

# UC DAVIS

## OFFICE OF GRADUATE STUDIES



## Utilizing Data from the NRC Data Based Assessment of Research Doctorates

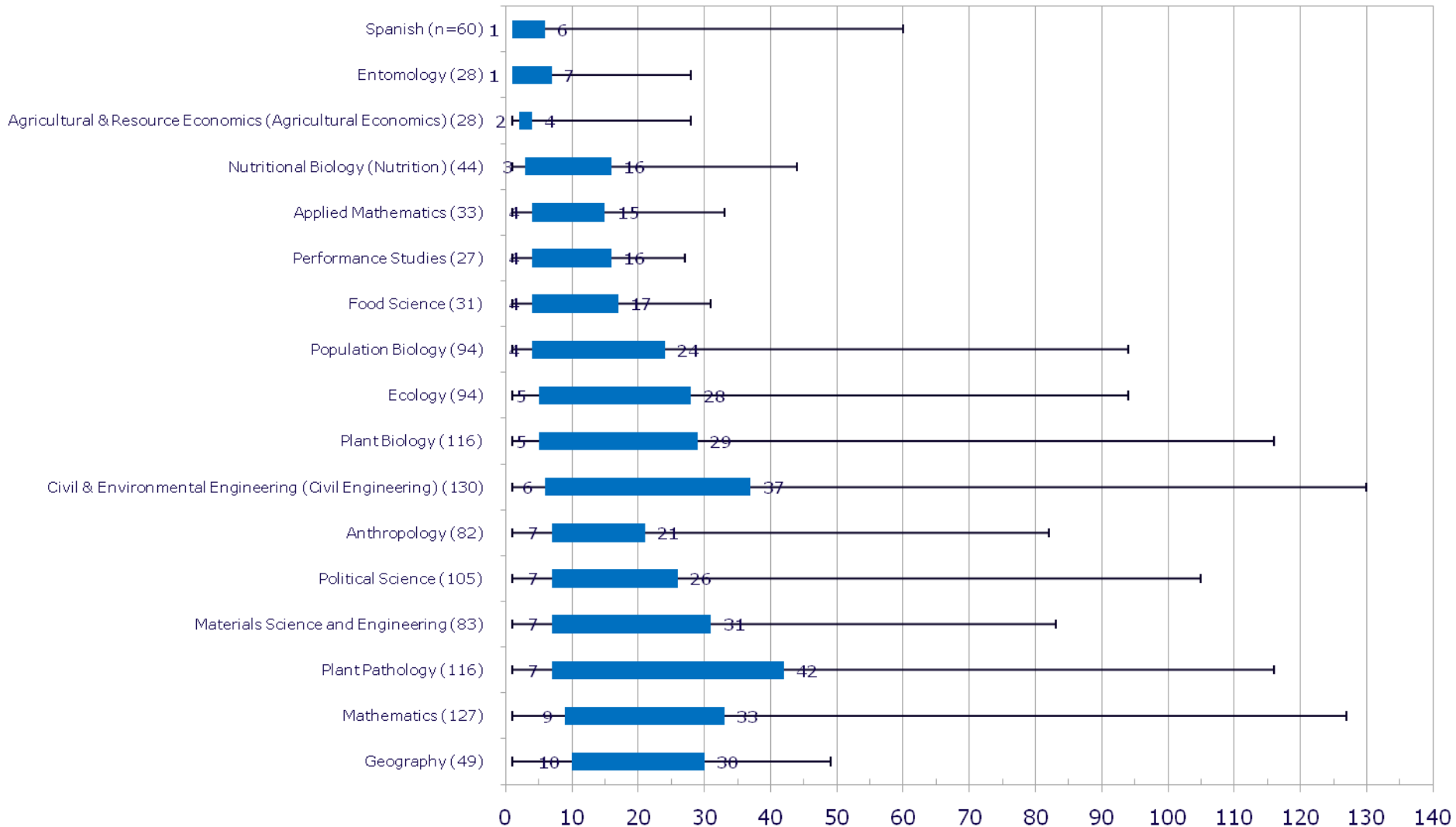
**Jeffery C. Gibeling**  
Dean - Graduate Studies

**2010 CGS Annual Meeting**  
Washington, DC

# Overall Campus Discussion Strategy at Release

- Brief Chancellor and Provost
- Brief Council of Deans and Vice Chancellors
- Brief Graduate Council
- Brief graduate program chairs and interested faculty
- Provide press release with highlights
- Share results and analyses with UC Office of the President
- *Compete with gubernatorial debate for attention on release day*

### NRC S-Rankings for *SELECTED* UC Davis programs by Numeric Rank



### UC Davis – Percentile Rankings

**KEY:**

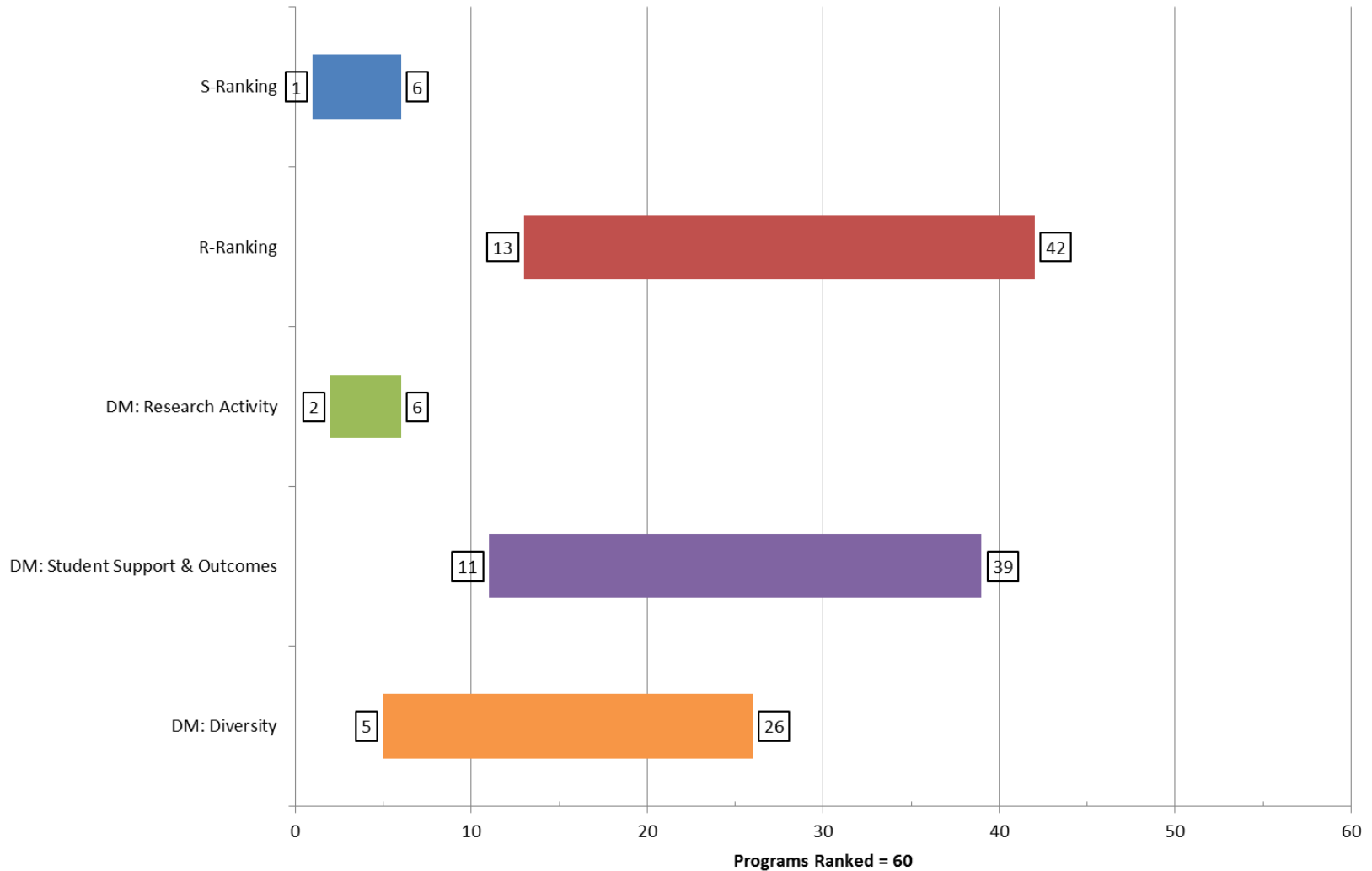
NRC Broad Field	NRC Field <i>UCD Program [program range of rankings]</i>	NRC's 5th Percentile Ranking						NRC's 95th Percentile Ranking					
		↓ Percentile Distribution of Rankings in Field ↓						↓ Percentile Distribution of Rankings in Field ↓					
		5%	10%	1st Q	2nd Q	3rd Q	4th Q	5%	10%	1st Q	2nd Q	3rd Q	4th Q
Example	NRC Field - VALUES = Cut-off of percentile rankings →	1	3	7	12	20	30	3	7	16	42	50	60
NRC	<b>YELLOW</b> = Range of rankings in top 5% of field overall	x	x	x				x	x	x			
Broad	<b>BLUE</b> = Range of rankings in top 10% of field overall		x	x					x	x			
Field	<b>PINK</b> = Range of rankings in top 25% of field overall			x						x			
	<b>GREEN</b> , program name not highlighted - Range of rankings as high as 2nd Quartile overall				x						x		
	<b>PURPLE</b> , program name not highlighted - Range of rankings as high as 3rd Quartile overall					x						x	
	<b>GREY</b> , program name not highlighted - Range of rankings as high as 4th Quartile overall						x						x
	<b>MIXED SCORES:</b>												
	The range of rankings for a program does not always fall within the same set of percentiles within the distribution. In such instances, the program's range can only be reported in terms of the highest range in which both rankings fall. For example:												
	<b>Mixed 5% and 10% scores</b> = range in top 10% of field overall	x	x	x					x	x			
	<b>Mixed Q2 and Q1 scores</b> = range in 2nd Quartile of field overall				x					x			

### Next Steps

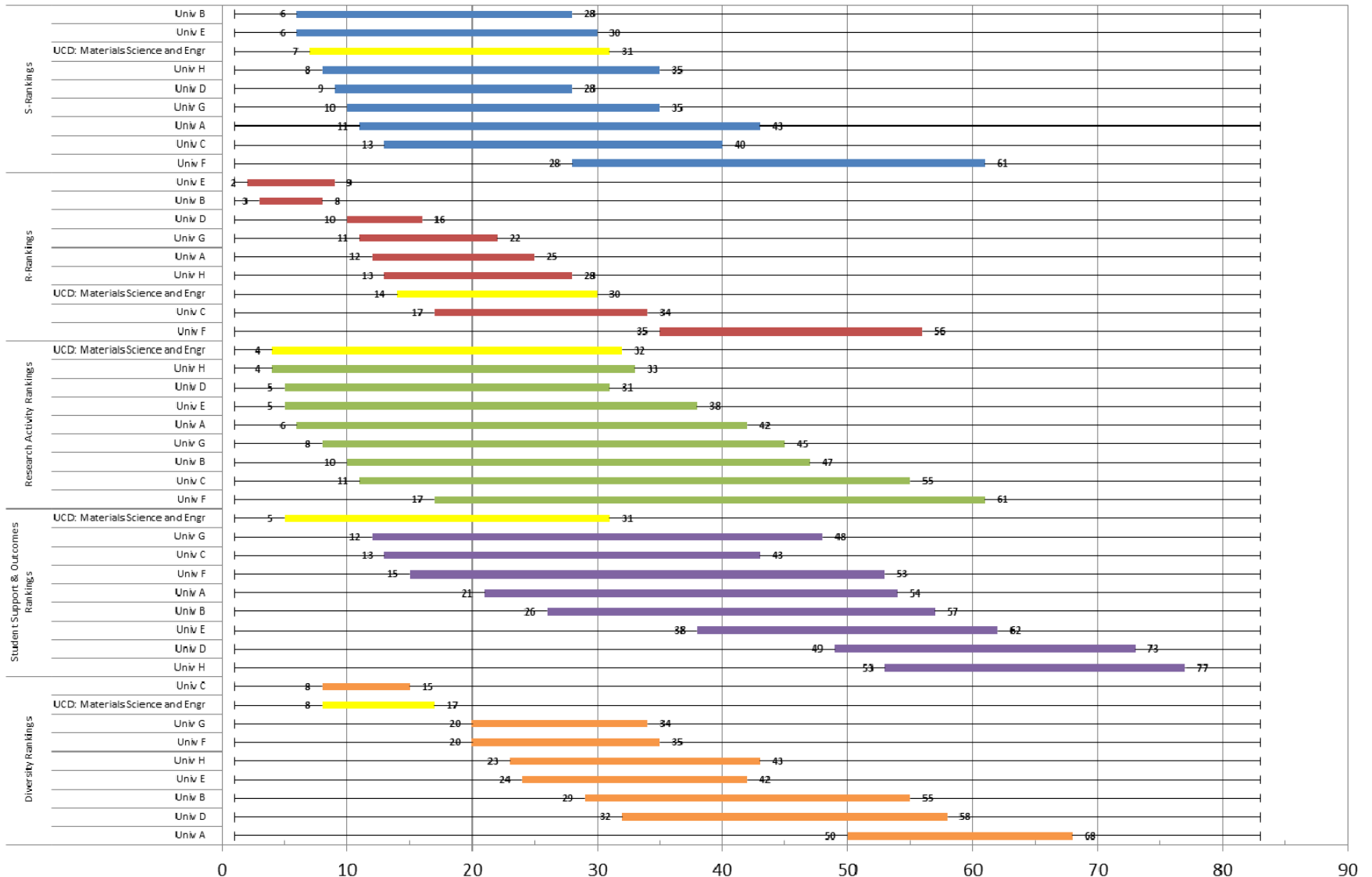
- **Continue to examine data for any anomalies**
- **Prepare package of information for each program including data for comparison institutions**
- **Meet with graduate program faculty or graduate affairs committees to understand data**

# Program Ranges of Illustrative Rankings

## Spanish



### NRC Comparison Institutions: Materials Science and Engineering



# The Twenty Key Program Variables

### Research Activity

- **Publications**
- **Citations (exc. Humanities)**
- **Percent faculty with grants**
- **Awards per faculty**

### Student Support and Outcomes

- **Percent 1st Yr. full support**
- **Percent completing in 6 yrs. or less (8 yrs. for humanities)**
- **Median time to degree**
- **Students with academic plans**
- **Collects outcomes data**

### Diversity of the Academic Environment

- **Percent faculty minority**
- **Percent faculty female**
- **Percent students minority**
- **Percent students female**
- **Percent students International**

### Others

- **Percent Interdisciplinary**
- **Average GRE-Q**
- **Number of PhDs 2002-2006**
- **Student workspace**
- **Student health insurance**
- **Student activities**
- **Percent national fellowships**



## Student Productivity and Impact Rankings

**Publication Rate: #papers/student/year =**  
**#papers/#faculty/year \* #faculty/#students**

**Student Impact: #citations/student/year =**  
**#papers/#student/year \* #citations/paper**