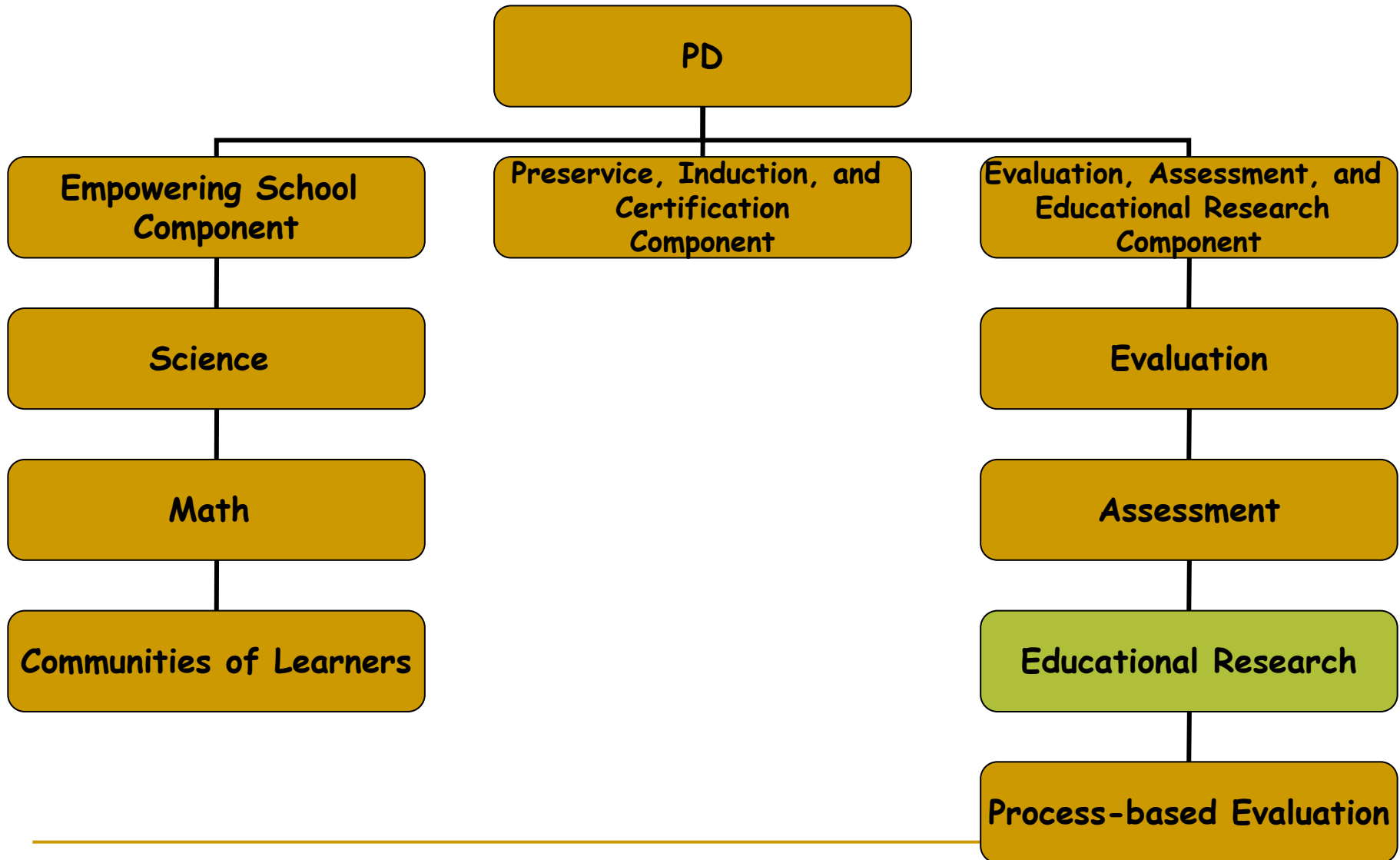

Educational Research Sub-Component

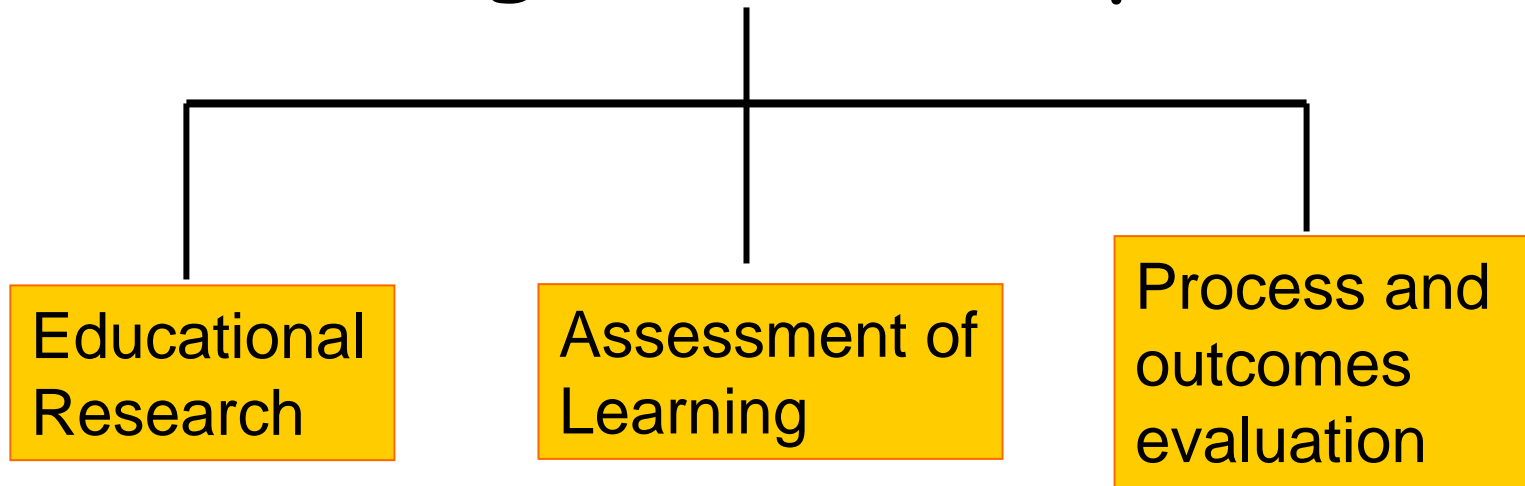
By Ana Helvia Quintero



Organizational structure



Knowledge Base Component



GOAL:

Improve the knowledge base of the education system in Puerto Rico by means of assessment, evaluation and research on M&S teaching and learning processes to yield new insights that inform improvements in educational decision making, in collaboration with national efforts of the NSF MSP Learning Network.

Objective 1: To establish an island wide research agenda that help to attain the PRMSP goals

ACTIVITIES

1) Identify main lines of research

The Knowledge Base Component by working closely with the School

Empowerment Component

(School, Curriculum and Professional

Development), have identified four main lines of research.

Lines of Research

- What works and does not work for the learning of math and science of different kinds of students
 - Effectiveness of the PRMSP Professional Development Program to promote teachers' learning
 - Promoting cultural conditions in schools that support transfer of learning
 - Collaboration in the building of an effective partnership
-

ACTIVITIES

(continuation)

- 2) Create a written documents explaining the agenda to guide our work.
 - 3) Presentation of the agenda to professors and graduate students to get involved in research along these lineshave began.
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Presentations

- ❑ A presentation in a mathematics congress, called SIDIM (February 28-04).
 - ❑ Presentations at the UPR-Río Piedras Campus School of Education's graduate school (April 12 and 26-04).
 - ❑ From these activities we gather information of the graduate students' thesis interest so as to start an information base with possible allies in the research agenda.
 - ❑ We plan to continue these presentations at the various Campuses of the Alacima principal allies.
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Objective 2: To support the
development of the
infrastructure for on-going
educational research

Activities

1) Creation of research groups

- Observations during summer workshops to identify possible research questions
- Identification of professors and teachers that want to do action research

2) Support the publication of articles

- Meetings with people that developed dissertations related to PRMSP goals.
- Consultations and translation to publish articles in peer journals

3) Promote networking among the Puerto Rican researchers, and with the international community
