





ion





- □ The Association of University Research Parks reports that research parks in the US and Canada comprise roughly 40,000 acres of land with developed space approaching 95 mm square feet, employing 230,000 people.
- □ The majority of these parks were created within the last 15 years, and therefore any assessment of the group's performance from a real estate perspective may be premature.
- □ Recent spate of research park projects and state initiatives are a response to trends that have emerged within higher education nationally and state economic development nationally. These include the following:



□ Key Drivers

- > State budget crunch
- > Perceived value of university intellectual property
- > State responses to globalization
- Successful parks in key states
- ➤ Market demand filling out the food chain

□ Designed to promote R&D activities

- ➤Pure private
- ➤ Pure public
- ➤ Public-private

They promote knowledge industries, create collaboration with universities and provide a unique operating location for leading-edge companies. UARPs serve as locations where industry clusters can emerge leveraging university research, community development assets and private sector partners.

□Requirements

- ➤ Leadership
- > Research Base
- ➤ Building Blocks
- > Involvement of Private Sector (capital and tenant recruitment)

□Efforts w/o these will be challenged

- Good ideas in bad locations
- ➤ Lack of leadership
- > No real assets upon which to build program



OVERVIEW OF SELECTED RESEARCH/TECHNOLOGY PARKS JANUARY 30, 2006

* Denotes information updated

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NAMELOCATION	APPILIATIONSPONSOR	CONTACT INFORMATION	MISSION/FOCUS	POUNDED	SIZE	NUMBER OF COMPANIES		PARCEL SIZE	TOTAL CSPI BUILDING SIZE	SPACE SIZE
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Select Research Park Overview Information

	Current acreage	Planned Total Acreage	Number of buildings in Park	Current developed square footage (1,000 sf)	Is the Park Master- Planned?	Restrictive Covenants
Arizona State University Research Park	324	na	23	1,700	Yes	Yes
Georgia Tech - Enterprise Park	11	50 +	1	180	Yes	Yes
Penn State - Innovation Park	118	118	8	750	Yes	Yes
Saskatchewan - Innovation Place	80	na	18	1,000	Yes	Yes
University of Arizona Science and Technology Park	1,345	1,000	15	2,000	Yes	Yes
University of Nebraska Technology Park	137	137	4	145	Yes	Yes
University of Wisconsin, Madison - University Research Park	255	544	34	1,500	Yes	Yes
Virginia Tech Corporate Research Center	120	210	19	685	Yes	Yes
Wake Forest University (IdeaAlliance)	45	211	5	519	Yes	Yes
Washington State - Tri-Cities Science & Technology Park	4,000	4,000	300	3,400	No	No



	Business Services	Information Technology	Life Sciences (Bio, Pharma Ag)	Health Sciences	Research and Development	Engineering
Arizona State University Research Park	52%	3%	1%	12%	32%	0%
Georgia Tech - Enterprise Park	0%	0%	50%	0%	0%	50%
Penn State - Innovation Park	12%	19%	12%	0%	41%	17%
Saskatchewan - Innovation Place	8%	33%	25%	8%	17%	8%
University of Arizona Science and Technology Park	2%	56%	0%	0%	2%	41%
University of Nebraska Technology Park	79%	15%	4%	0%	0%	3%
University of Wisconsin, Madison - University Research Park	19%	19%	38%	9%	8%	8%
Virginia Tech Corporate Research Center	na	na	na	na	na	na
Wake Forest University (IdeaAlliance)	16%	30%	45%	9%	0%	0%
Washington State - Tri-Cities Science & Technology Park	na	na	na	na	na	na

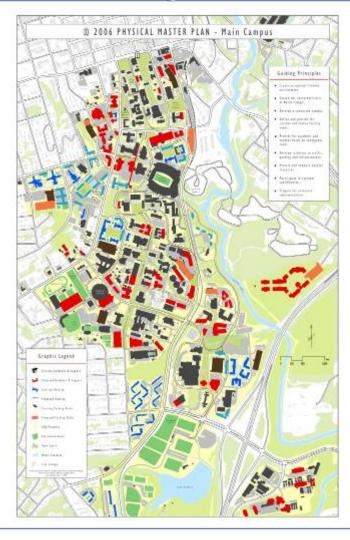


Tenant Mix – Select Research Parks

	Business Services	Information Technology	Life Sciences (Bio, Pharma Ag)	Health Sciences	Research and Development	Engineering
Arizona State University Research Park	52%	3%	1%	12%	32%	0%
Georgia Tech - Enterprise Park	0%	0%	50%	0%	0%	50%
Penn State - Innovation Park	12%	19%	12%	0%	41%	17%
Saskatchewan - Innovation Place	8%	33%	25%	8%	17%	8%
University of Arizona Science and Technology Park	2%	56%	0%	0%	2%	41%
University of Nebraska Technology Park	79%	15%	4%	0%	0%	3%
University of Wisconsin, Madison - University Research Park	19%	19%	38%	9%	8%	8%
Virginia Tech Corporate Research Center	na	na	na	na	na	na
Wake Forest University (IdeaAlliance)	16%	30%	45%	9%	0%	0%
Washington State - Tri-Cities Science & Technology Park	na	na	na	na	na	na



Research Park Planning at The University of Georgia



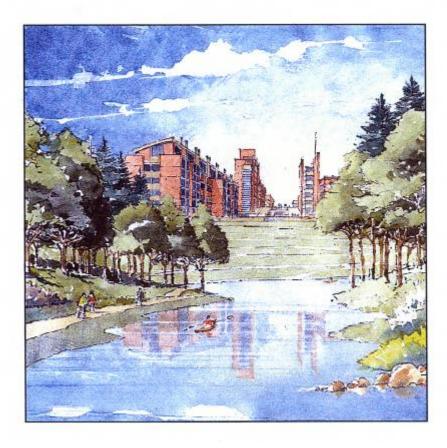


"Statistical analysis show there is a direct relationship between the proximity of the Research Park to the University and the probability that the academic curriculum will shift from basic toward



Albert N. Link, UNC John T. Scott. Dartmouth





Riverbend Research Village













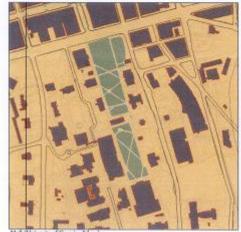






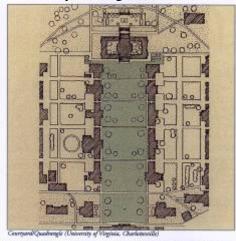
Berlin, Germany





University of Georgia

University of Virginia





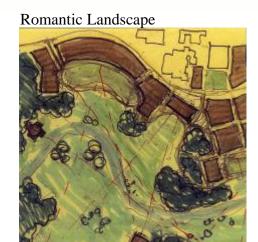
Versailles, France

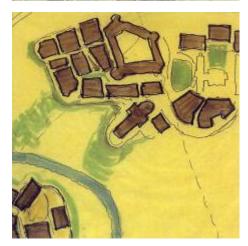
Washington, D.C.



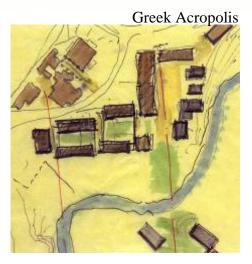


The Acropolis, Athens, Greece











American Campus





Desired Research Park Campus Aesthetic



Riverbend Research Village Master Plan









TOWN CONC	EPT	
Existing to Remain	Proposed Building	Parking
West Town 303,000 sq.ft.	1,078,000 sq.ft.	5,184
East Town 281,000 sq.ft.	1,687,000 sq.ft.	5,946
Total 584,000 sq.fr.	2,765,000 sq.ft.	11,130

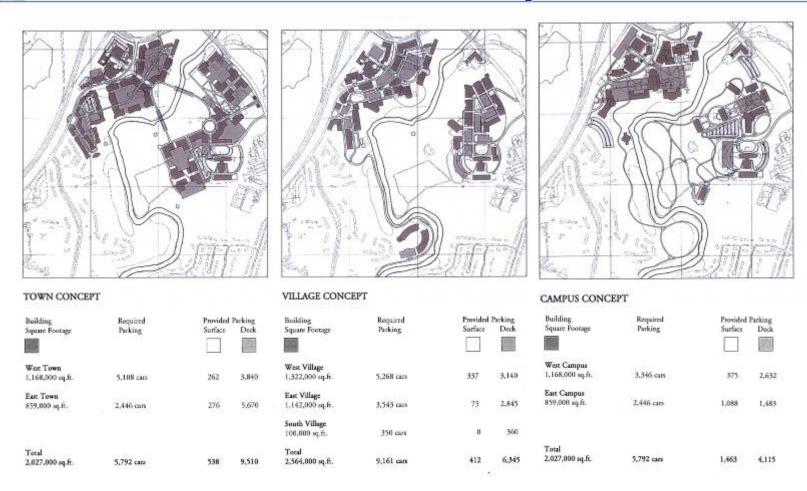
6.0000000000000000000000000000000000000		
Existing	Proposed	
to Remain	Building	Parking
West Village		
261,000 sq.ft.	1,061,000 sq.ft.	3,477
East Village		
206,000 sq.ft.	936,000 sq.ft.	2,920
South Village		
0 sq.ft.	1,687,000 sq.ft.	360
Total		
467,000 sq.ft.	2,097,000 sq.ft.	6,757

VILLAGE CONCEPT

Existing	Proposed	
so Remain	Building	Parking
West Campus		
273,000 sq.ft.	895,000 sq.ft.	3,007
East Campus		
281,000 sq.fr.	578,000 sq.ft.	2,571
Total		
554,000 sq.ft.	1,473,000 sq.fr.	5,578

Conceptual Plans

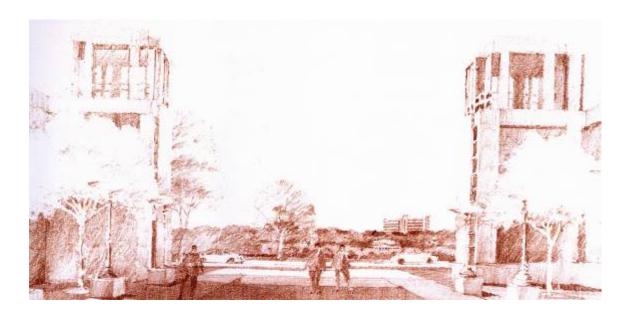




Conceptual Plans - Parking

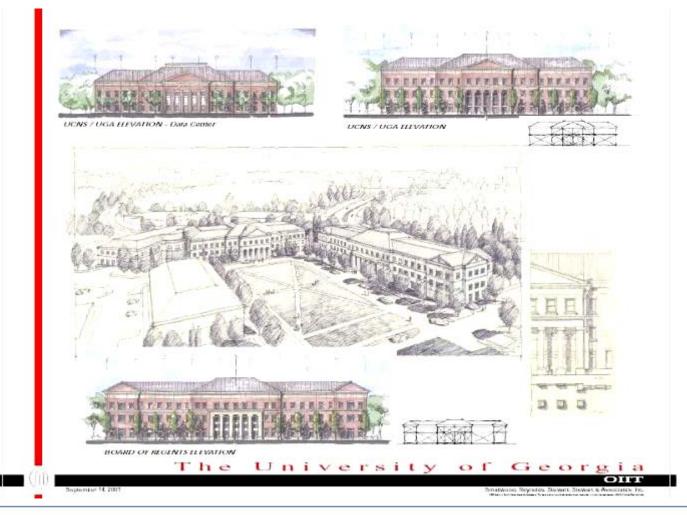








Center for Applied Genetics Technology







Complex Carbohydrate Research Center





Hardin Property Acquisition





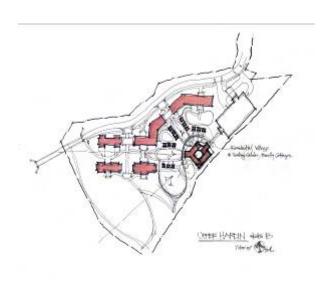












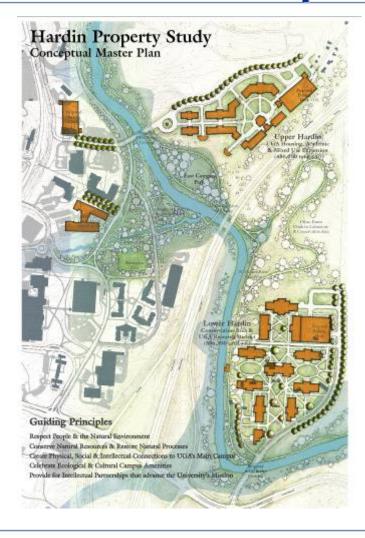




Preliminary Planning Concepts







- » How is Research Park Planning affecting your Campus?
- » How are you dealing with it as a Planner?
- » Is the Campus Planning department involved?
- What impacts do Research Parks have on the academic missions of their Universities?
- » Do Research Park initiatives take funds away from Capitol Outlay Projects?
- » What funding mechanisms exist to cover the cost?
- » What does the future hold for Research Park Campuses?



