

The University of Texas at San Antonio

An Emerging Research University, The Next Great Texas University



Presentation given by Mr. Albert Carrisalez and Dr. Bob Gracy to
Greater Chamber
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Why are National Research Universities Important?

- Attract and retain talent, companies, and venture capital
- Alumni have established start up companies
- Enhance the quality of life for communities
 - For Example, Claritas Inc. reports that the current percent population, 25 years and older, with a Bachelors degree or higher in San Antonio is 15%, Austin is 26%.
- Imagine the City of Austin without UT-Austin
- Texas exported 10,163 high school students to doctoral granting universities in other states.
- If Texas had its proportional share of Federal R&D and venture capital investment, it would gain \$3.7 billion per year



□ Source: D.E. Daniel, "Thoughts on Creating More Tier One Universities in Texas"

Three National Research Universities in Texas

- Texas currently has 3 institutions that are members of the Association of American Universities (AAU), by invitation only.
 - ▣ The University of Texas at Austin
 - ▣ Texas A&M University
 - ▣ Rice University
- “There is a need for Texans to have access to more top quality national research universities” -THECB

AAU “is a nonprofit organization of 62 leading public and private research universities in the United States and Canada. Founded in 1900 to advance the international standing of U.S. research universities, AAU today focuses on issues that are important to research-intensive universities, such as funding for research, research policy issues, and graduate and undergraduate education. AAU works to maintain the productive partnership between the nation’s research universities and the federal government. The major activities of the association include federal government relations, policy studies, and public affairs.”



□ Source: Association of American Universities, <http://www.aau.edu/>

The 7 Emerging Research Universities in Texas

	Research Sponsored Programs <u>FY 07-08</u>	Current Ph.D. Programs	Current Ph.D. Degrees Awarded
Texas Tech University	\$52.2 million	60	221
University of Houston	\$78.1 million	51	262
University of North Texas	\$14.5 million	49	211
The University of Texas at Arlington	\$39.6 million	33	153
The University of Texas at Dallas	\$46.5 million	28	111
The University of Texas at El Paso	\$42.0 million	14	35
The University of Texas at San Antonio	\$32.3 million	21	61

- As of 2009, UTSA currently has \$52 million in sponsored programs, 451 doctoral students, 10 doctoral programs pending and/or in the planning stages. It takes an average of 4-6 years to produce a doctoral graduate.



- Source: Texas Higher Education Coordinating Board (THECB)

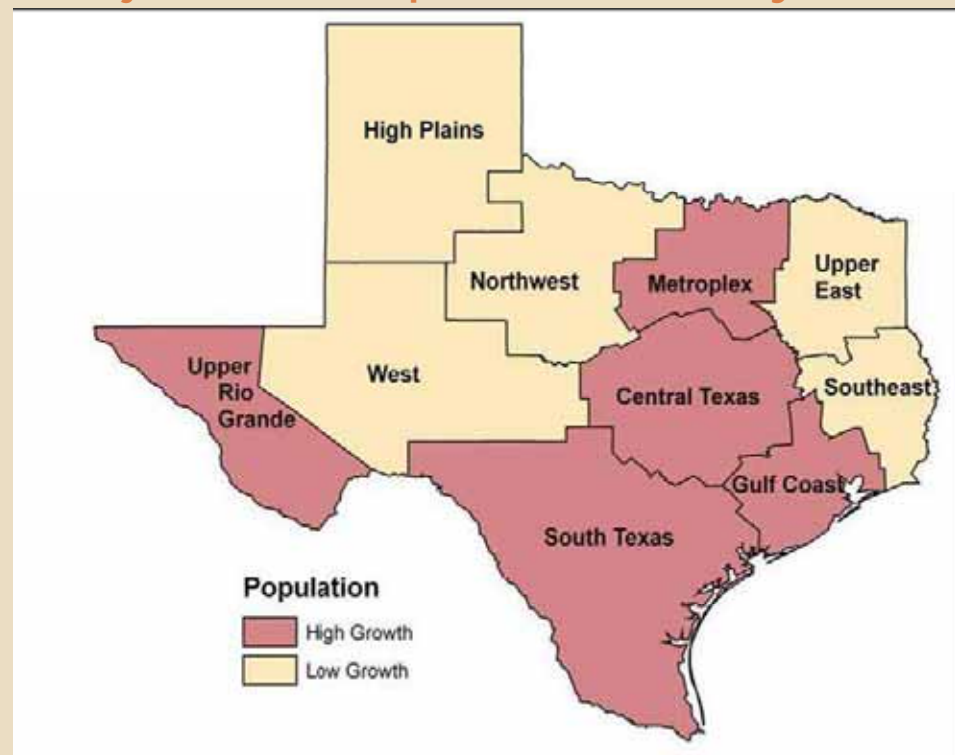
THECB Evaluation Criteria for Emerging Research Universities

- ❑ Federal Research Expenditures per year
- ❑ Number of Doctoral Degree Programs offered
- ❑ Number of Doctoral Degrees Awarded per year
- ❑ Number of National Academy members and faculty awards
- ❑ Regional and statewide needs for population and economic development

Population growth is an important consideration for deploying national research universities

- The Metroplex will experience the greatest increase in traditional college age population (18-24): 78,000
- Gulf Coast and South Texas will experience increases in this population of 46,000 and 33,000, respectively

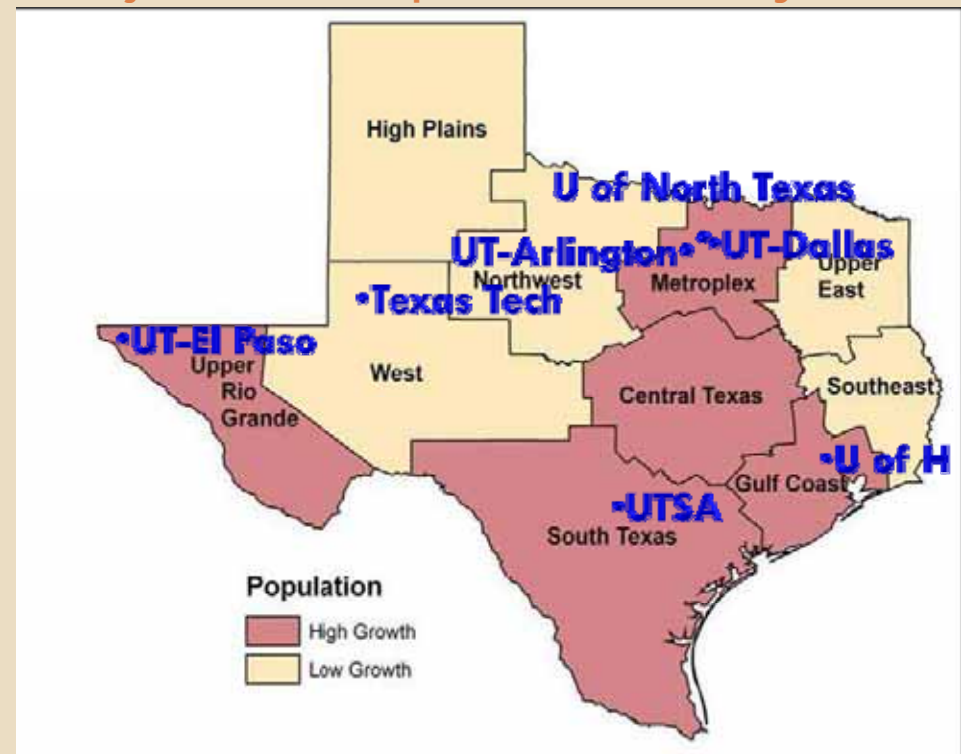
Higher Education Regions Based on Projected Total Population Growth by 2015



Location of 7 Emerging Research Universities

- Texas must systematically invest in cultivating future national research institutions that take full advantage of existing resources and strengths in the context of demographic and economic factors

Higher Education Regions Based on Projected Total Population Growth by 2015



UTSA...One of The Next Great National Research Universities

- ❑ 5th largest institution in the State of Texas.
- ❑ 2nd largest institution in The UT System.
- ❑ Fastest growing university in the State of Texas.
- ❑ Highly diverse student population, listed as a federal Hispanic Serving Institution (HSI).
- ❑ Ranks 1st in the U.S. in graduating Hispanics in Life Sciences.
- ❑ Now one of the state's leaders in funded research in the biological and biomedical fields.

Community Research Partnerships...

□ RESEARCH

- ▣ San Antonio Life Science Institute with UTHSC-SA
- ▣ Center for Military Medicine with Brooks Army Medical Center
- ▣ Southwest Foundation for Biomedical Research

□ HEALTH

- ▣ South Texas Center for Emerging Infectious Diseases
- ▣ Institute for Aging Research
- ▣ UTSA Neuroscience Institute
- ▣ San Antonio Institute for Cellular and Molecular Primatology
- ▣ Institute for Bioengineering and Translational Research

Community Research Partnerships...

- SECURITY

- Institute for Cyber Security (ICS)
- Center for Infrastructure Assurance and Security (CIAS)
- Center for Advanced Computing and Network Research
- Institute for Demographic and Socioeconomic Research

- ALTERNATE ENERGY/SUSTAINABILITY

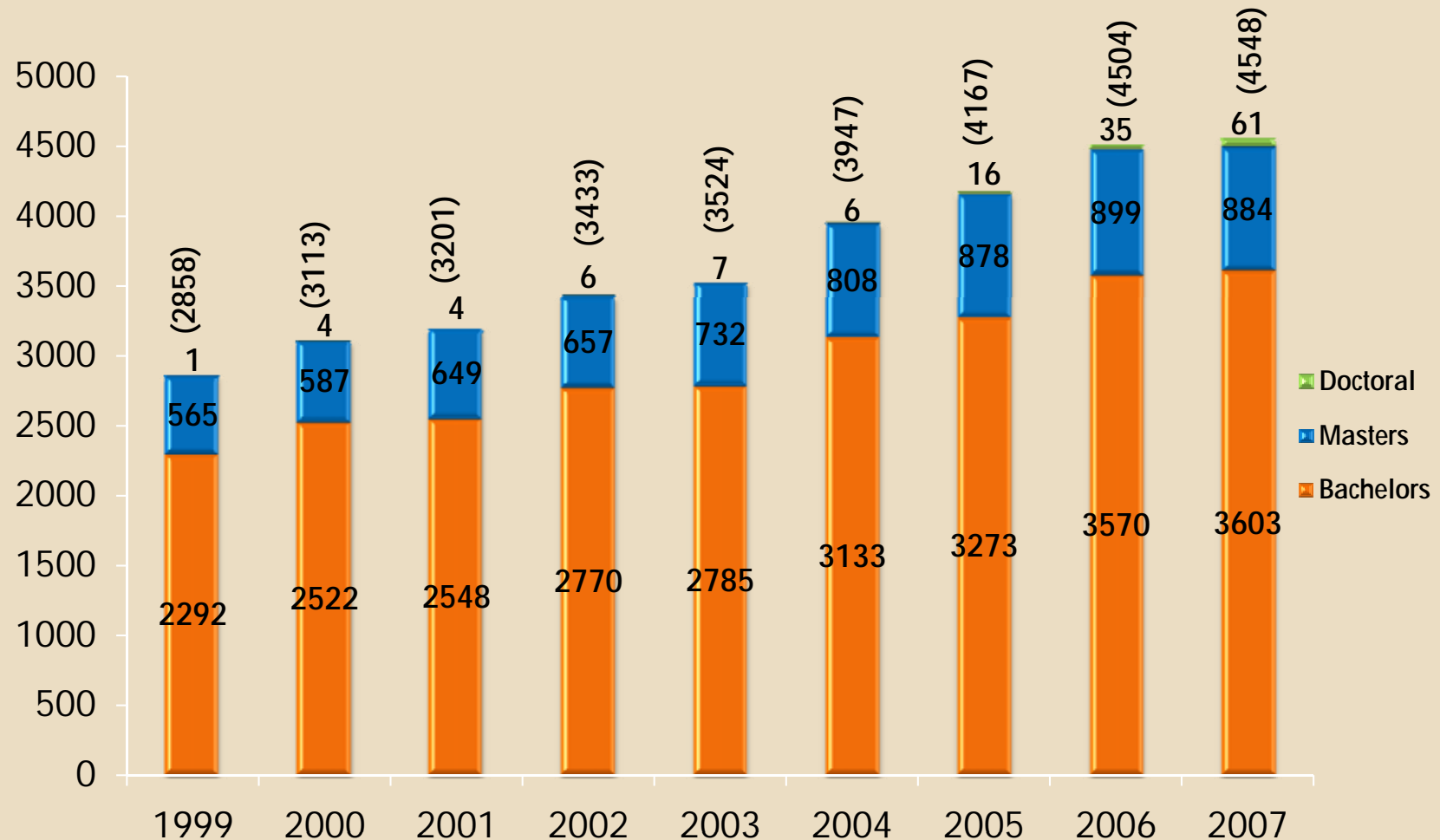
- Institute for Conventional, Alternate and Renewable Energy
- Center for Water Research
- Center for Advanced Manufacturing & Lean Systems

Community Research Partnerships

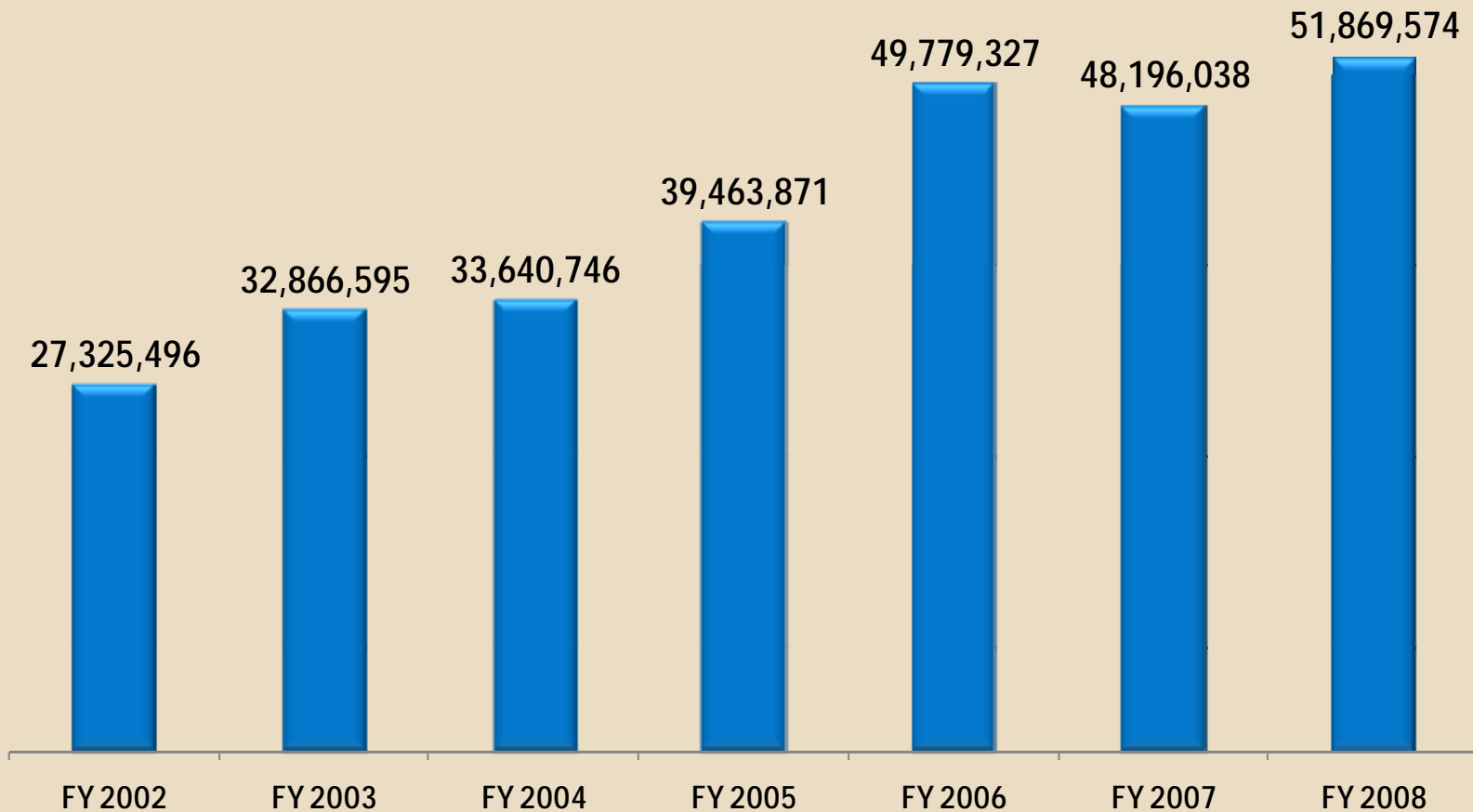
- COLLABORATIVE DEGREE PROGRAMS
 - ▣ UTHSC-SA (Ph.D., Biomedical Engineering)
 - ▣ Southwest Research Institute (Ph.D., Physics)
 - ▣ UT Brownsville (Ph.D., Physics)
 - ▣ UT Permian Basin (Ed.D. Educational Leadership)
 - ▣ ACCD (facilitation pathway to a four-year degree)

- HUMAN & SOCIAL DEVELOPMENT
 - ▣ Institute for Music Research
 - ▣ Center for Archeological Research
 - ▣ Child and Adolescent Policy Research Institute
 - ▣ Culture and Policy Institute

Degrees Awarded 1999-2007



Total Sponsored Program Funds



Includes research and fellowship support.

Source: UTSA Office of Grants and Contracts Administration and UTSA Office of Research Development.

Legislation currently filed HB 51, by Branch

- A BILL TO BE ENTITLED AN ACT relating to funding and other measures to support emerging public *research universities* in developing and maintaining *programs* of the highest tier.
- This Bill will:
 - Direct THECB to determine an amount the board considers appropriate to fund programs for emerging research universities. It outlines requirements for awarding state funds to be used as matching grants. To receive matching grants a university must:
 - Demonstrate a commitment to improve their national rankings.
 - Demonstrate a contribution to the states competitiveness and to the global economy.
 - Demonstrate a commitment to undergraduate research.
 - Have strong community support for the research mission.
 - THECB may award a grant to
 - Match money that the university receives in connection with a major research grant
 - Match money that the university commits to the recruitment or retention of faculty or research staff
 - Support merit based student scholarships
 - Support graduate student fellowships
 - Support faculty professorships and chairs
 - Support acquisition and maintenance of research infrastructure
 - To match money available to the university, obtained or pledged, from private or community sources

TBD – Senate Version of this bill by Zaffirini

- State Senator Judith Zaffirini:
 - ▣ Appointed Chair of States first Senate Higher Education Committee
 - ▣ Worked over the past year in conjunction with 7 University Presidents and THECB on pathway to national research university status
 - ▣ Serves on Senate Appropriations Committee

You can help by sharing the message that...

- ❑ UTSA is an Emerging Research University with the potential to do more.
- ❑ UTSA is expanding its research community partners
- ❑ UTSA resides in a community with a strong research infrastructure (*only city in Texas to compete for NBAF and the National Cyber Command Center*).
- ❑ The military continues to play a critical research role.
- ❑ The timing could not be better.