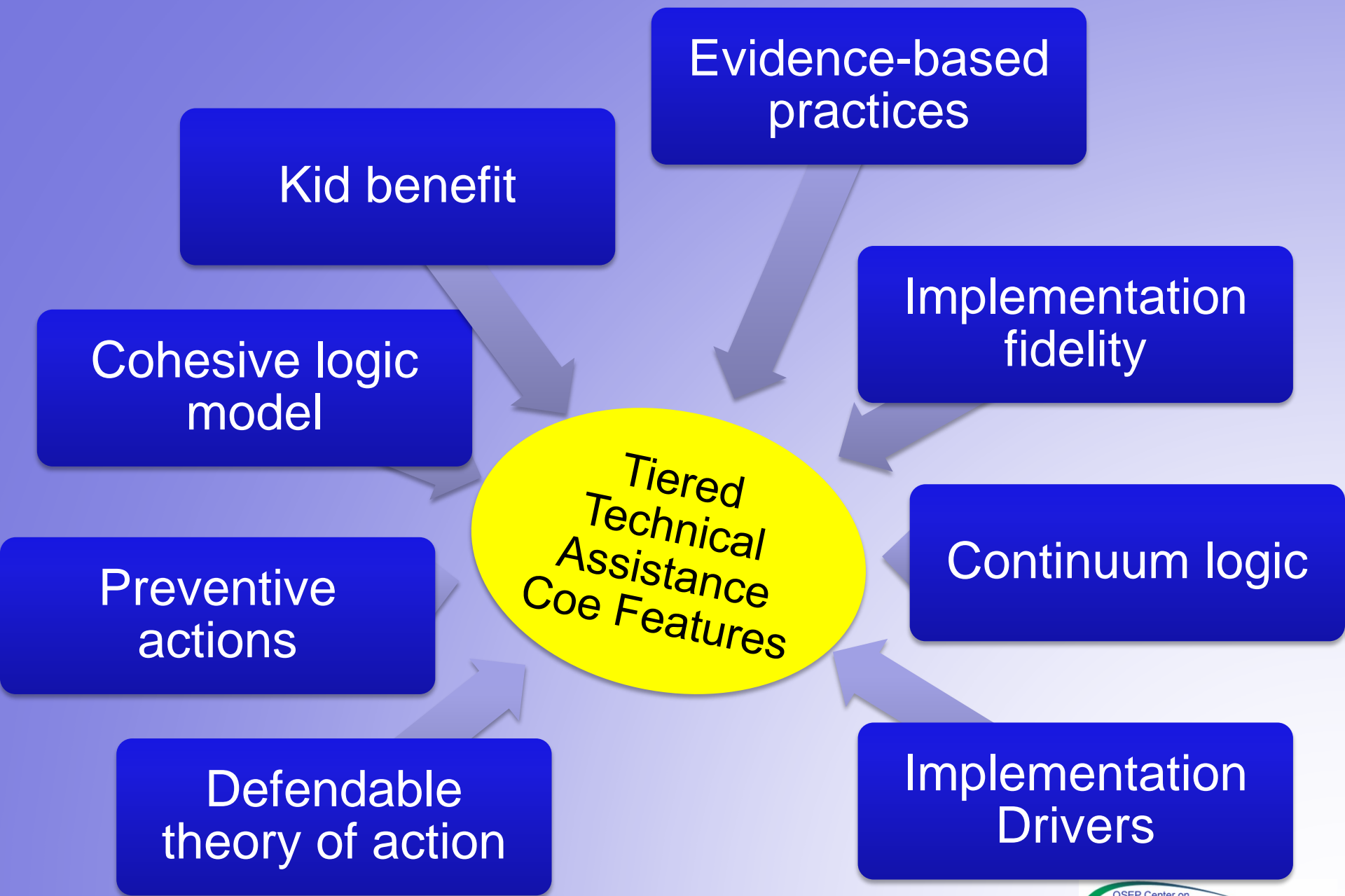
Learning From What Works

George Sugai

OSEP Early Childhood Personnel Center
OSEP Center on Positive Behavioral Interventions & Supports
University of Connecticut

30 Jan 2014

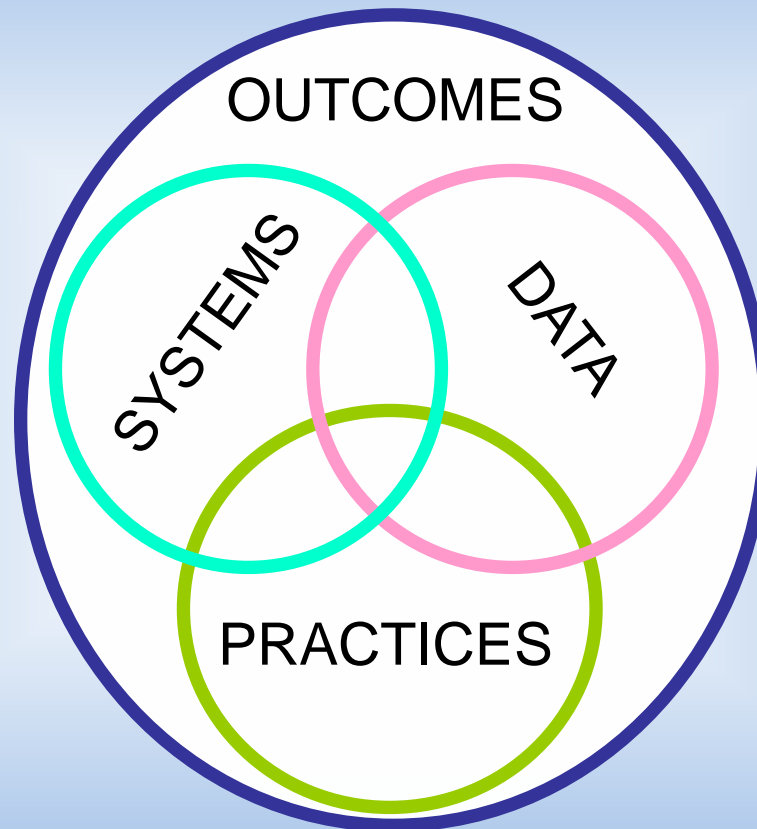
www.pbis.org www.ecpcta.org



Kid Benefit

Supporting Important **Culturally
Equitable** Academic & Social
Behavior Competence

Supporting
**Culturally
Knowledgeable**
Staff Behavior



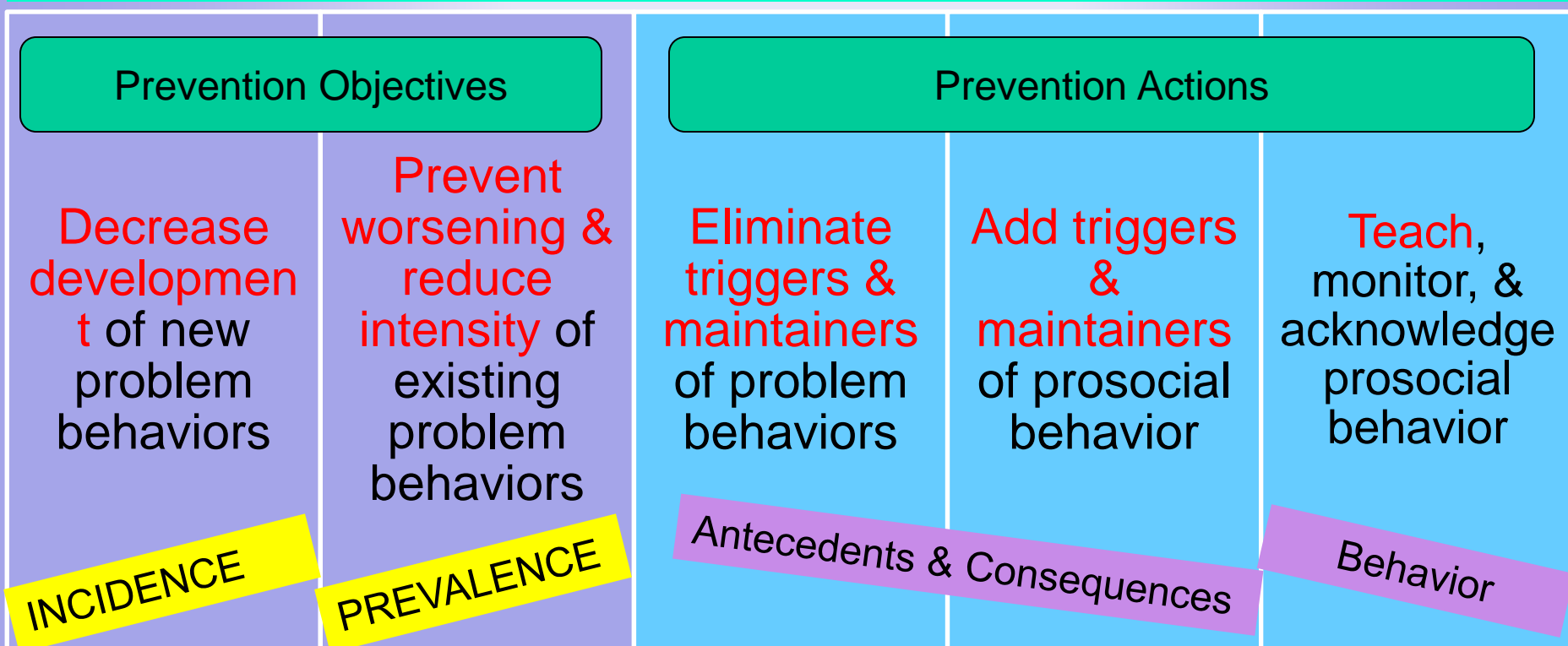
Supporting
Culturally Valid
Decision Making

Vincent, Randall,
Cartledge, Tobin, &
Swain-Bradway 2011;
Sugai, O'Keeffe, &
Fallon, 2012ab

Supporting **Culturally Relevant**
Evidence-based Interventions

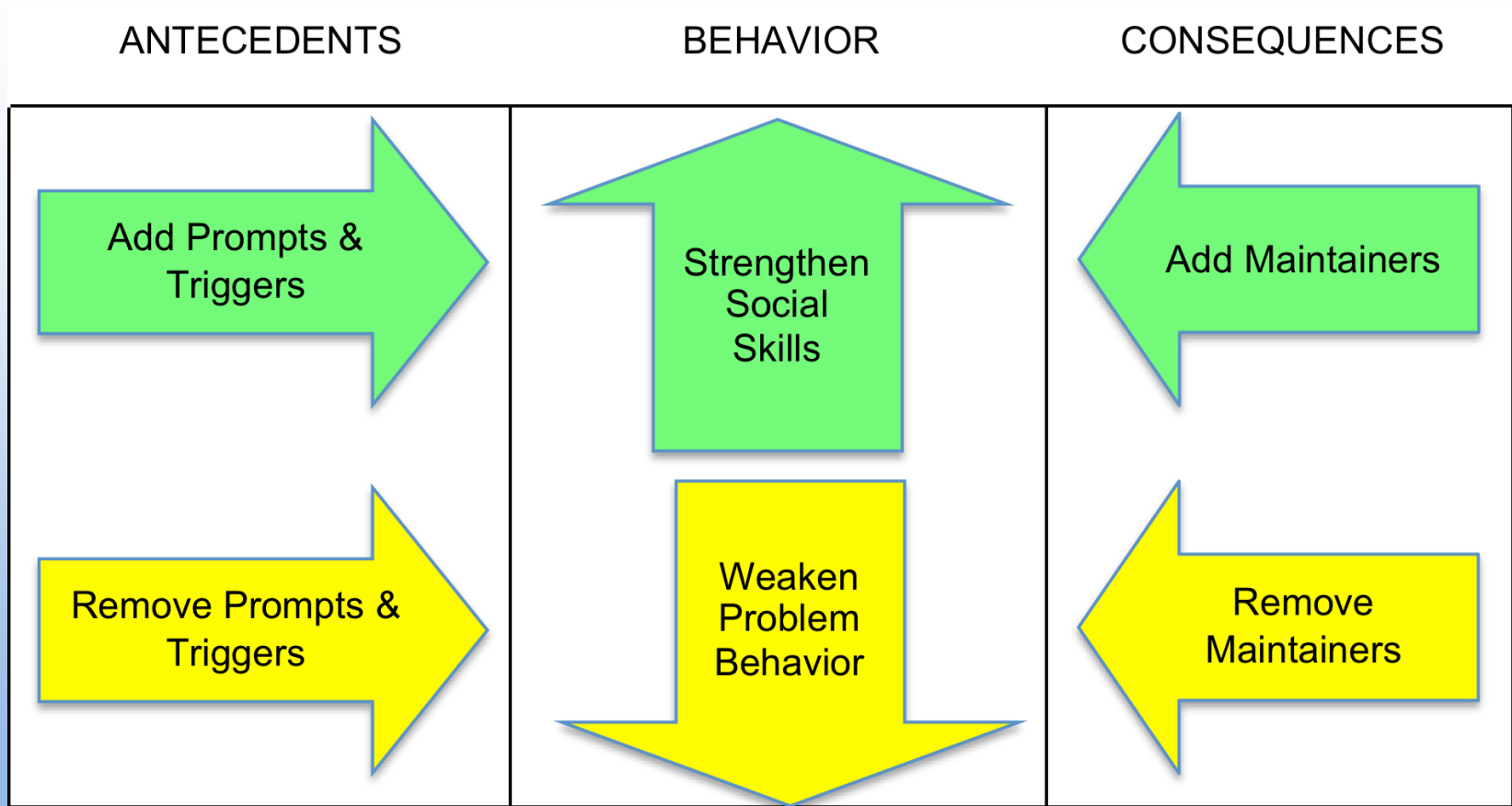
Prevention Logic for All

Redesign of teaching environments...not students



Biglan, 1995; Mayer, 1995; Walker et al., 1996

Prevention as explicit & precise actions



Implementation Fidelity		IMPLEMENTATION	
		Effective	Not Effective
PRACTICE	Effective	<i>Maximum Student Benefit</i>	Reduced Student Benefit
	Not Effective	No Student Benefit	No Student Benefit

Fixsen & Blase, 2009

Evidence-based Practices

EFFECTIVE

Works
Repeatable
Dependable

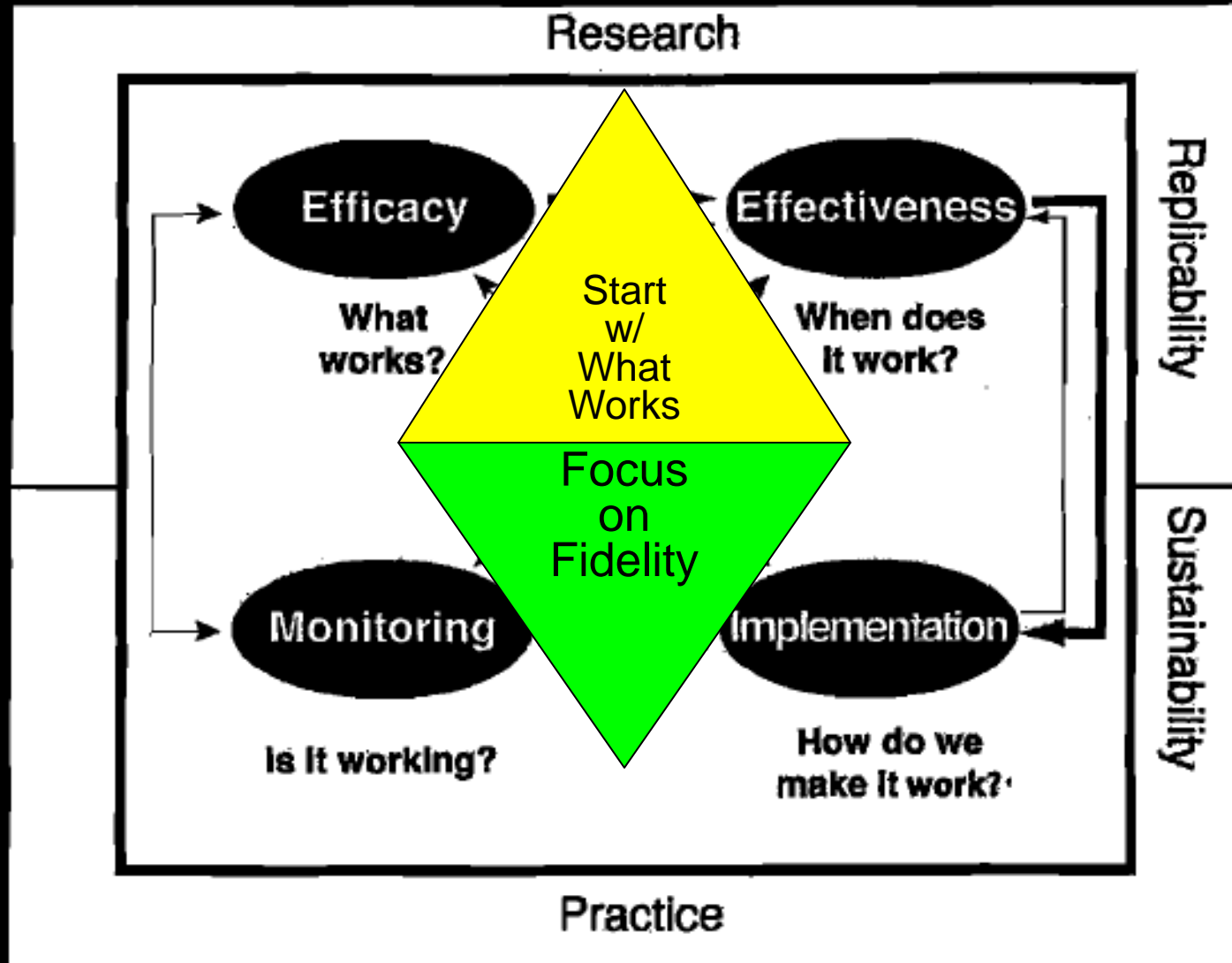
EFFICIENT

Doable
Manageable
Fit

RELEVANT

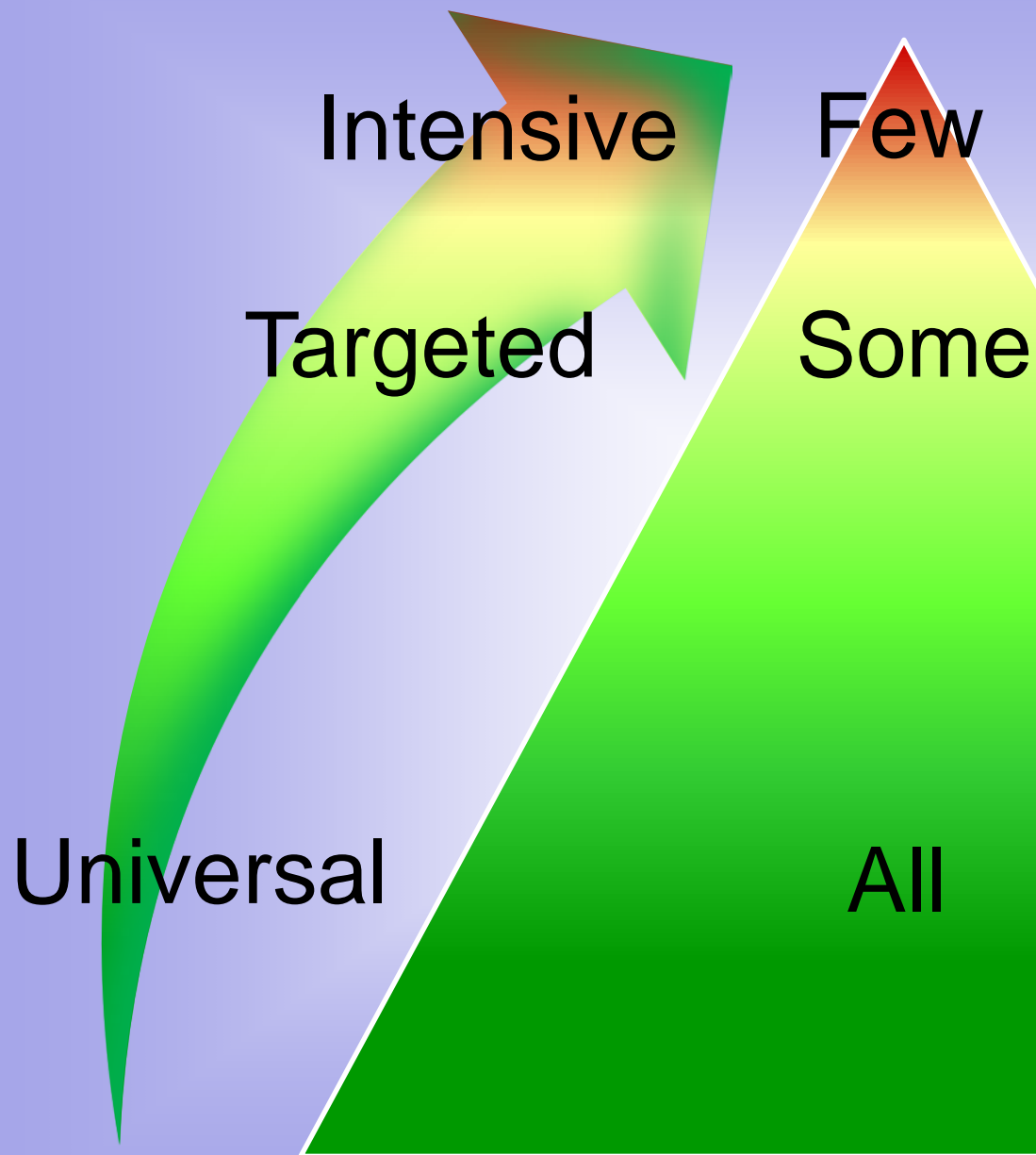
Context
Culture
Adaptable

Evidence-based Education Roadmap



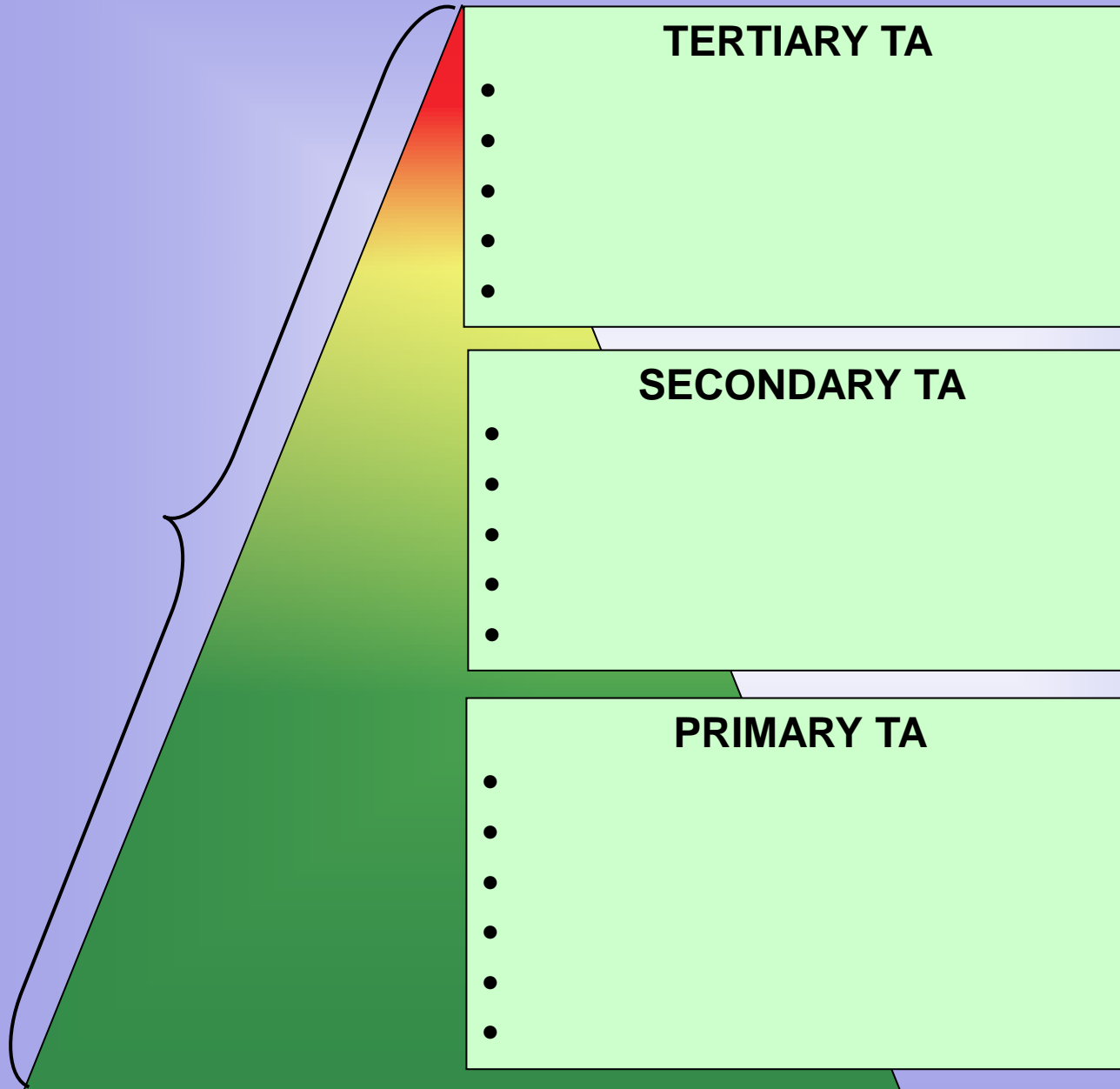
Detrich, Keyworth, & States (2007). *J. Evid.-based Prac. in Sch.*

Continuum of Support for All



Dec 7, 2007

Continuum Logic



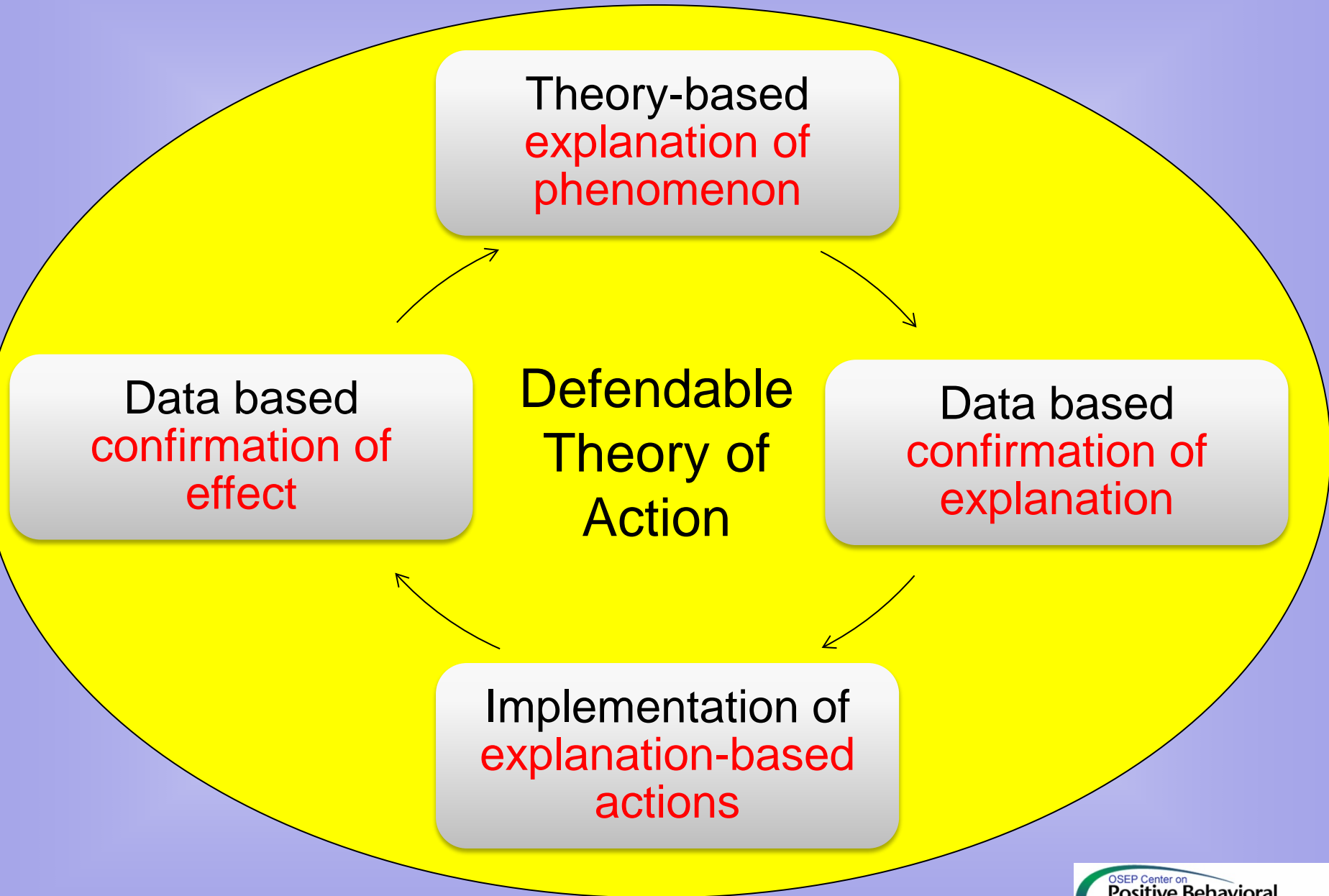
Theory of Action

“Roadmap” that (a) charts causal pathway between strategies needed to answer specific question & to achieve desired outcomes (i.e., “To address X, we must do Y.”) & (b) is based on set of underlying & supporting testable hypotheses (i.e., “addressing X with Y will produce Z.”) (aka logic model).

PBIS Center Theory of Action

By providing multi-tiered technical assistance, Center will increase SEA & LEA capacity to adopt & implement multi-tiered system of behavior support w/in PBIS implementation framework & to select & implement w/ fidelity appropriate evidence-based behavior practices, which, in turn, will be associated w/increased probability of improved school climate & student academic & behavior outcomes.

Parsimonious + Comprehensive + Confirmable + Replicable



W/ defensible theory of action, we can...

*Specify & justify **outcome or behavior**.*

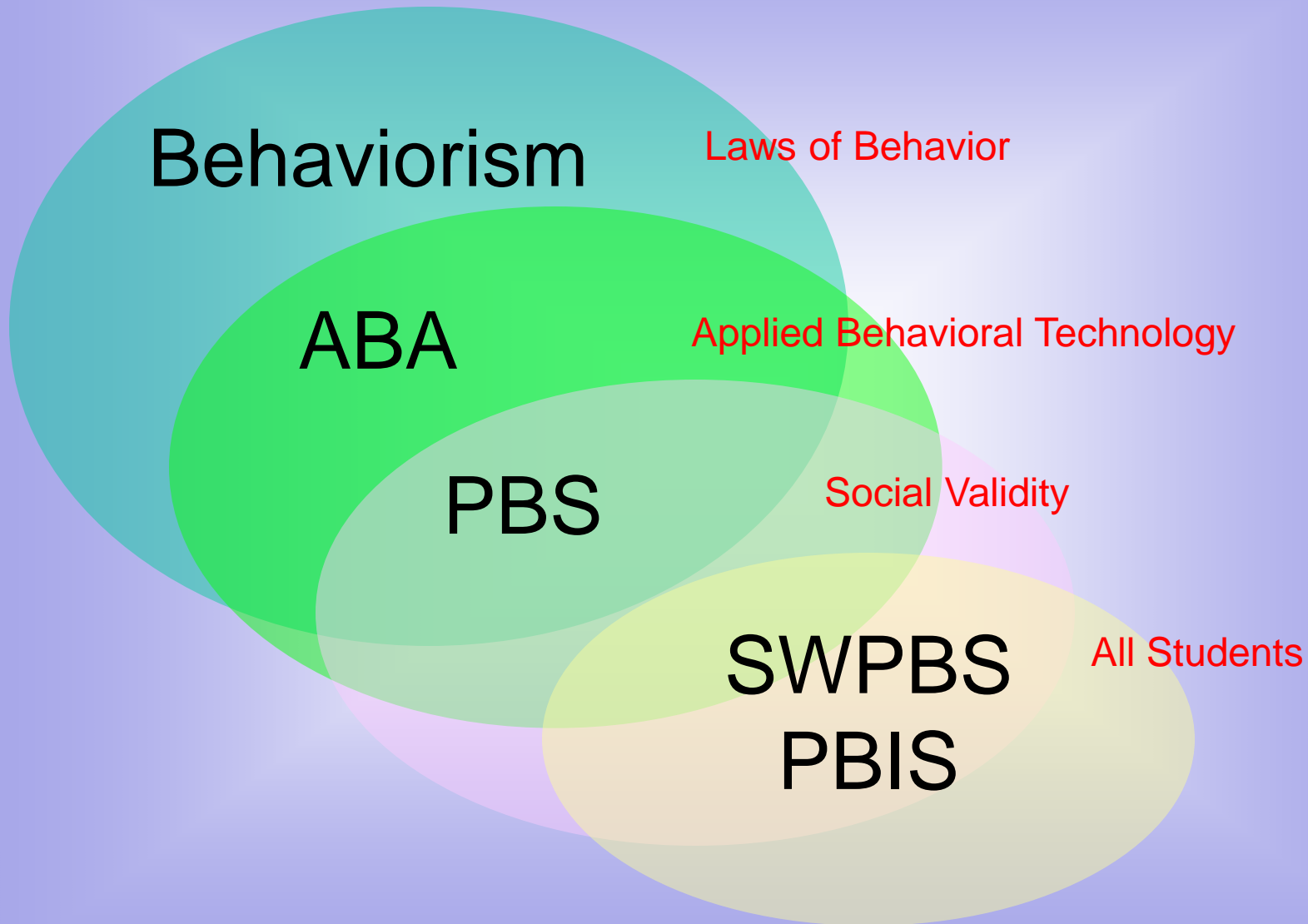
*Describe & understand **conditions** under which behavior occurs or outcome achievable.*

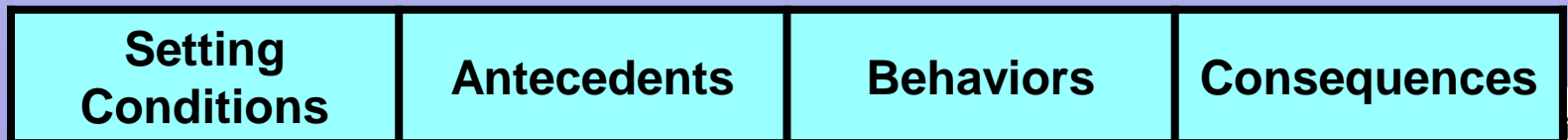
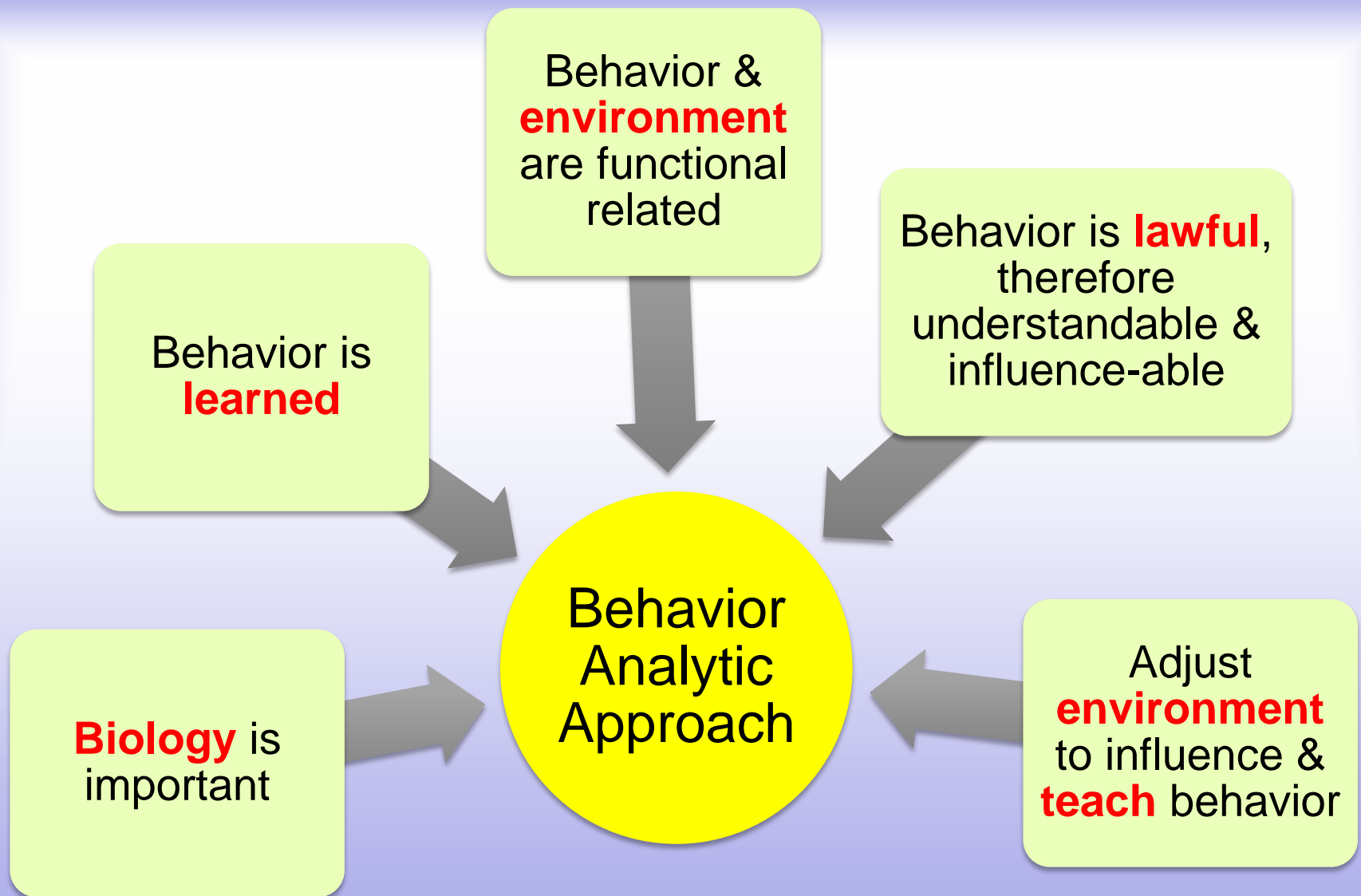
*Use that understanding to develop **strategy** to affect likelihood that behavior or outcome will occur.*

***Explain results** that are achieved & make adjustments if needed.*

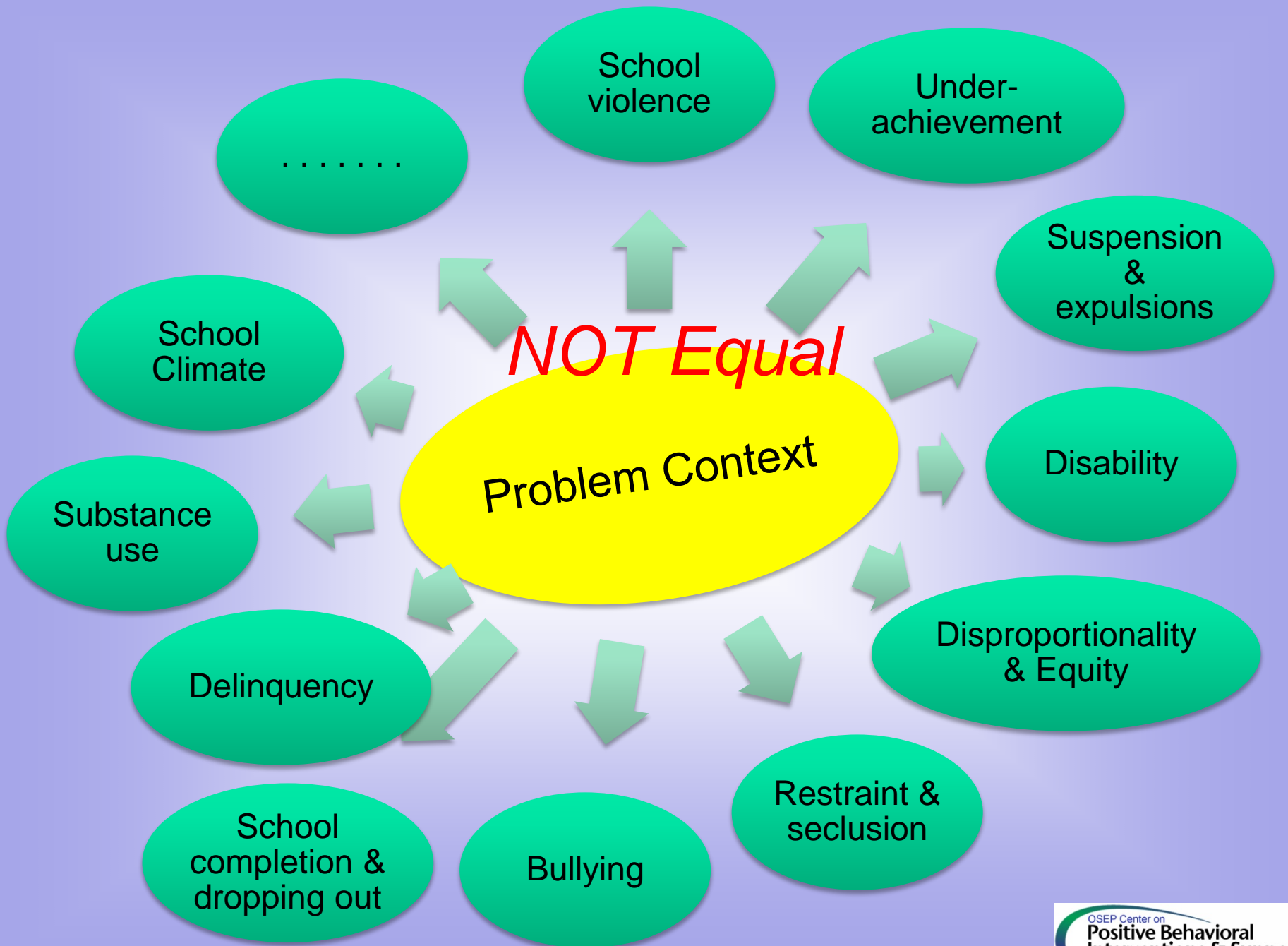


PBIS Conceptual Foundations









Antecedents	Behaviors	Consequences
STUDENT BEHAVIOR	ADULT BEHAVIOR	OUTCOMES
<ul style="list-style-type: none"> Aggression • Bullying behavior Non-compliance Insubordination Social w/drawal Truancy Law/norm violations • Substance use Weapon possession Harassment • Self-injury • 	<ul style="list-style-type: none"> Office referral In school detention • Out of school suspension Probation & parole Arrests & incarceration • Restraint & seclusion Mental health referral • 	<ul style="list-style-type: none"> • Disproportionality Dropping out School failure Mental illness • School-to-prison pipeline • Achievement gap Unemployment Delinquency •

ABA-based Theory of Action

	CONTEXT CONDITIONS	STUDENT BEHAVIOR	ADULT BEHAVIOR	STUDENT OUTCOME
RISK	<ul style="list-style-type: none"> Hunger Chronic illness Disability Race Gender Violence & trauma exposure Unemployment Gangs Substance use Mental illness 	<ul style="list-style-type: none"> Aggression Bullying behavior Non-compliance Insubordination Social w/drawal Truancy Law/norm violations Substance use Weapon possession Harassment Self injury 	<ul style="list-style-type: none"> Office referral In school detention Out of school suspension Probation & parole Arrests & incarceration Restraint & seclusion Mental health referral 	<ul style="list-style-type: none"> Disproportionality Dropping out School failure Mental illness School-to-prison pipeline Achievement gap Unemployment Delinquency


Setting Conditions	Setting Conditions	Antecedents	Adult Behaviors	Consequences
PREVENTIVE-PROTECTIVES	<ul style="list-style-type: none"> Employment Physical health Recreation Healthy diet Preschool Literacy exposure Safe neighborhoods Positive role models 	<ul style="list-style-type: none"> Problem solving Conflict & anger management Asking for assistance Communicating feelings Literacy Self-management skills Managing bullying behavior 	<ul style="list-style-type: none"> Teach, supervise, reinforce Active supervision Check in check out Function-based support Positive reinforcement Precorrection Opportunity to respond Generalization training Data-based decision making 	<ul style="list-style-type: none"> Postsecondary education Employment Family Recreation & leisure activities Physical & mental health Positive peer group Safe neighborhood

PBIS (aka SWPBS) is

Framework for enhancing
adoption & implementation of



Continuum of evidence-based
interventions to achieve



Academically & behaviorally
important outcomes for

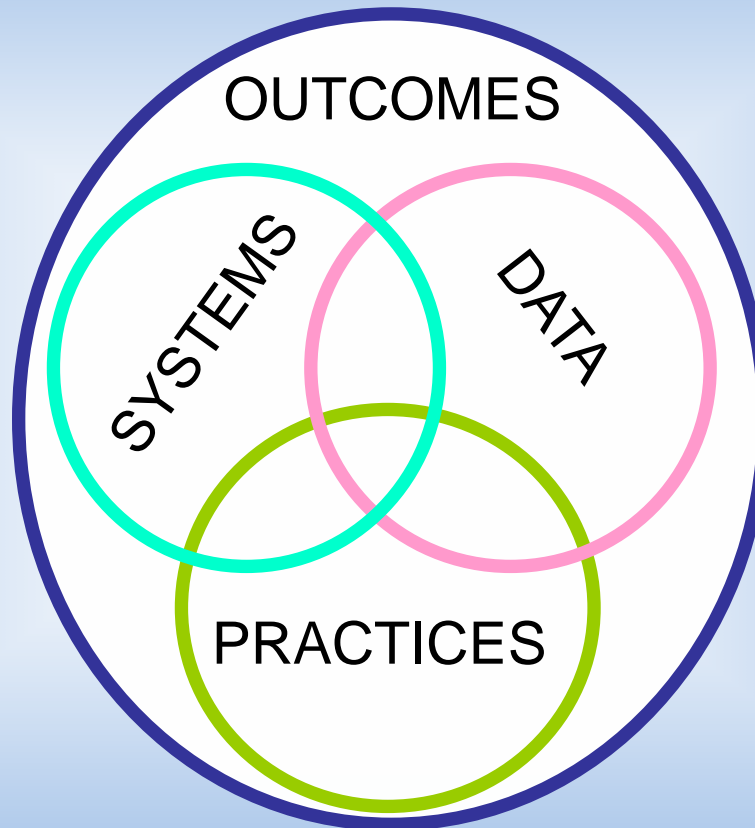


All students

Cultural
Context

Supporting Important **Culturally
Equitable** Academic & Social
Behavior Competence

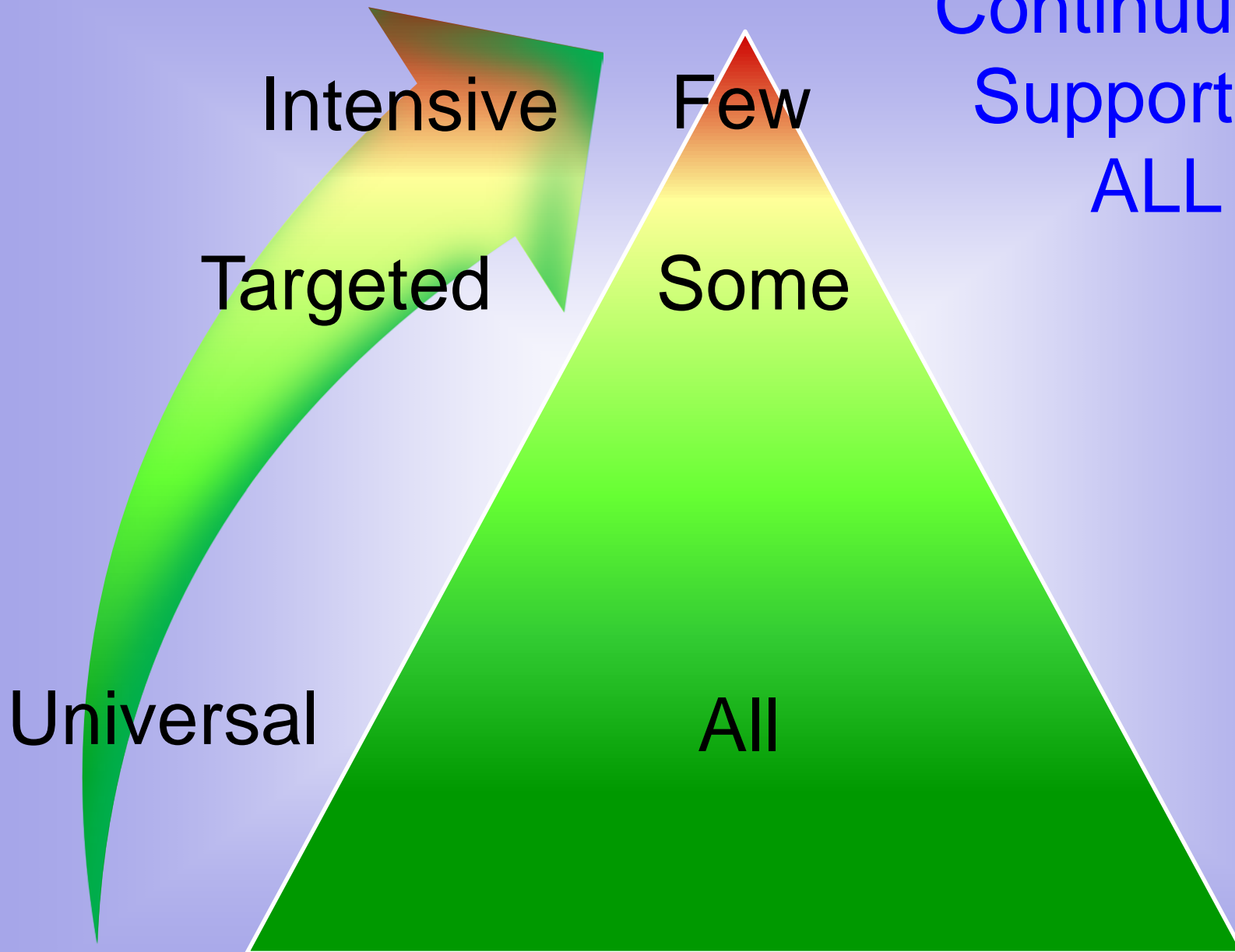
Supporting
**Culturally
Knowledgeable**
Staff Behavior



Supporting
Culturally Valid
Decision Making

Supporting **Culturally Relevant**
Evidence-based Interventions

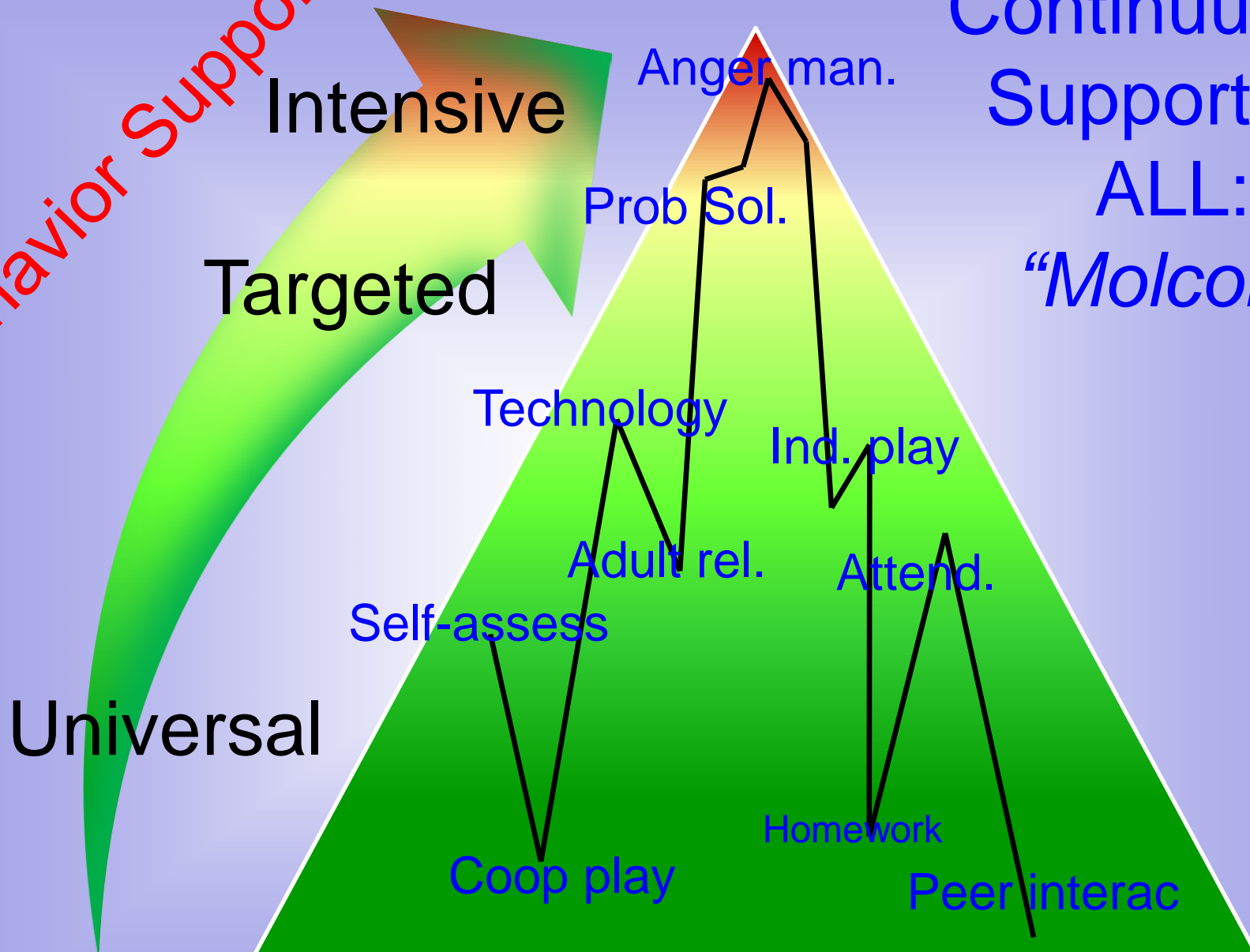
Continuum of Support for ALL



Dec 7, 2007

Behavior Support

Continuum of
Support for
ALL:
"Molcom"



Supports for all students w/ disabilities are multi-tiered

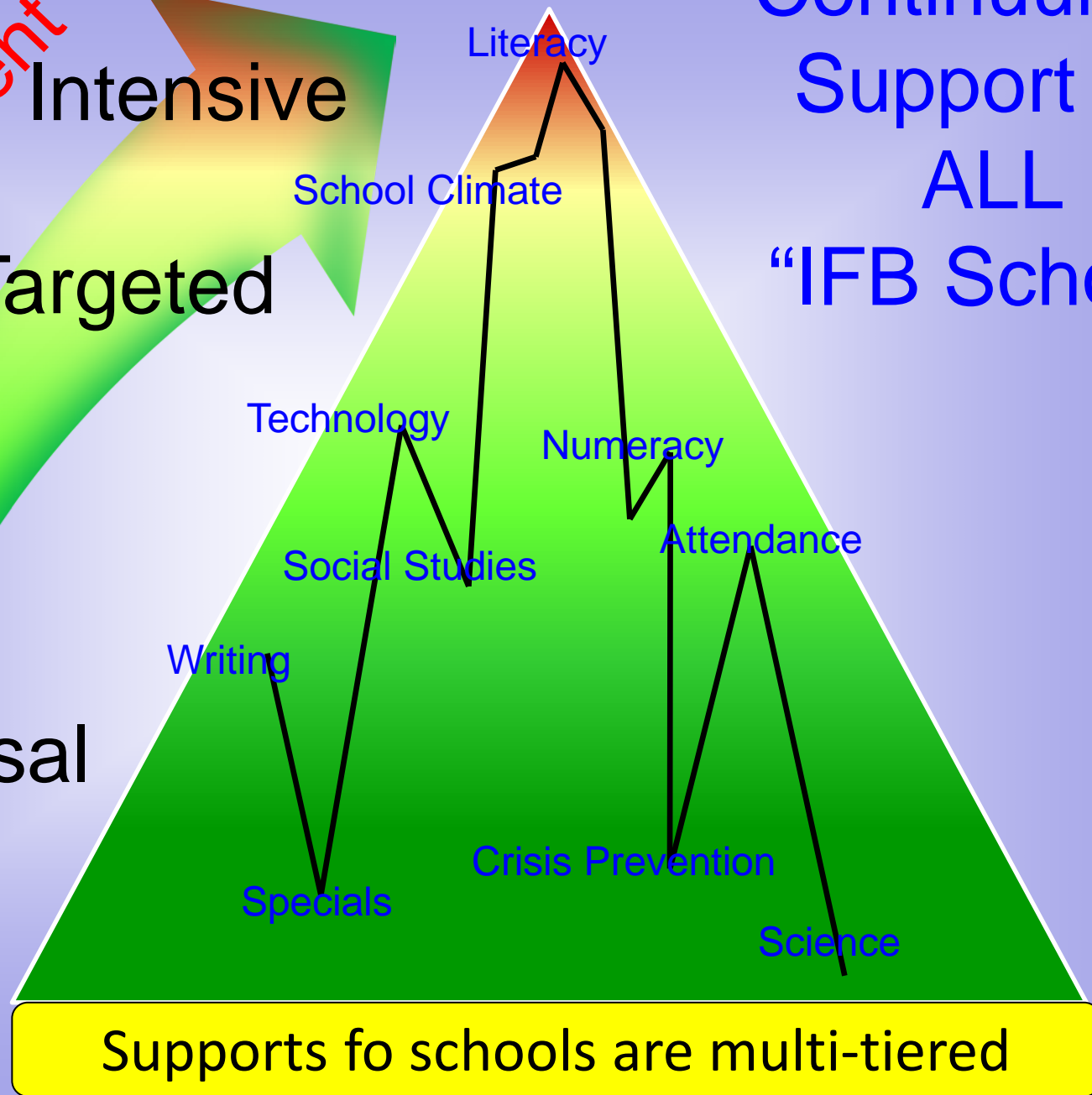
Professional
Development

Intensive

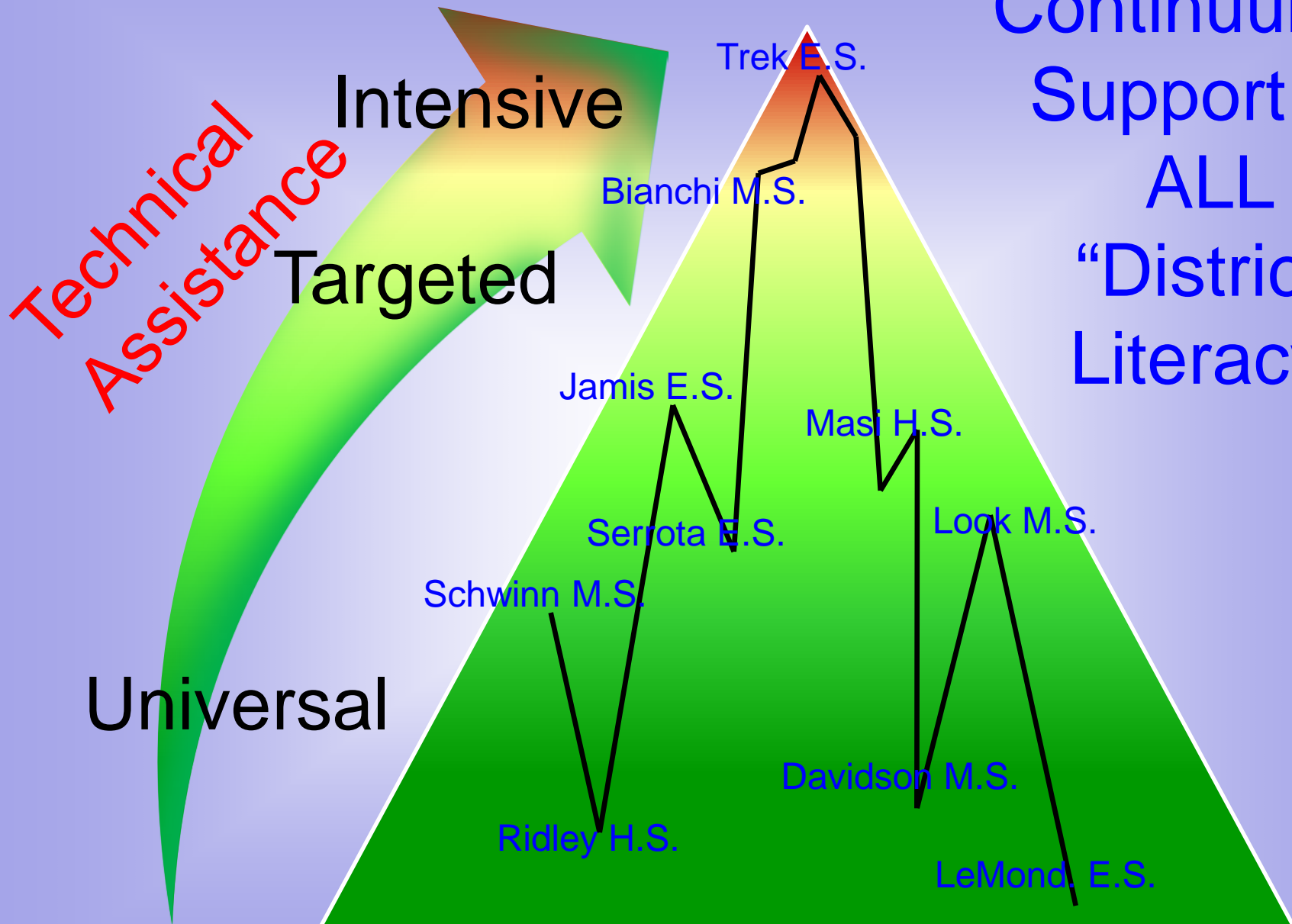
Targeted

Universal

Continuum of
Support for
ALL
“IFB School”

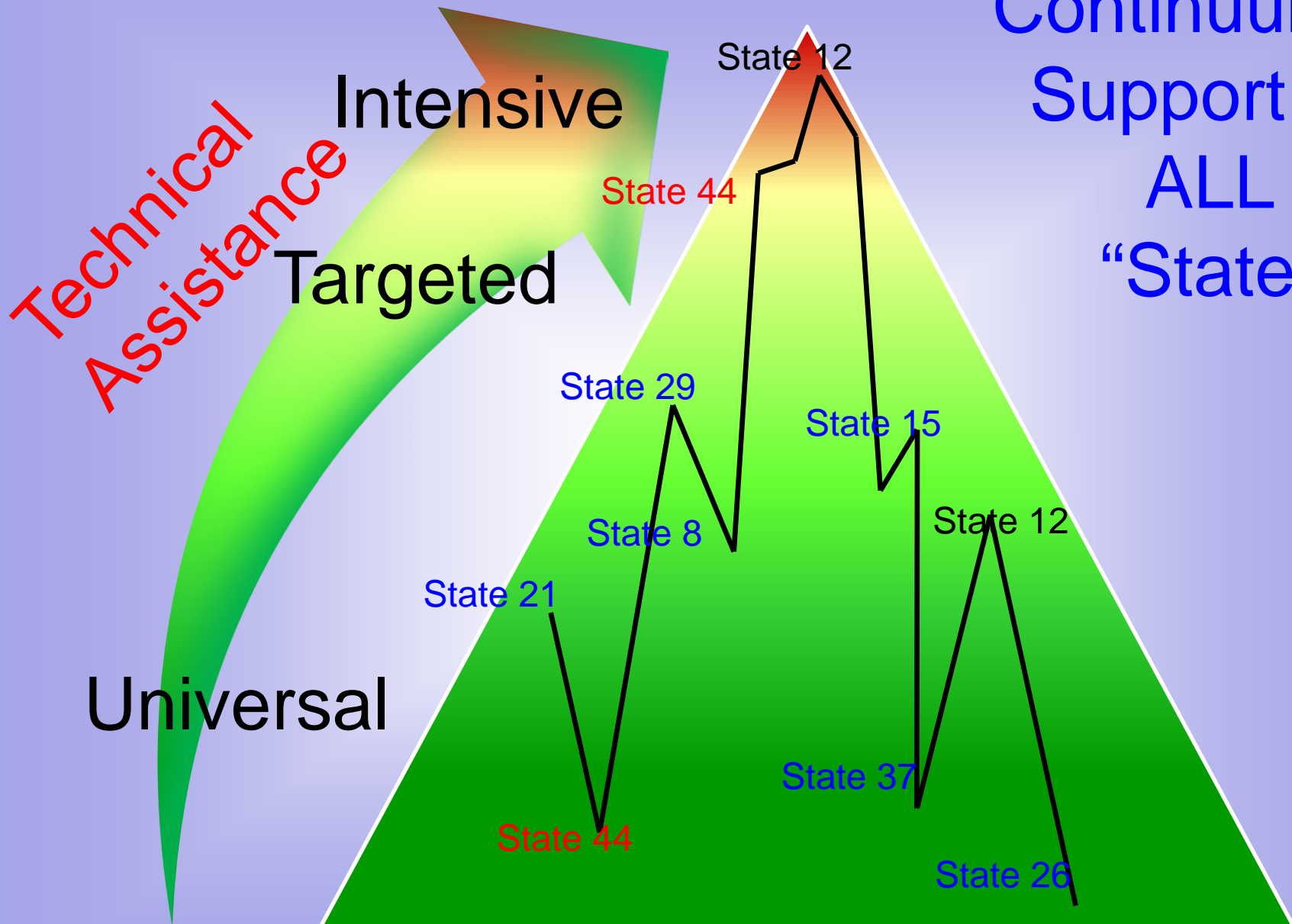


Continuum of Support for ALL "District: Literacy"



Supports for districts are multi-tiered

Continuum of Support for ALL "State"



Supports for states are multi-tiered

Implementation Drivers

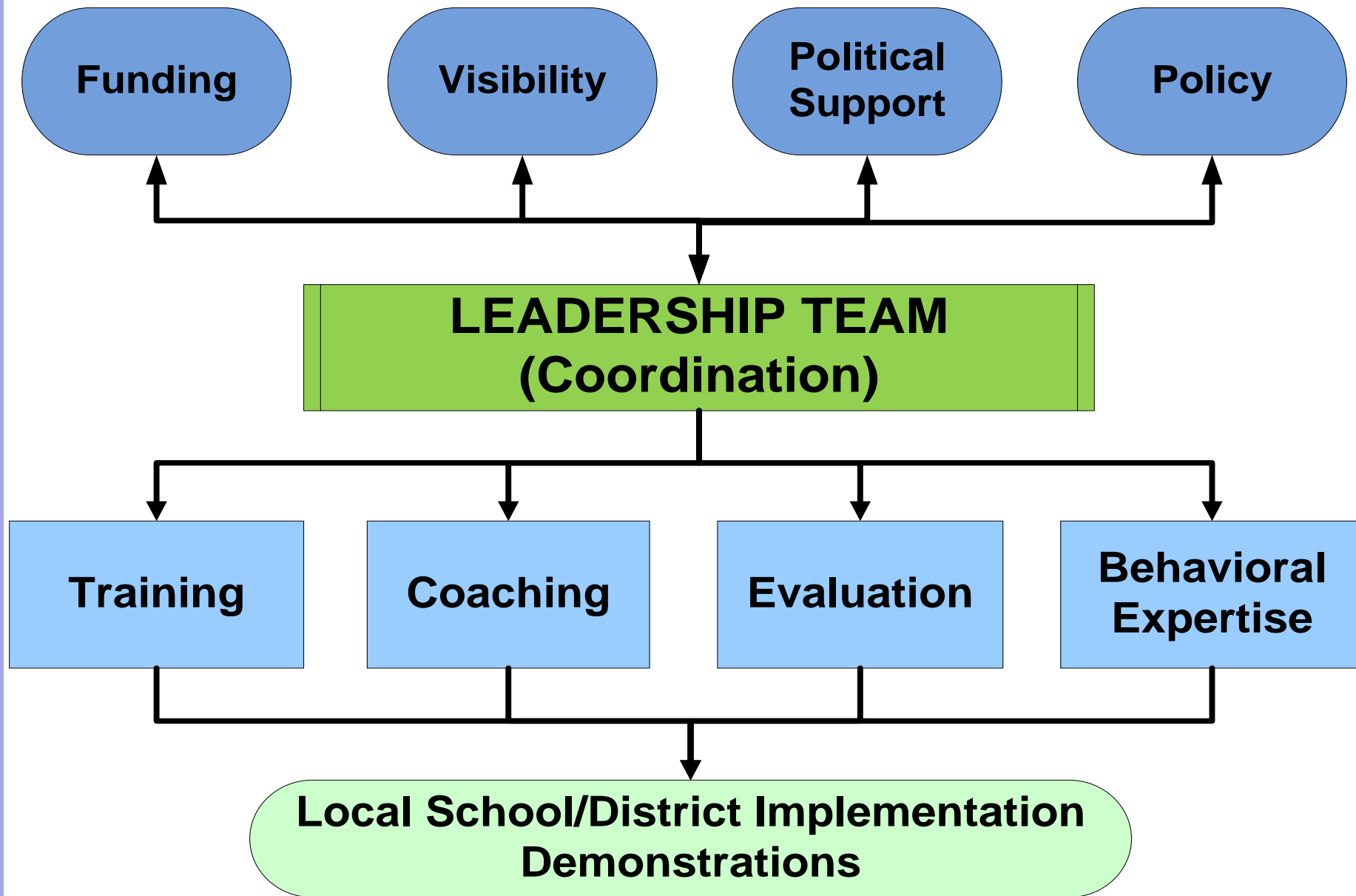


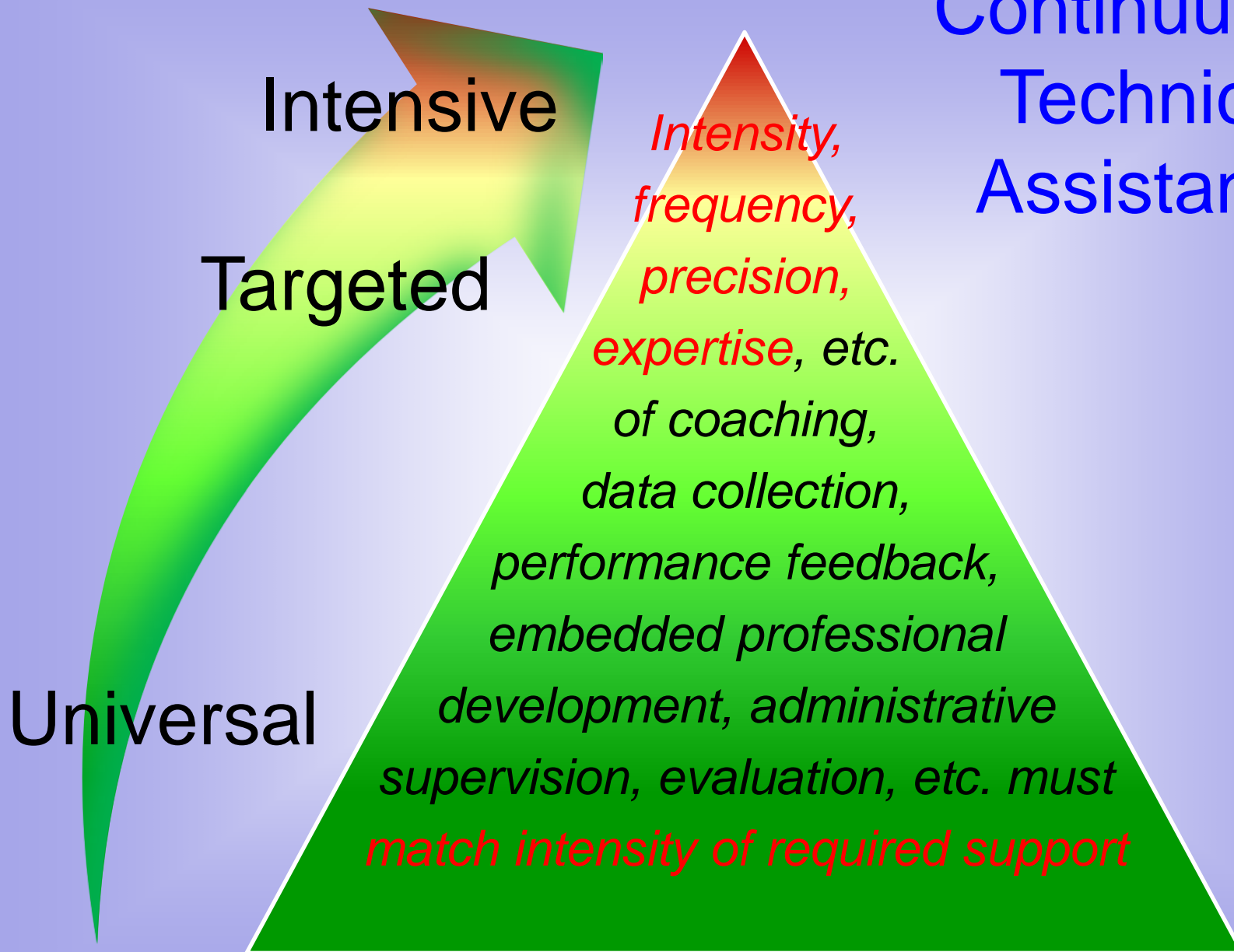
Illustration of intensity of technical assistance support by element and tier

TA Element	Intensity of Support by Tier		
	T1 - Universal	T2 - Targeted	T3 - Intensive
Target Group	<i>All/Whole Group</i>	<i>Some/Small Group</i>	<i>Few/Individual</i>
TA Frequency	<i>Monthly</i>	<i>Weekly</i>	<i>Daily</i>
Data Collection & Use	<i>Monthly</i>	<i>Weekly</i>	<i>Continuous</i>
Local Expertise	<i>General</i>	<i>Medium</i>	<i>High</i>
External Coaching	<i>General</i>	<i>Monthly</i>	<i>Weekly/Daily</i>
Fidelity Evaluation	<i>General</i>	<i>Medium</i>	<i>High</i>

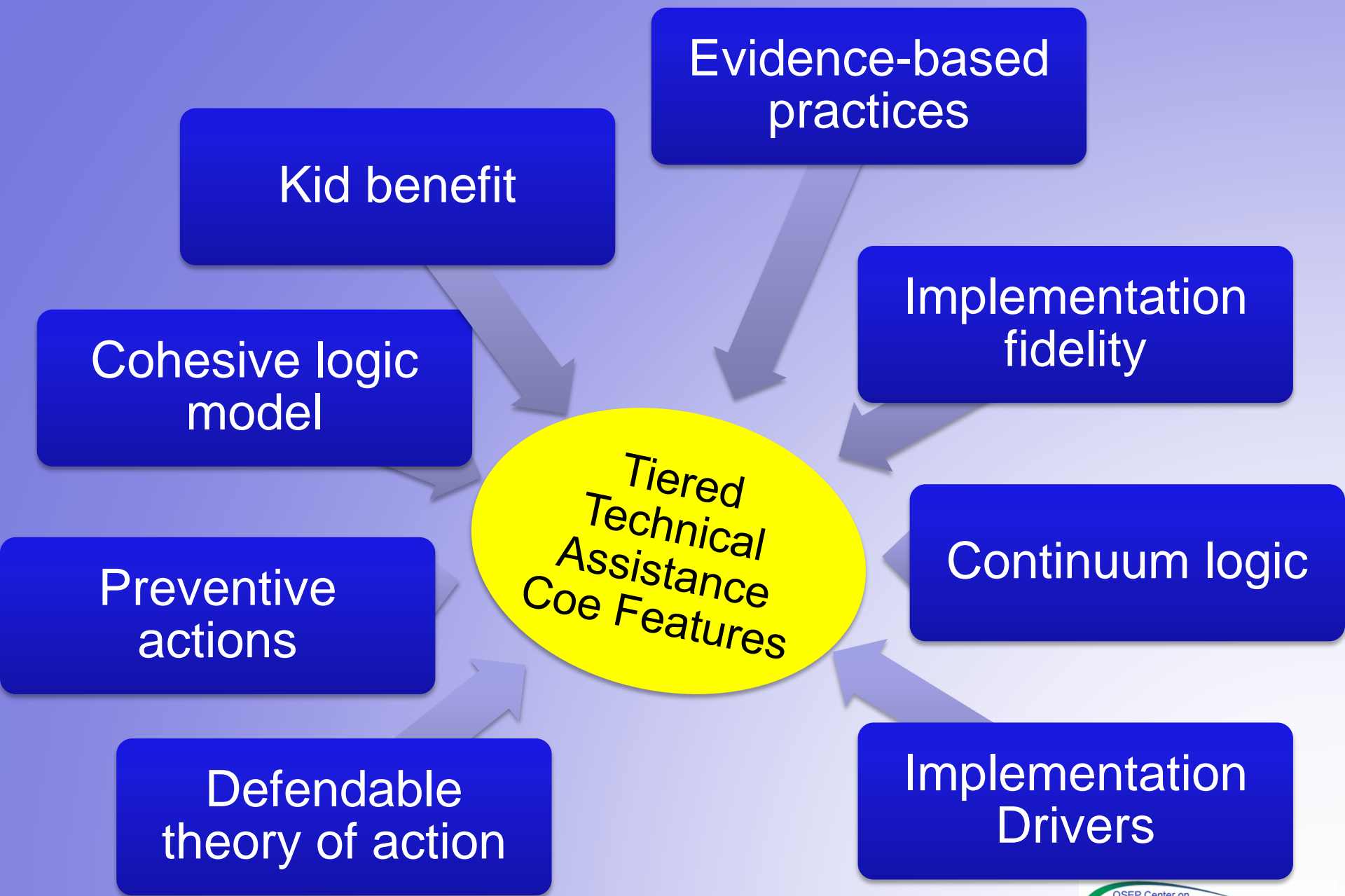
Illustration of resource distribution across multiple practices based on implementation phase.

2013-14 LEA	IMPLEMENTATION PHASE (A, B, C = “practice”)				
	New/Re-Start			Institutionalized	
	Exploring	Initiating/ Partial	Implementing	Sustaining	Enhancing/ Scaling
1	<i>A</i>	<i>B</i>		<i>C</i>	
2	<i>A</i>		<i>BC</i>		
3	<i>C</i>	<i>A</i>	<i>B</i>		
4		<i>A</i>	<i>C</i>	<i>B</i>	
5		<i>C</i>	<i>A</i>		
6			<i>A</i>		
7				<i>C</i>	<i>A</i>
N	<i>C</i>		<i>B</i>		<i>A</i>

Continuum of Technical Assistance



26 Sep 2013





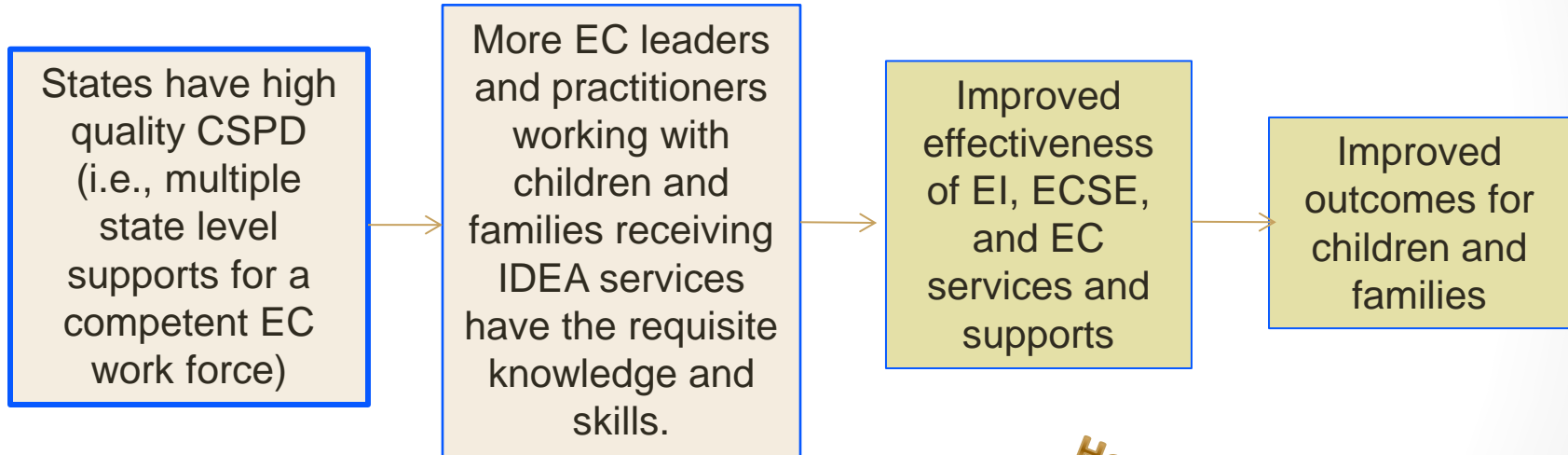
Early Childhood Personnel Center

Mary Beth Bruder

March 25, 2014

ECPCTA.ORG

LOGIC: If we want improved outcomes for infants and young children and families, THEN.....



Note: ECPC will focus on the blue box. The working assumption is that the blue box will produce the green boxes. Large scale change in these areas will occur after the 5 years of the Center.

How improved CSPD leads to improved outcomes

Early Childhood Intervention Personnel Competencies

- Assessment
- Family Involvement
- Program Implementation
- Teaming
- Program Administration
- Program Planning
- Typical Development
- Atypical Development
- Evaluation of Program Effectiveness
- Case Management
- Medical Management
- Other

Bruder & McLean, 1988

General Role of Service Providers

To the extent appropriate, service providers in each area of early intervention services included in paragraph (d) of this section are responsible for:

- Consulting with parents, other service providers, and representatives of appropriate community agencies to ensure the effective provision of services in that area;
- Training parents and others regarding the provision of those services; and
- Participating in the multidisciplinary team's assessment of a child and the child's family, and in the development of integrated goals and outcomes for the individualized family service plan.

(P.L. 99-457)



The Center To Inform

Personnel Preparation Policy And Practice

In Early Intervention & Preschool Education

Personnel Preparation: What we Know and What we Need to Know

UCONNUCEDD.ORG

Mary Beth Bruder, Ph.D.

University of Connecticut

Vicki Stayton, Ph.D.

Western Kentucky University

The Center's Projects

- **Study I:** The National Landscape of Early Intervention and Early Childhood Special Education
- **Study II:** The Higher Education Survey for Early Intervention and Early Childhood Special Education
- **Study III:** The Analysis of Federally Funded Doctoral Programs in Early Childhood Special Education
- **Study IV:** The Impact of Credentials on Early Intervention Personnel Preparation
- **Study V:** Analysis of State Licensure/Certification Requirements for Early Childhood Special Educators

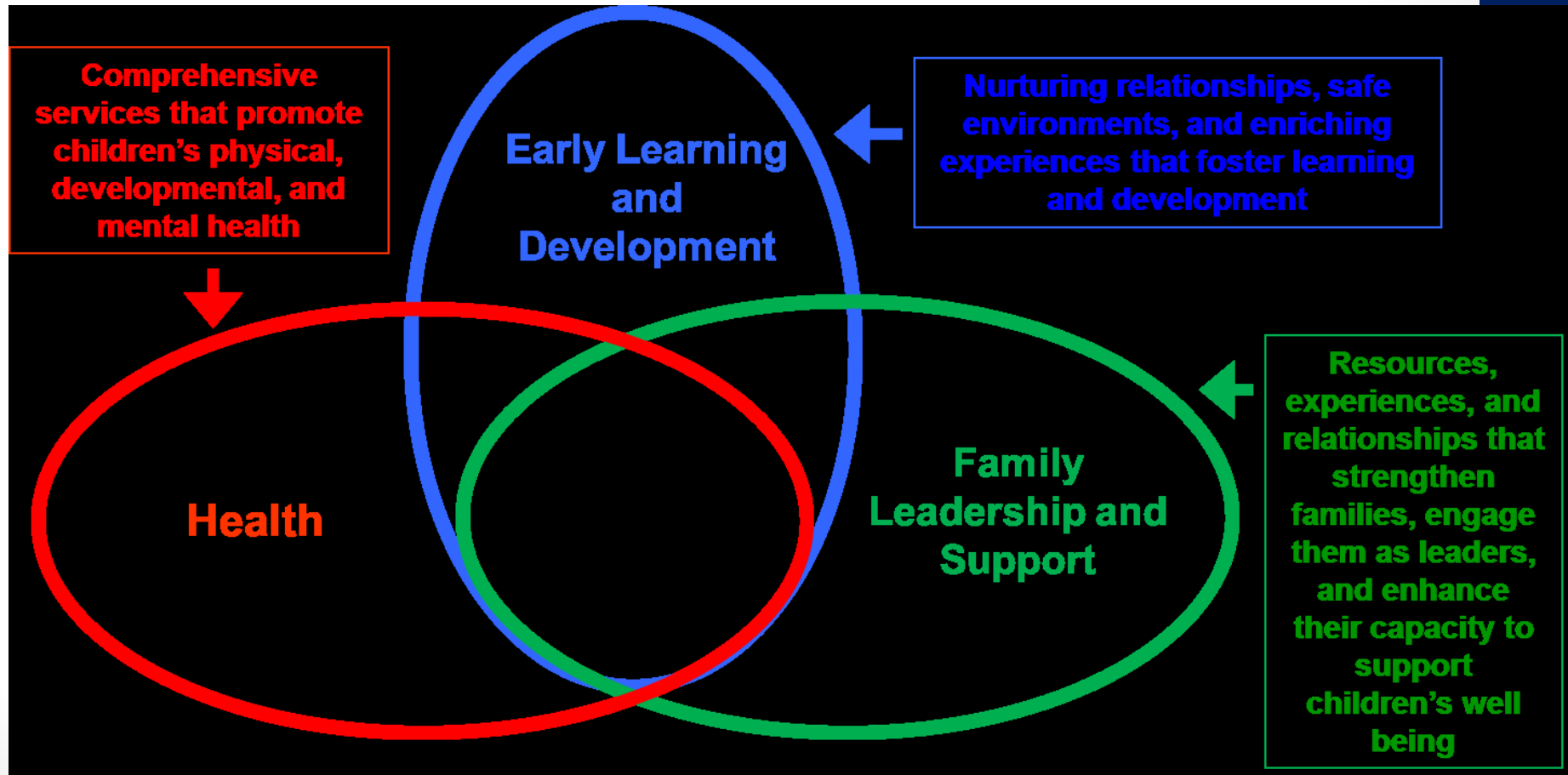
The Center's Projects

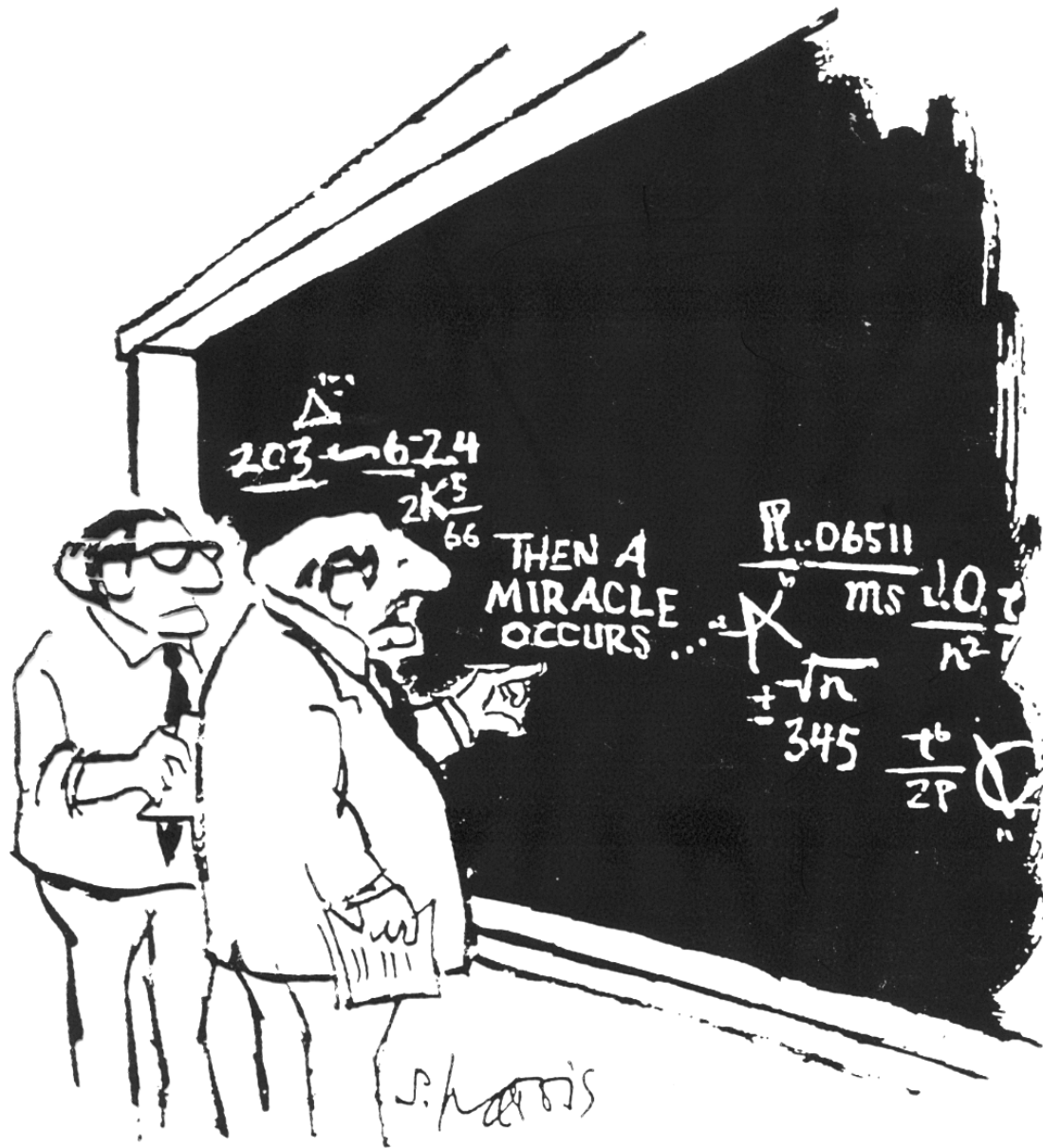
- **Study VI:** Training and Technical Assistance Survey of Part C & 619 Coordinators
- **Study VII:** Confidence and Competence of 619/Part C Service Providers
- **Study VIII:** Alignment of ECSE Higher Education Curricula with National Personnel Standards
- **Study IX:** Parent Perceptions of Confidence and Competence of 619/Part C Service Providers
- **Study X:** Case Studies Highlighting States from Study VI on Training and TA



*“So, how come I get ”adapted leisure skill / gross and fine motor skill therapy”
and you get to just “play”?*

Early Childhood Systems (BUILD initiative)





"I think you should be more explicit here in step two."

HOW DO WE GET THERE?

**Comprehensive System of
Personal Development
(P.L. 94-142)**

A Comprehensive System of Personal Development

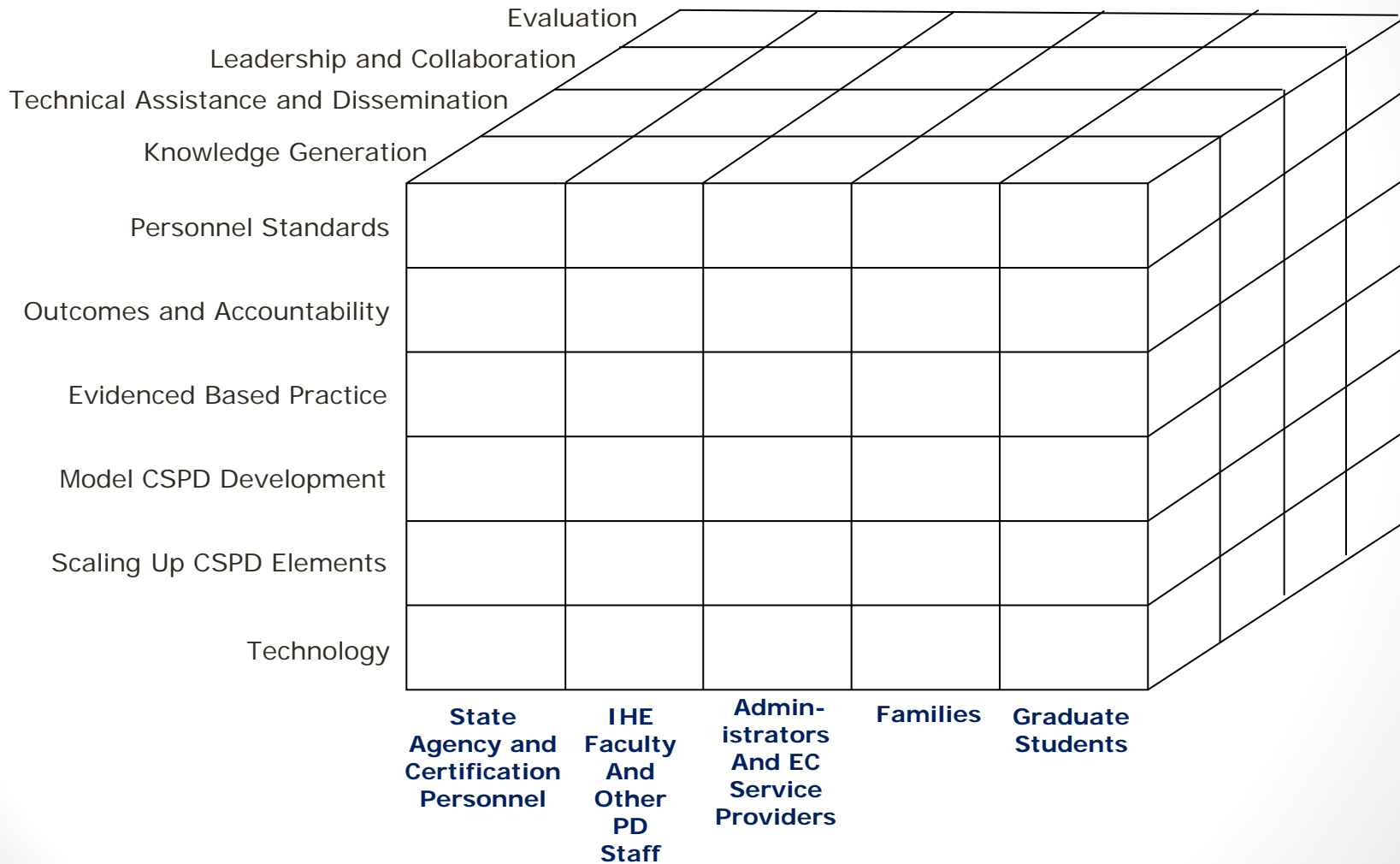
for the early childhood workforce who
serve infants, toddlers and preschool
children with disabilities and their
families

**is a necessary and integral quality
indicator of an early childhood
service system**

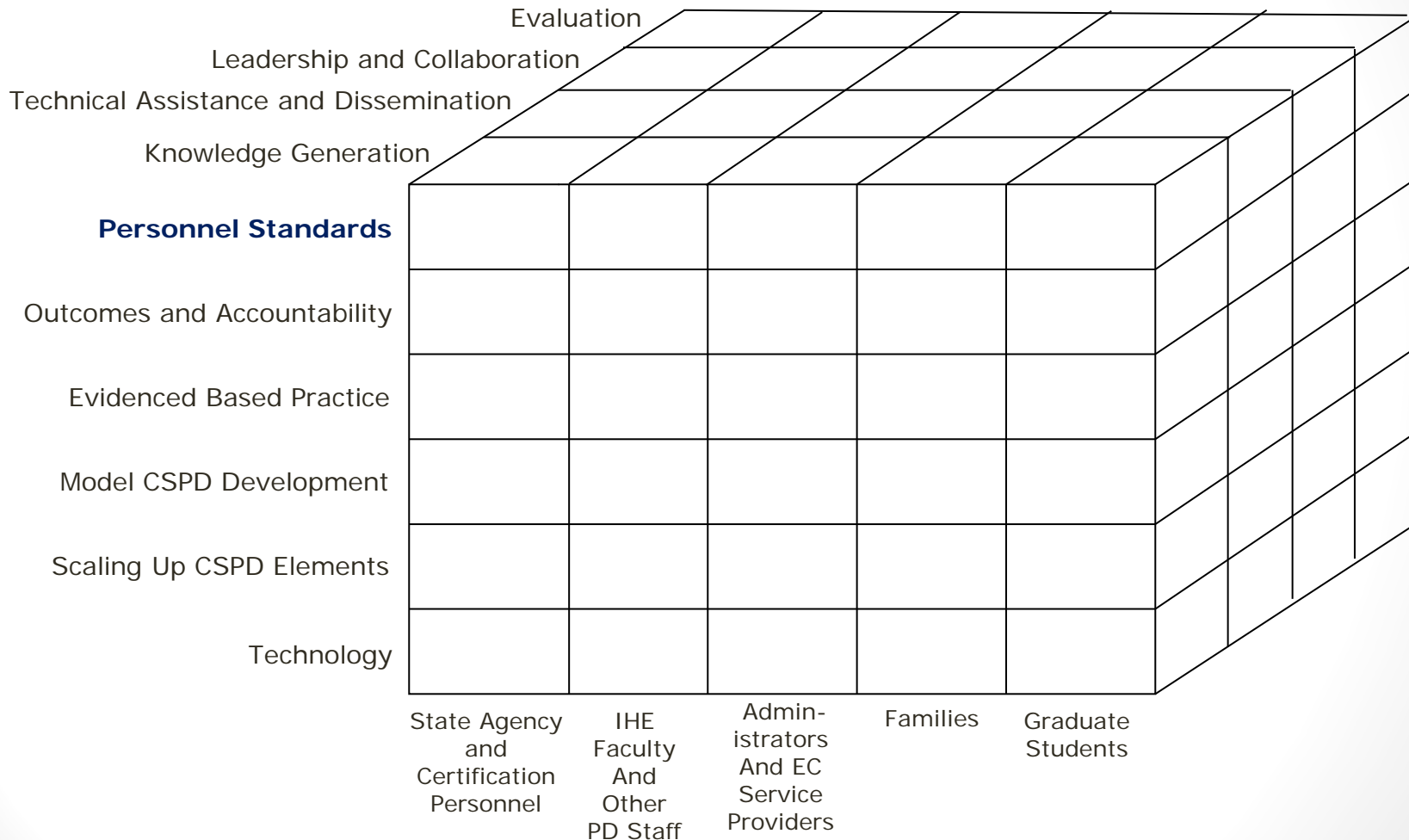
Early Childhood Personnel Center

to facilitate the implementation of integrated
and **comprehensive early childhood**
systems of personnel development (CSPD)
for all disciplines serving infants and young
children with disabilities

ECPC Framework



ECPC Framework



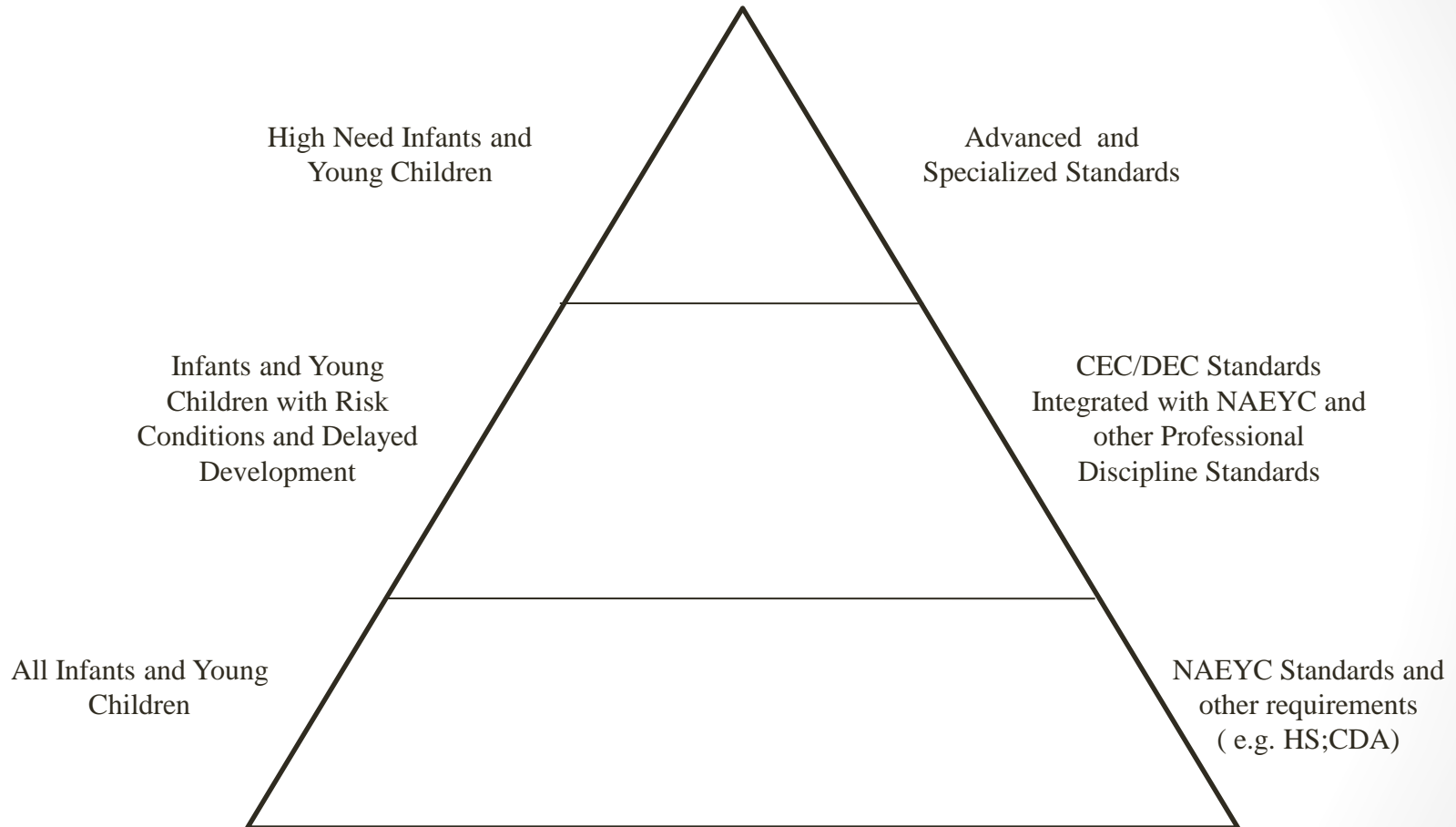


THE CHRONICLE OF HIGHER EDUCATION

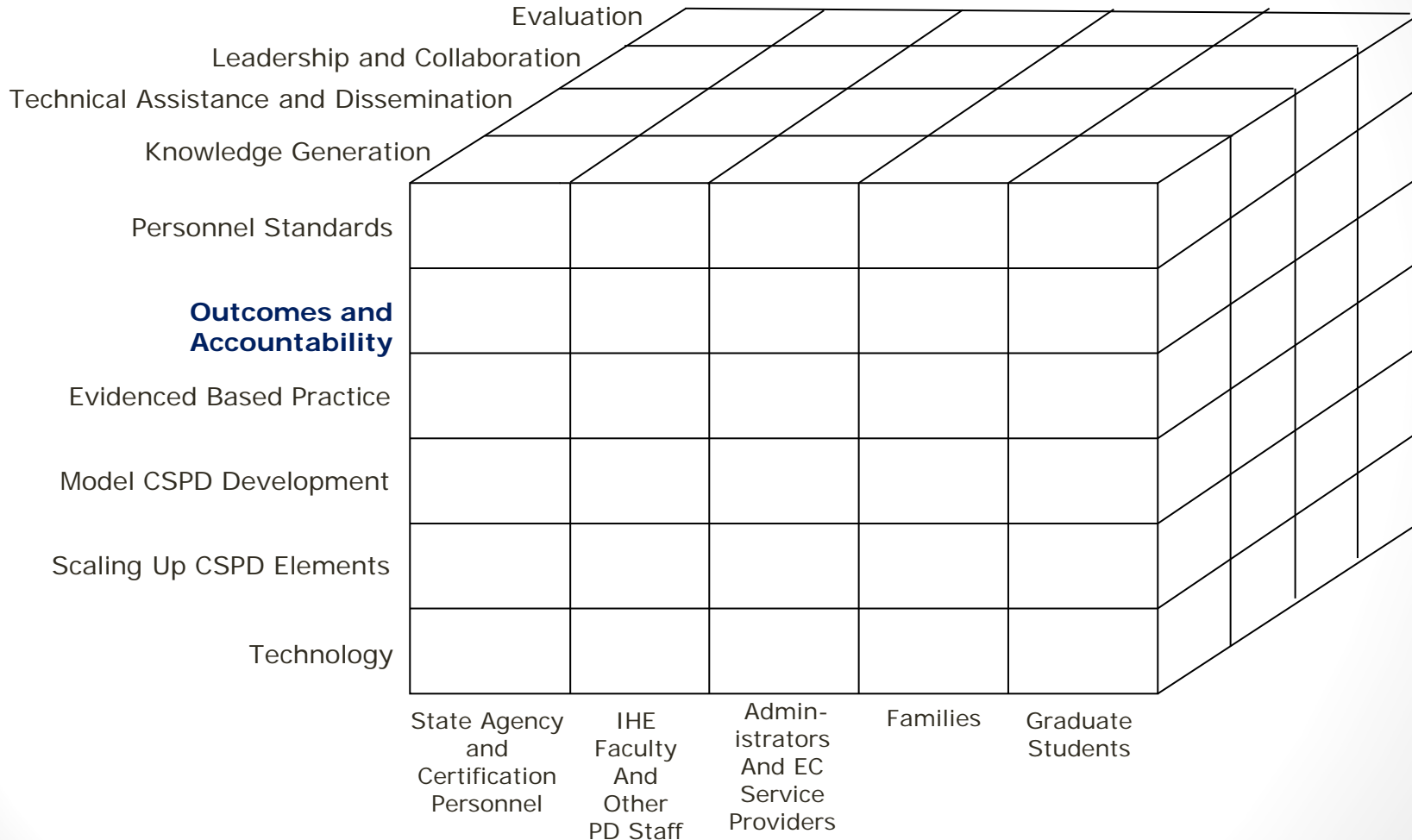
MISCHA RICHTER AND HARALD BAKKEN

"How are we supposed to teach them professional skills when they come to us not even knowing basic curses and elementary hexes?"

Continuum of Early Childhood Personnel Competencies



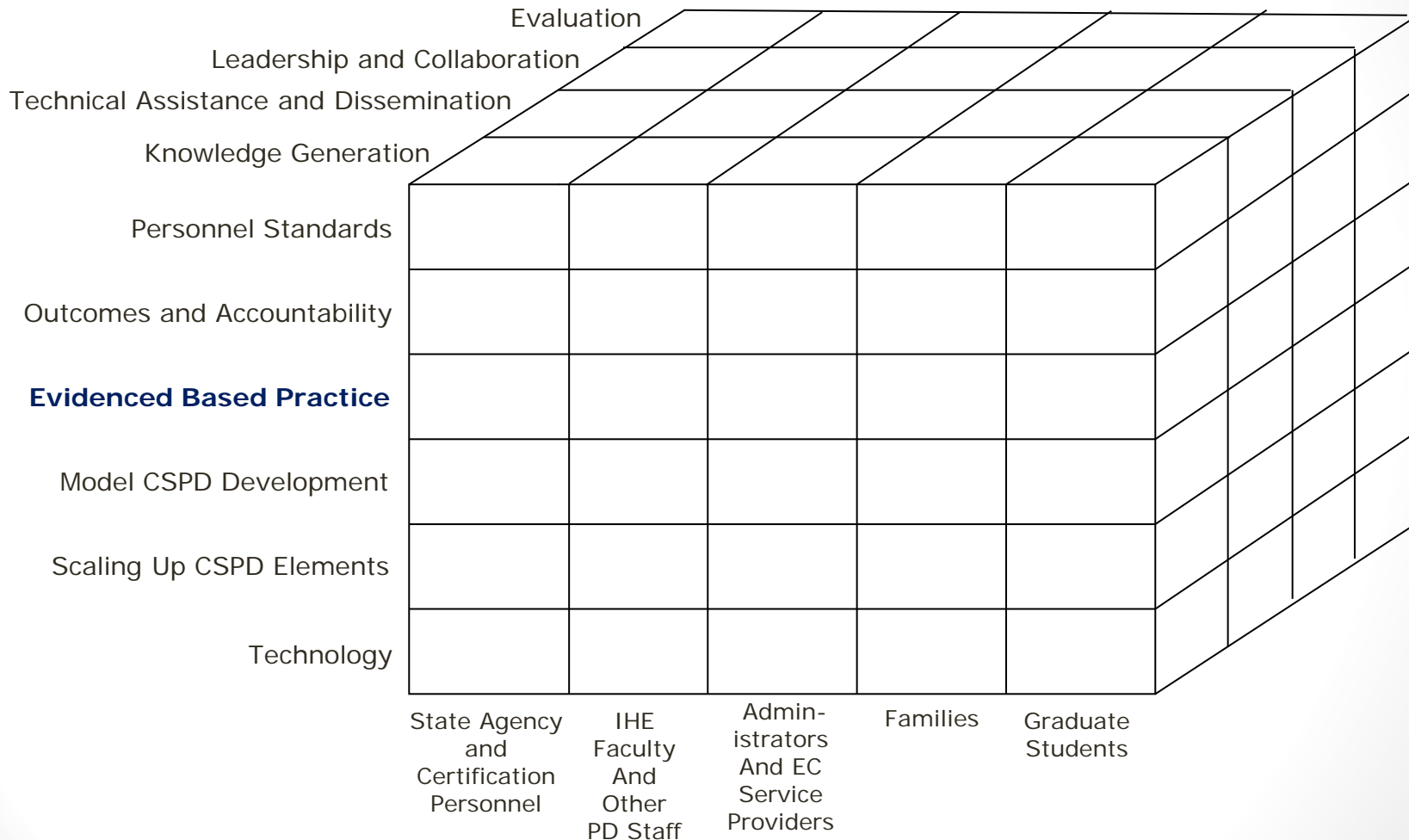
ECPC Framework





"My question is: Are we making an impact?"

ECPC Framework





Definition of Evidenced Based Practice

Practices that are informed by research,

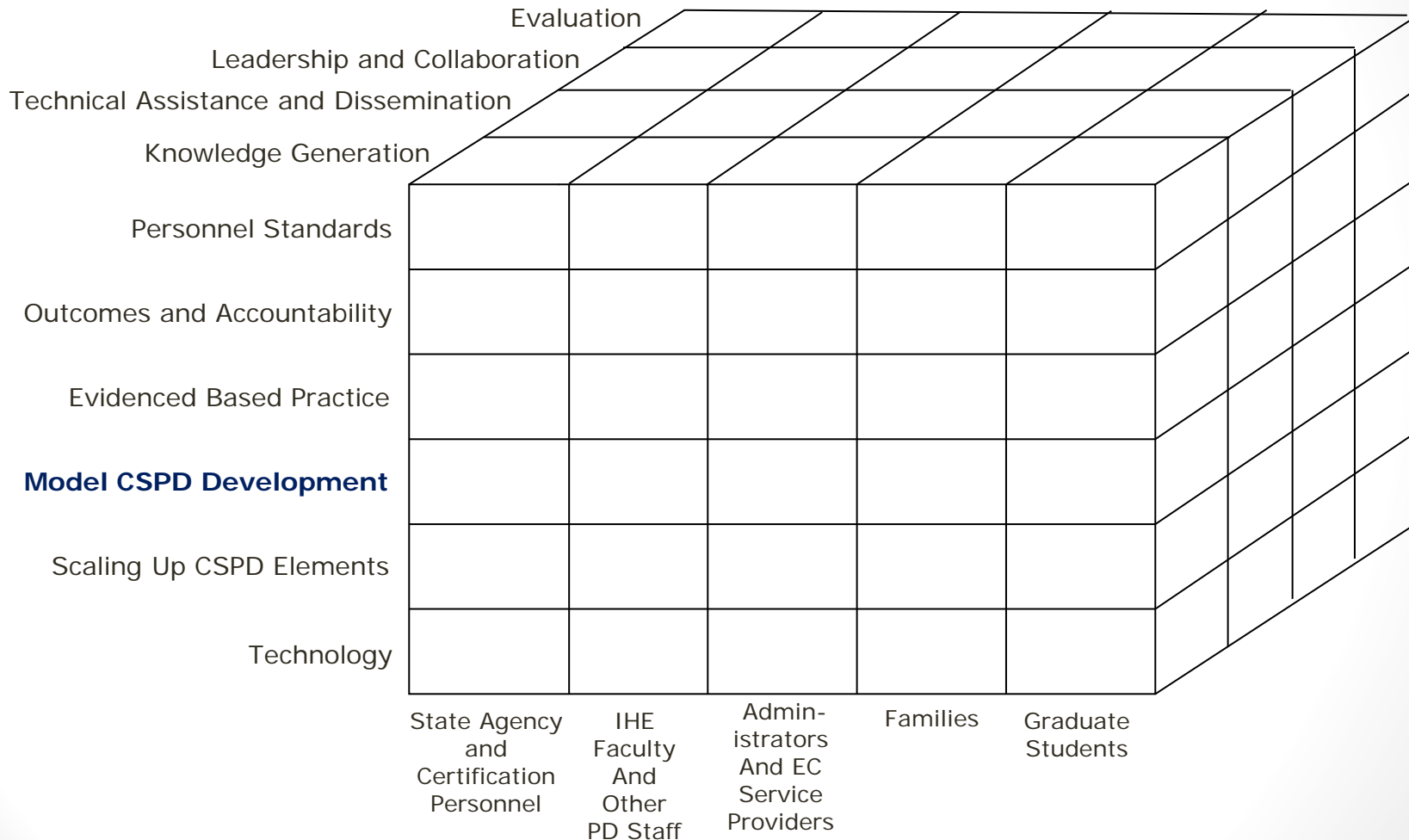
*in which the **characteristics** and **consequences** of environmental variables are empirically established*

*and the **RELATIONSHIP** directly **informs***

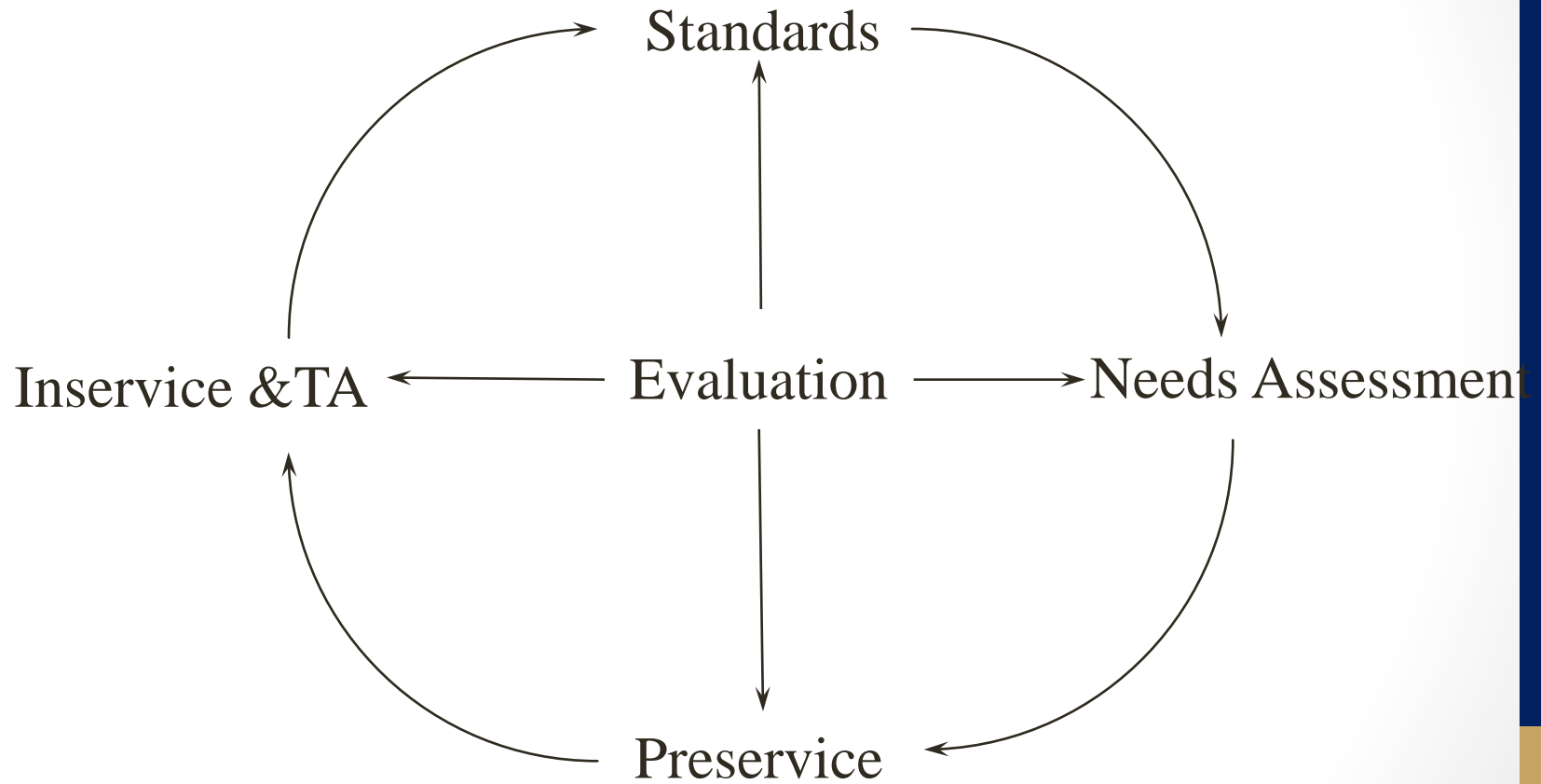
what a person can do to produce a desired outcome.

Dunst, 2009

ECPC Framework



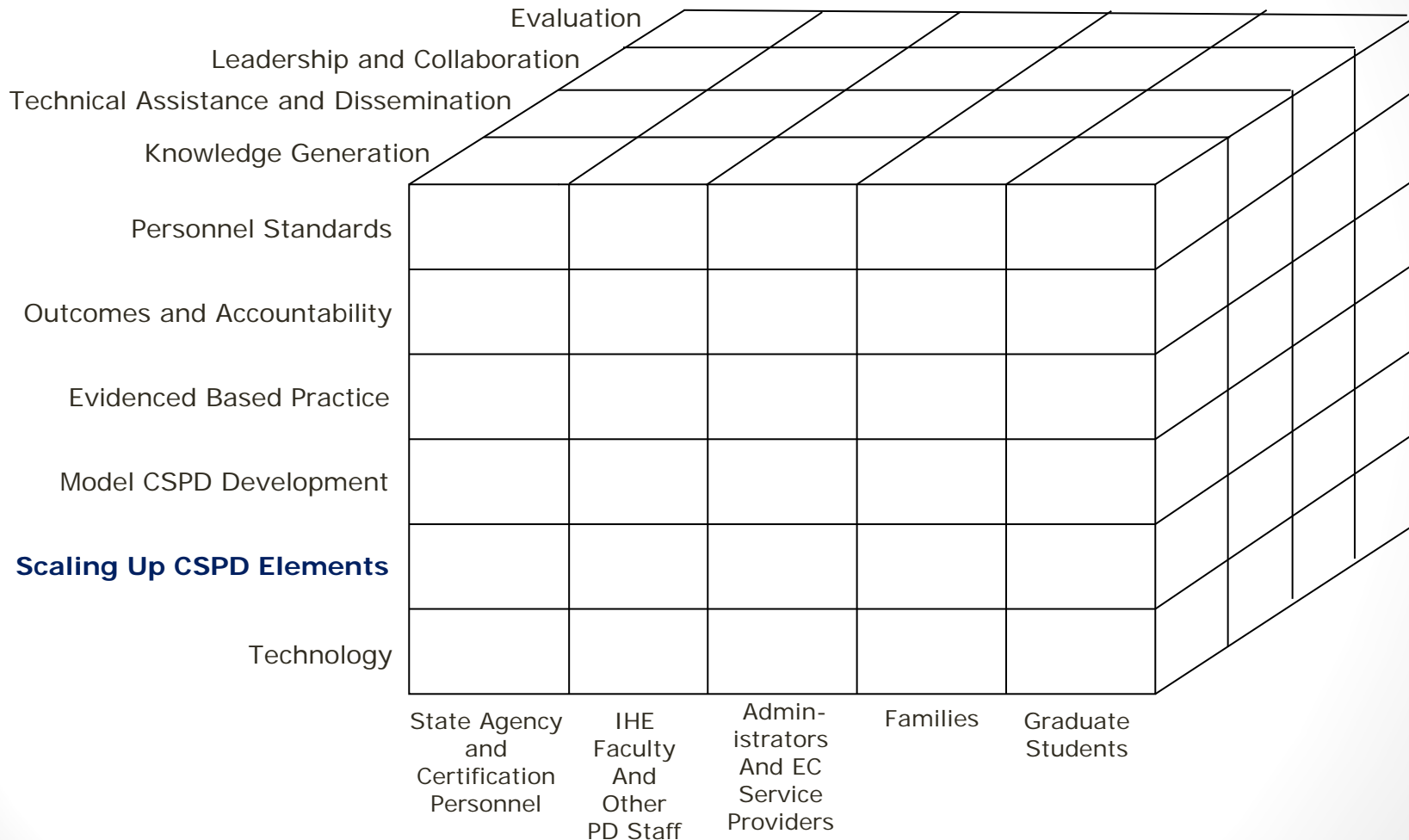
CSPD





Oh Goodie -
Another Meeting!

ECPC Framework



WHO IS PROPELLING?

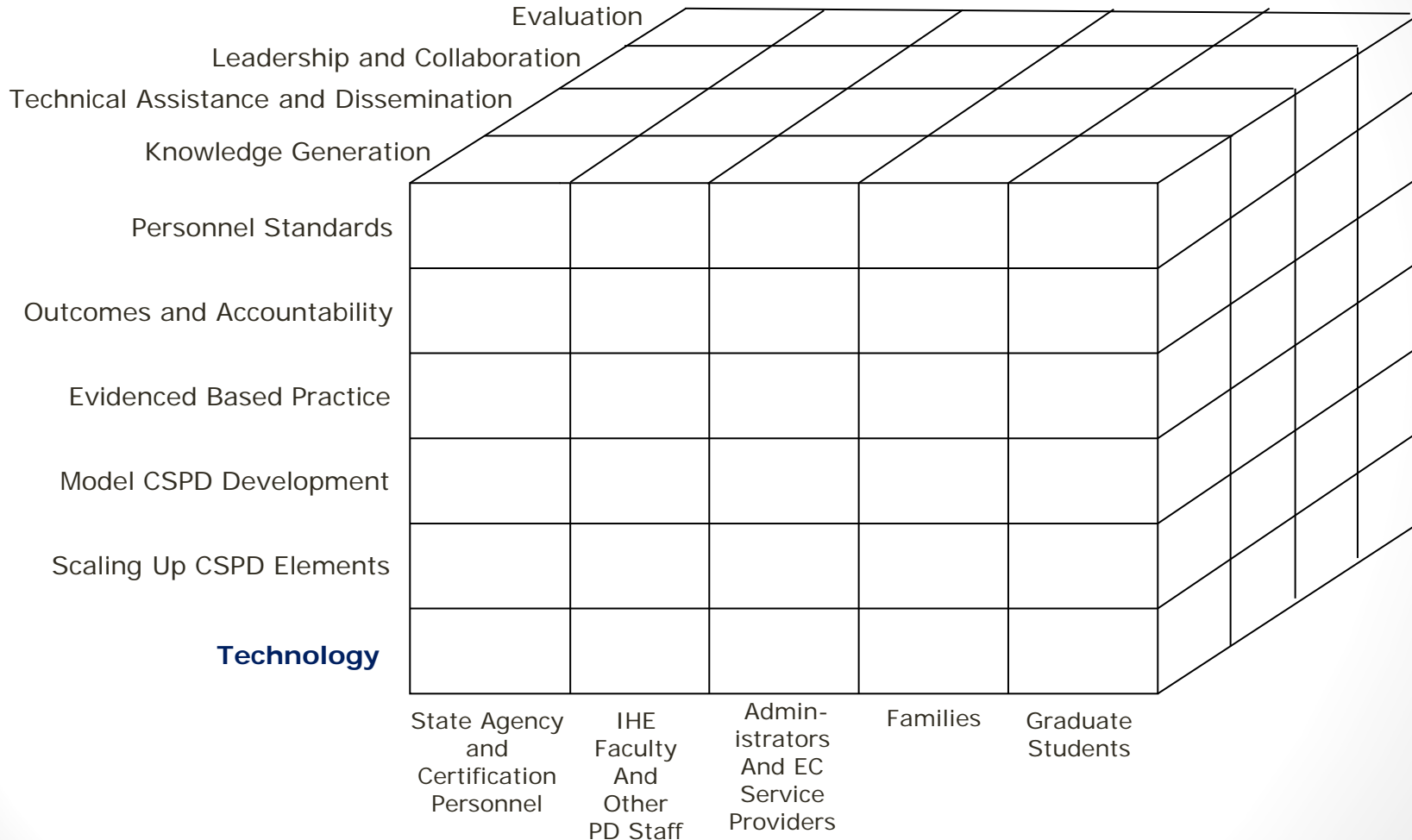


CLUSTERING TO BUILD CRITICAL MASS

Building a Model

- Operational definition and reliable measurement of the outcomes
- Socially valid relationship between intervention and socially valid outcome: if/then
- Consistency of effects across users
- Advantage of alternative service delivery
- **Fidelity of Implementation**
 - Paine, Bellamy & Wilcox, 1984

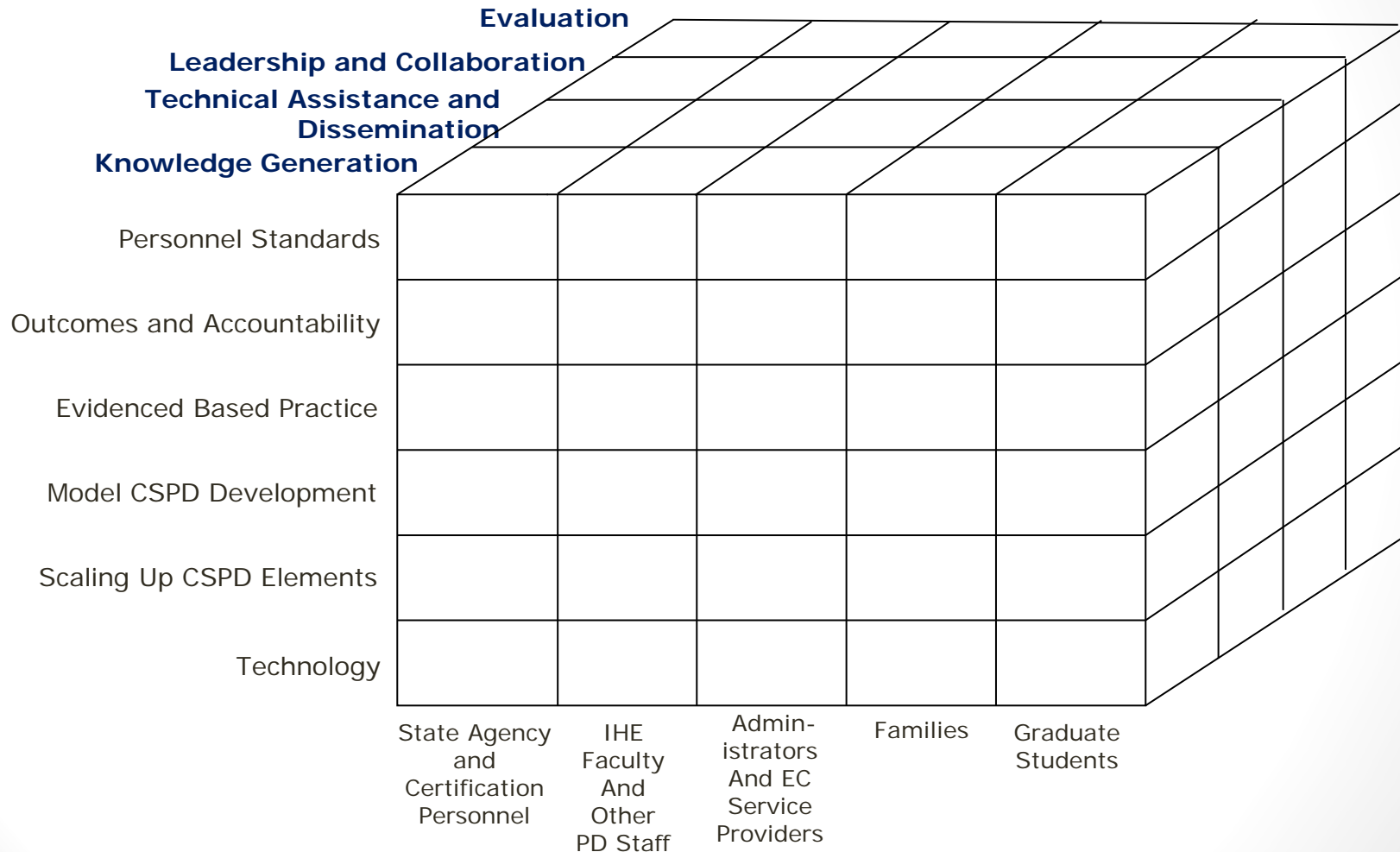
ECPC Framework





"Last night I dreamed in e-mail."

ECPC Framework



Outputs of the Center

- Knowledge Development
- Technical Assistance
- Leadership and Coordination

Knowledge Development

- National Data Base of Personnel Standards
- National Data Base of CSPD Components
- Research Syntheses on Personnel Issues
- National Initiative on Cross Disciplinary Standards

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M2Ecomics@aol.com

"We're not sure what you have,
but whatever it is, we have it
outnumbered."

Leadership and Coordination

- Leadership Institute with Part C and 619 Coordinators
- Working Collaboratively with other OSEP Early Childhood TA Centers: **DaSy; ECTA; IRIS**
- Working Collaboratively with Other Education and HHS TA Centers

The world we have created is a product of our thinking.

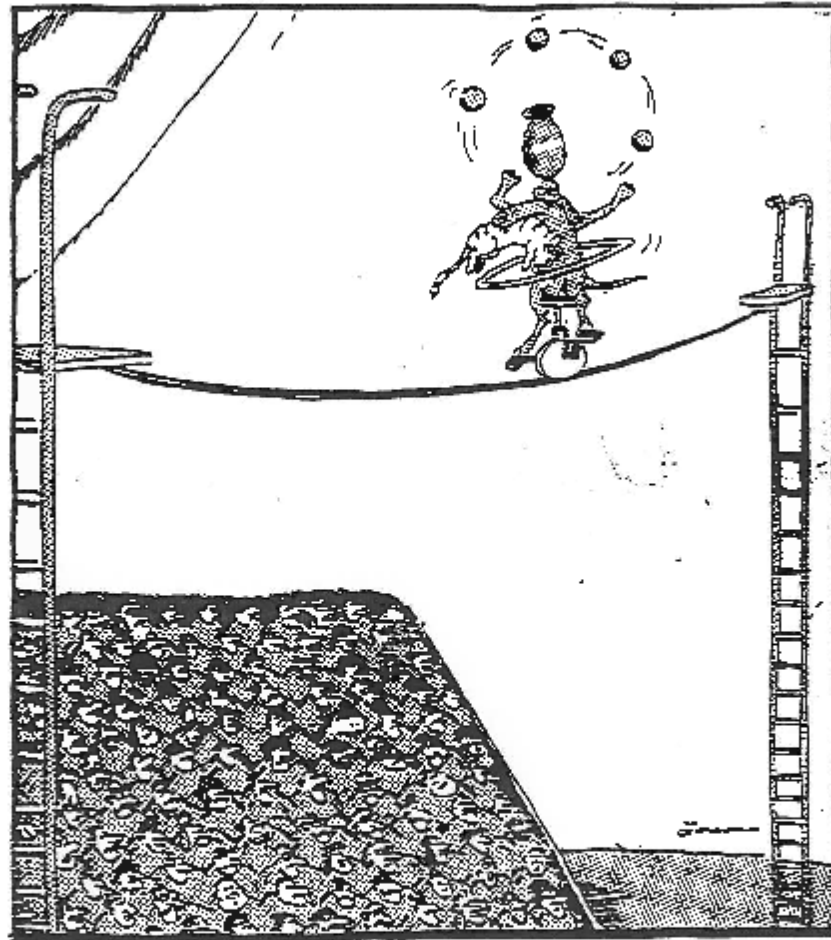
It cannot be changed without changing our thinking.

Einstein



Technical Assistance

- **General:** Across Audiences, Regions, States
- **Targeted:** Within Audiences, Regions, States and Specific CSPD Components
- **Intensive:** CSPD Within 8 States, Fidelity to Implementation Framework



High above the hushed crowd, Rex tried to remain focused. Still, he couldn't shake one nagging thought: He was an old dog and this was a new trick.

How Will We Do This ?

- **Content:**

CSPD

- **Method:**

Implementation Frame Through
Strategic Planning

- **Outcome:**

Scaling Up of Effective Practices
for Personnel Development

Content:

Comprehensive System of Personnel Development

- Needs Assessment
- Personnel Standards
- Preservice
- Inservice
- Technical Assistance
- Evaluation

- **Needs Assessment**

Data to document the needs of multiple audiences who comprise the early childhood workforce serving infants and young children with disabilities and their families

Needs Assessment

1) Linked to existing personnel standards

- List by discipline and source of standard

2) Administered across disciplines

- List by discipline

3) Appropriate data collection method to audience and need

- List by need, audience and strategy

4) Data analyzed and stored

- Detail procedures for each needs assessment

5) Data used to determine training and TA needs

- Detail for each needs assessment

6) Updated as needed

- List frequency of data collection for each needs assessment

7) Accessible to respondents and state and local programs

- Describe methods for review and retrieval of data

- **Personnel Standards**

Licensing, and certification of personnel who provide services to infants and young children with disabilities and their families

- **Preservice**

Preservice degree programs for personnel to provide services for infants and young children and with disabilities and their families

- **Inservice**

Ongoing training for those personnel who provide services to infants and young children with disabilities and their families

- **Technical Assistance**

Specific skill enhancement for an individual or group need

- # Evaluation

- Formative and summative measures of CSPD component activities

Method:

Implementation Framework

To Facilitate the adoption of Effective
Practices Through Strategic Planning
for a CSPD

What Do We Mean by Implementation?

- *A specified set of activities* designed to put into practice a policy, activity, or program of known dimensions.
- Implementation processes are purposeful and defined in sufficient detail such that independent observers can detect the presence and strength of these “specified activities”

Major Themes in Implementation Literature

1. Assessing readiness and capacity
2. Structure of the implementation process
3. Engagement and buy-in
4. Program installation
5. Outcome evaluation and fidelity monitoring
6. Feedback and quality improvement
7. Innovation and adaptation

Through Strategic Planning

Principles of Strategic Planning

- Strategic planning is directed toward **creating a future** that could be, rather than reacting to a future that will be.
- The **process** of strategic planning is as important as the product because the process is designed to create understanding, consensus, and commitment through interactions of leaders and stakeholders.
- Strategic plans must be sufficiently broad to provide flexibility and sufficiently specific to **provide direction** for functional and operational planning.

The Strategic Planning Process: Key Characteristics

- Focused and Decision Related
- Future Oriented
- Fact-Based
- Avoids Over-Generalization
- Explores Alternative Solutions
- Reassesses Decisions Over Time
- Politically Realistic

VISION vis a vis Outcome



MISSION of the Group



CAPACITY of the State



OBJECTIVES AND ACTION PLAN



EVALUATION

Strategic Planning for a CSPD

1. Process by which CSPD:

- Sets its direction
- States its intent
- Establishes parameters for implementation

2. CSPD should include:

- Clear statement of the problem the strategic plan intends to address
- Broad goal statement of what to be accomplished
- Outcome-oriented objectives which move toward that accomplishment
- Strategies and actions which will enable the accomplishment of objectives
- Operational guidelines for implementation

Phase I Sequence

- Exploration
- Installation
- Initial Implementation
- Full Implementation

Phase II: Model Replication

We Will

**Scale Up Effective Practices for
Comprehensive and Integrated Early
Childhood Systems of Personnel
Development**

AND EFFECT SUSTAINABLECHANGE

WHEN WE.....

- Demonstrate a Reliable Relationship Between and Among Variables
- Replicate across.....
- Evaluate Fidelity and Outcomes
- Isolate Model Components that are Effective Across Multiple Exemplars

Scaling UP a CSPD with Fidelity

- Accuracy of Procedures
- Consistency Across Users

TA Outcomes:

ECPC: Where Are We Now?

- **Phase I Develop the Model CSPD**

Delaware

Iowa

Kansas

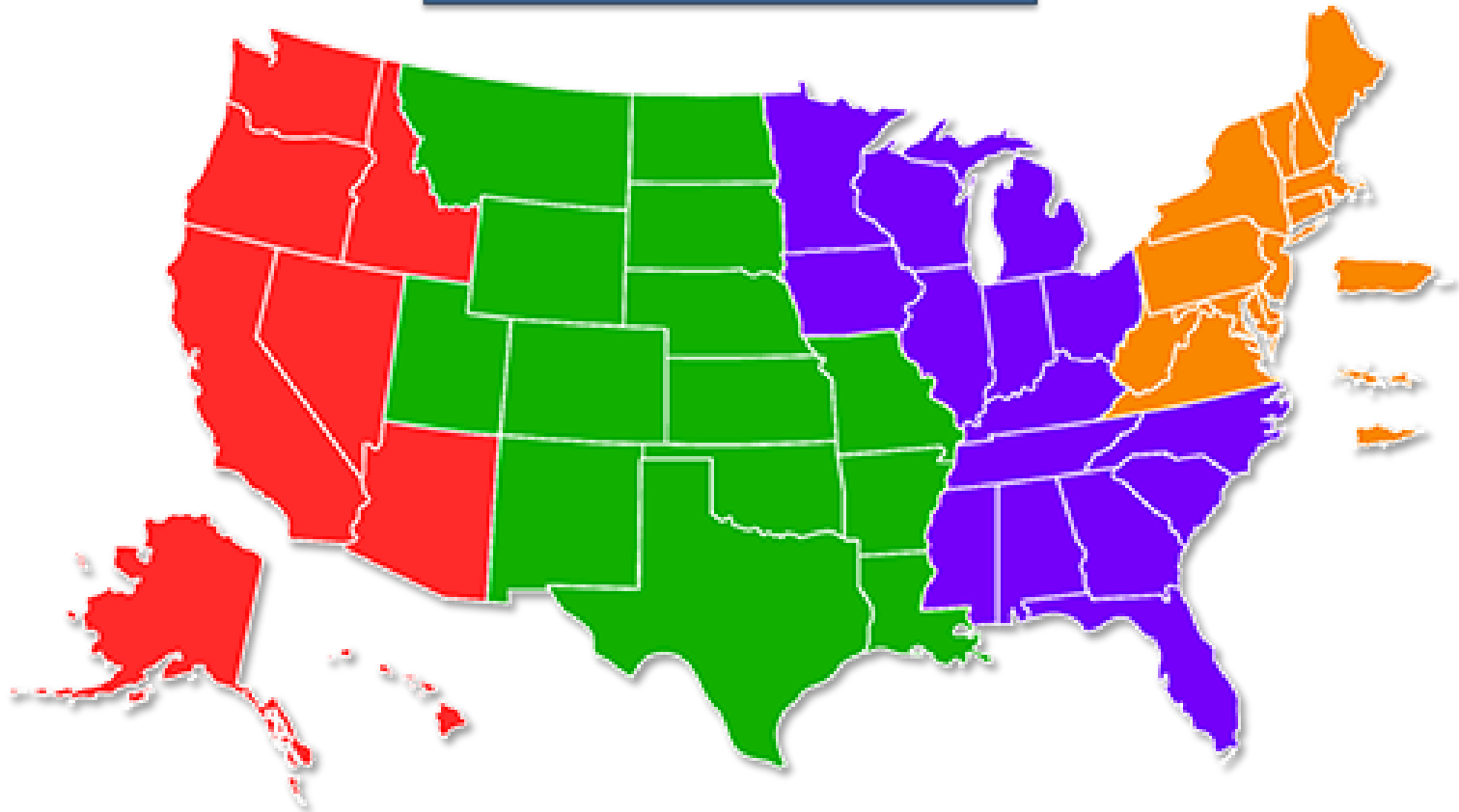
Oregon

The Conclusion:

Personnel Can Have a
Powerful Impact....
or NOT



ECPC Regions



Western Region – University of Oregon

Mid-Western Region - University of Kansas

South and Mid-Atlantic Region – Florida State University

Northeast Region – University of Connecticut



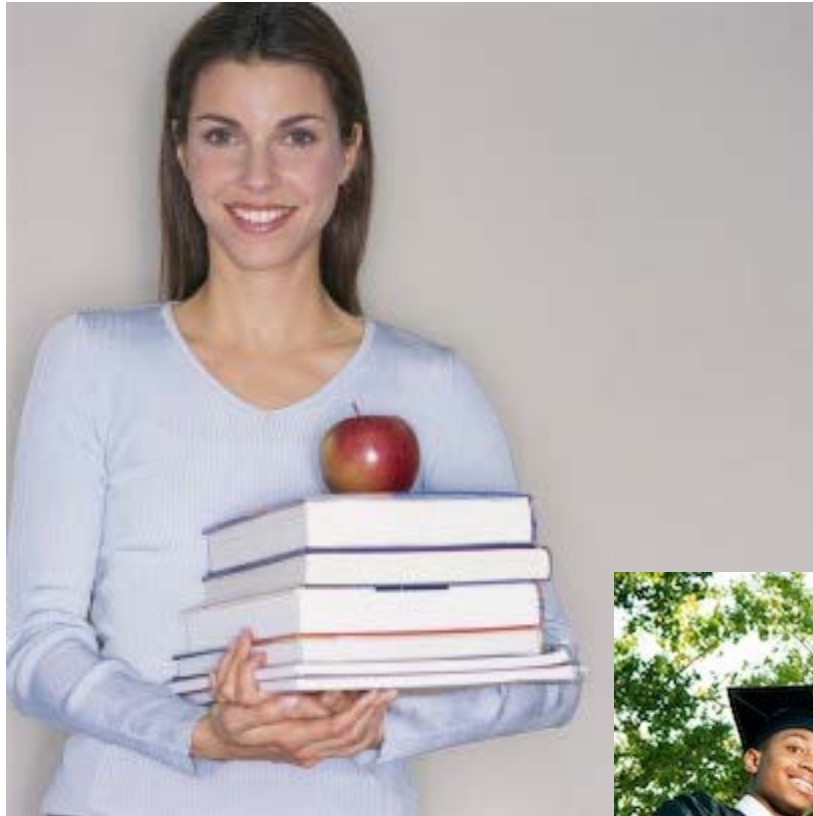
National Resource to:

- State Education Agencies (SEA)
- Lead Part C Agencies
- Other Early Care and Education Agencies
- Institutes of Higher Education (IHE)
- Other Entities

ECPC Guiding Principles

1. Evidence based interventions delivered with **fidelity** across providers and settings





2. High Quality Coordinated **Pre-Service & In-service**



3. Common set of evidence based, measurable, and authentic **personnel standards** across **disciplines**





4. Personnel preparation and professional development agencies are **knowledgeable** and **skilled** in **EBP** as implementation of strategies of adult learning

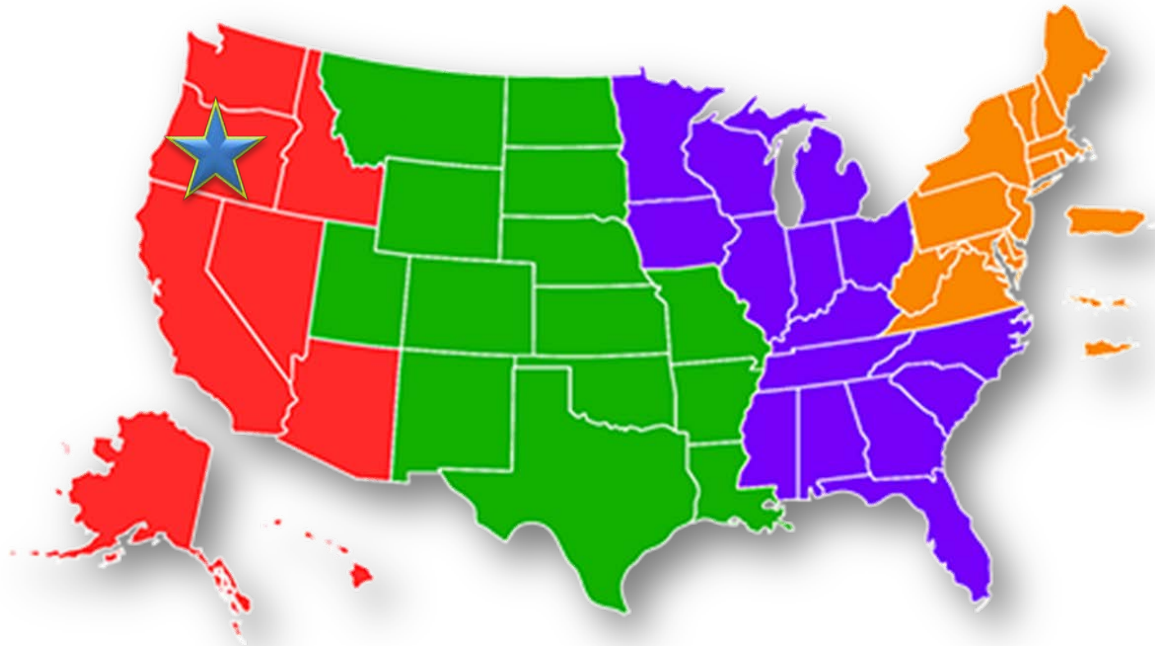
5. Comprehensive
System of
Personnel
Development
as **Quality
Indicator**

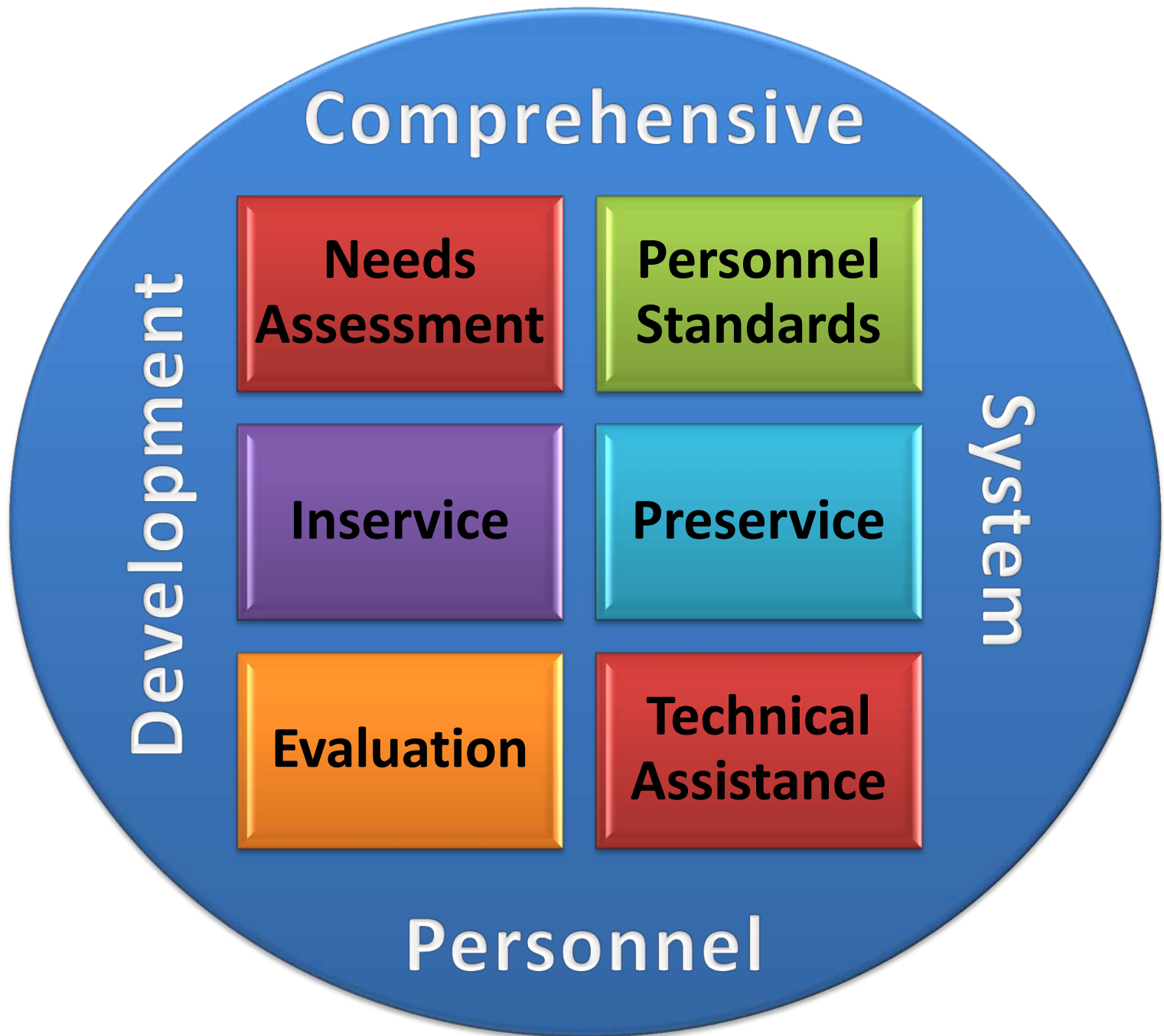


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State chosen from the **Western Region** is

OREGON





CSPD Component Information For Oregon

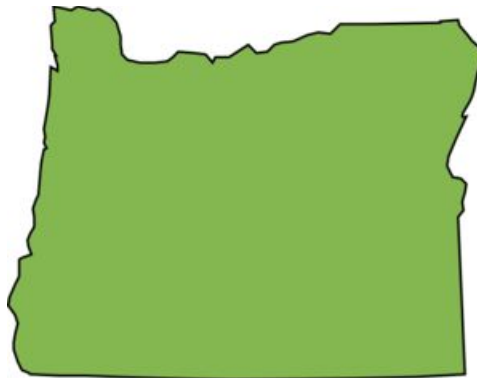
What Components of a CSPD are Currently Adequately Addressed within Oregon?

CSPD Components								
	Ongoing Needs Assessment	Appropriate Licensing and Certification	IHE programs to provide pre-service training	Ongoing, Systematic and Effective PD inservice opportunities	Evaluation	A Data System for Personnel	TA Availability	Dissemination
Part B & C	No	Yes	Yes	No	No	No (In Development)	No	No

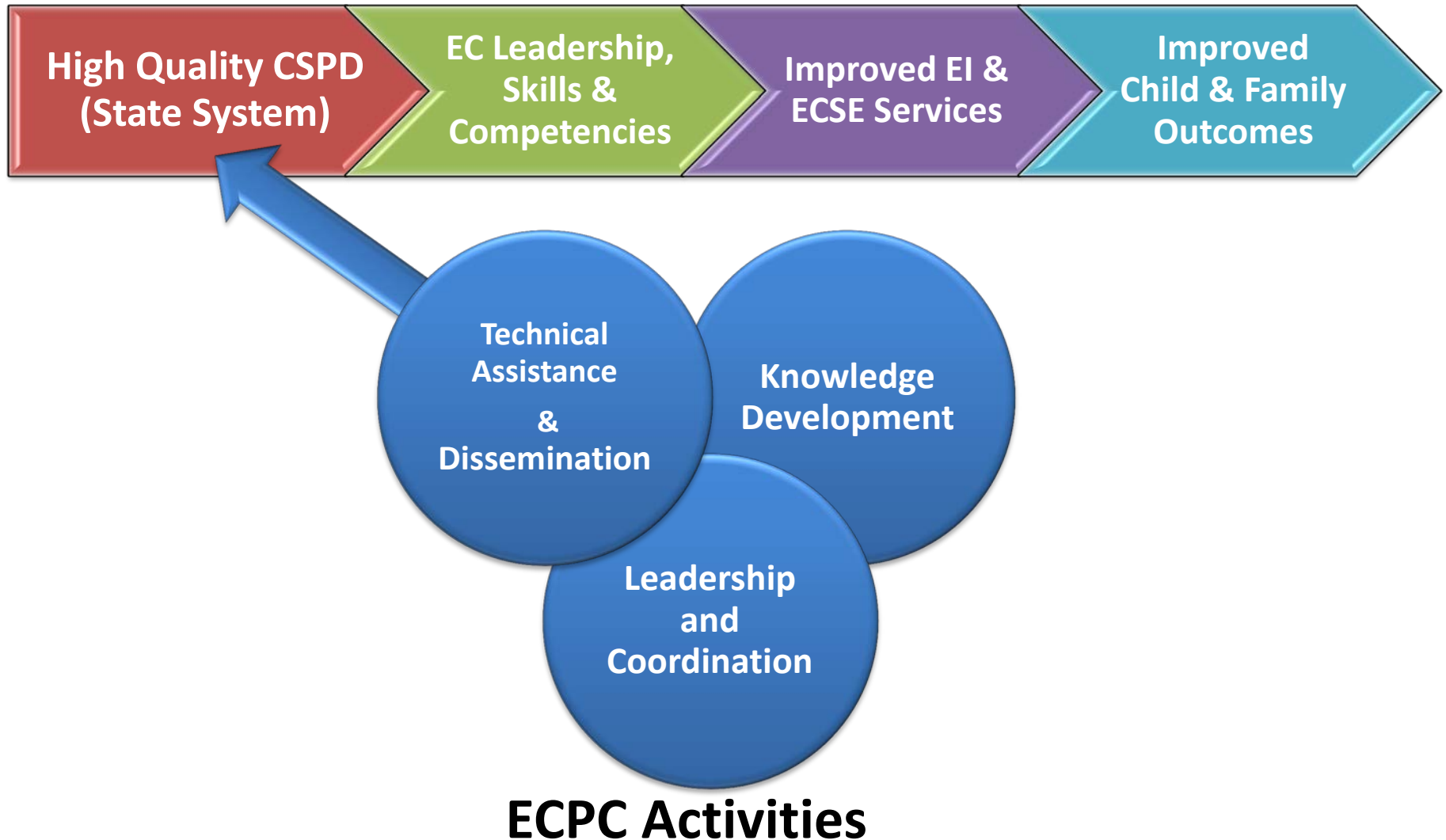
*Focus in Oregon is on building a system that is aligned and integrated with the larger Early Childhood Education (ECE) system rather than building a parallel system.

Top CSPD Priorities for Oregon

- Needs assessment across disciplines
- Ongoing, systematic and effective professional development inservice opportunities
- Core set of standards for all professionals working within EI/ECSE (not discipline specific)



Theory of Change



Develop a Framework Model



*Showcase Exemplar
Components and Processes*

*Augment Components
If Needed*

Phases

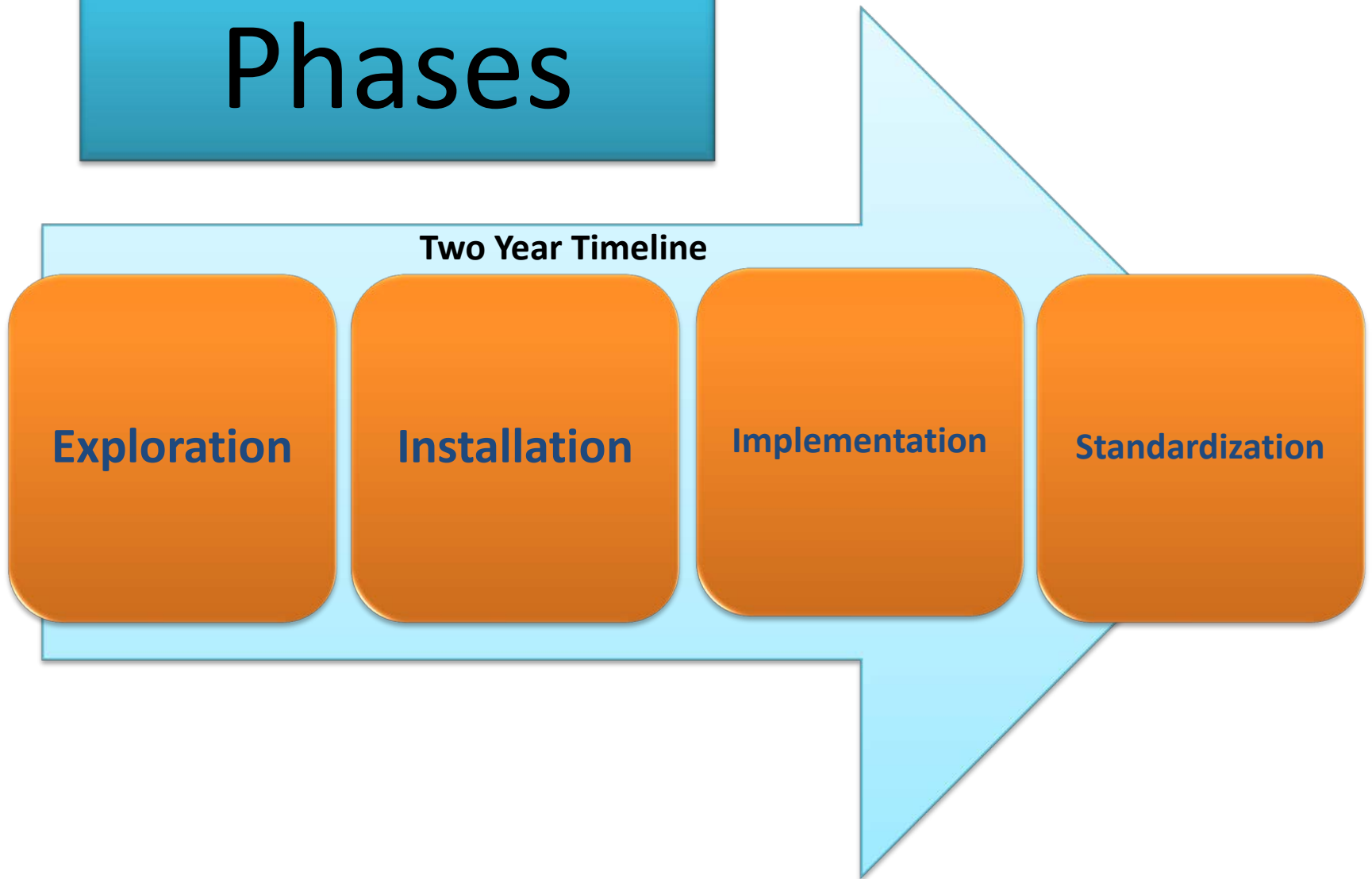
Two Year Timeline

Exploration

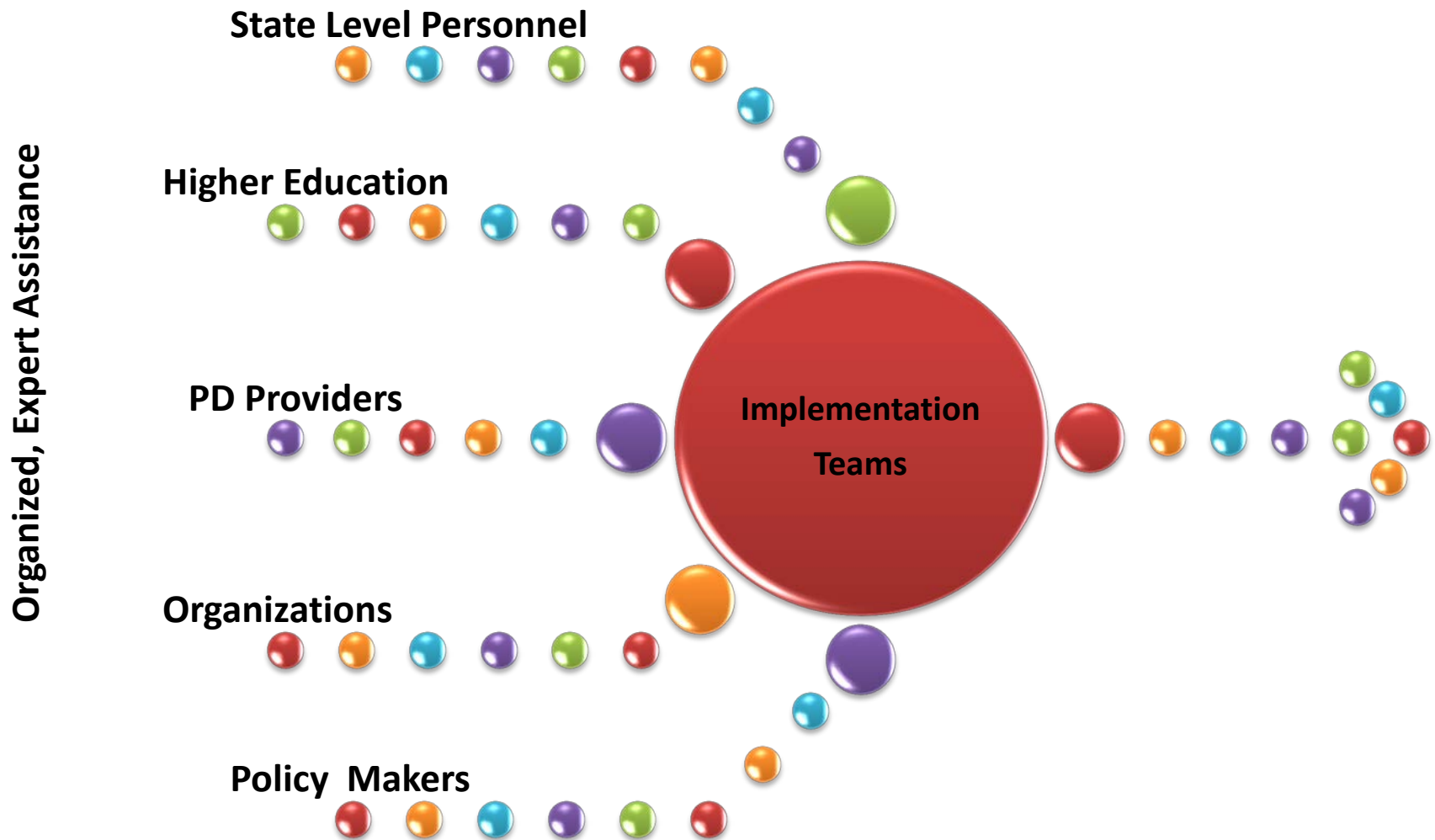
Installation

Implementation

Standardization



Support Needed for an Effective System Infrastructure



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- **How to Ask a Question**
 - You can ask a question by pressing the * then # key to request the floor. Questions will be answered in the order they are received.
 - Type your questions into the ‘Chat’ box below the slides and the moderator will read the questions.

Visit the Websites

- AUCD Website: <http://www.aucd.org>
- EIEC SIG Website: <http://www.aucd.org/eiec>

Questions about the EIEC SIG?

- EIEC SIG Co-Chairs
 - Mary Beth Bruder: bruder@uchc.edu
 - Corry Robinson: Cordelia.Rosenberg@ucdenver.edu

Questions about the Webinar?

- Anna Costalas: acostalas@aucd.org

Please take a few minutes to complete our survey!