

CHILE

Selected Indicators of Economic and Social Development

<i>Population</i>	<i>15,150,000</i>	<i>(2002)</i>
<i>GNP Per Capita</i>	<i>4,700</i>	<i>(USD 2002)</i>
<i>Infant Mortality</i>	<i>9.12</i>	<i>(Deaths/1000 live births, 2002)</i>
<i>Poverty rate</i>	<i>20</i>	<i>(% of pop., 2000)</i>
<i>Unemployment rate</i>	<i>8.5</i>	<i>(%, 2003)</i>
<i>Literacy rate</i>	<i>96</i>	<i>(%, 2003)</i>
<i>Primary School enroll</i>	<i>99</i>	<i>(% school-aged children)</i>
<i>Secondary School enroll</i>	<i>69</i>	<i>(% school-aged children)</i>
<i>Life expectancy at birth</i>	<i>76</i>	<i>(years, 2000-2005)</i>





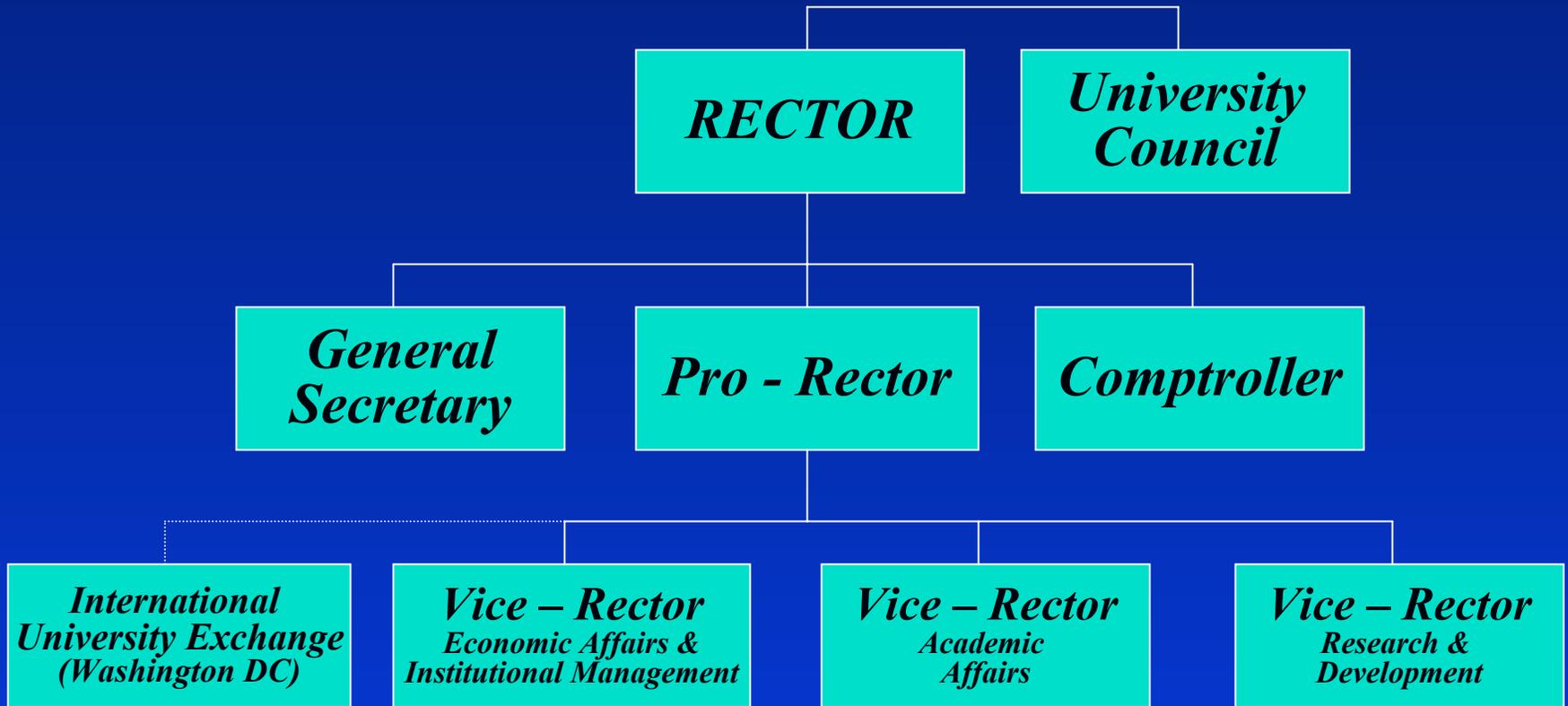
UNIVERSITY of CHILE

- *Main Institution of Higher Education*
- *20,000 Undergraduate Students*
- *3,000 Graduate Students (Masters and Ph.D.'s)*
- *40% of national ISI articles*
- *37% of research competitive funds awarded by the National Commission of Science and Technology (CONICYT)*





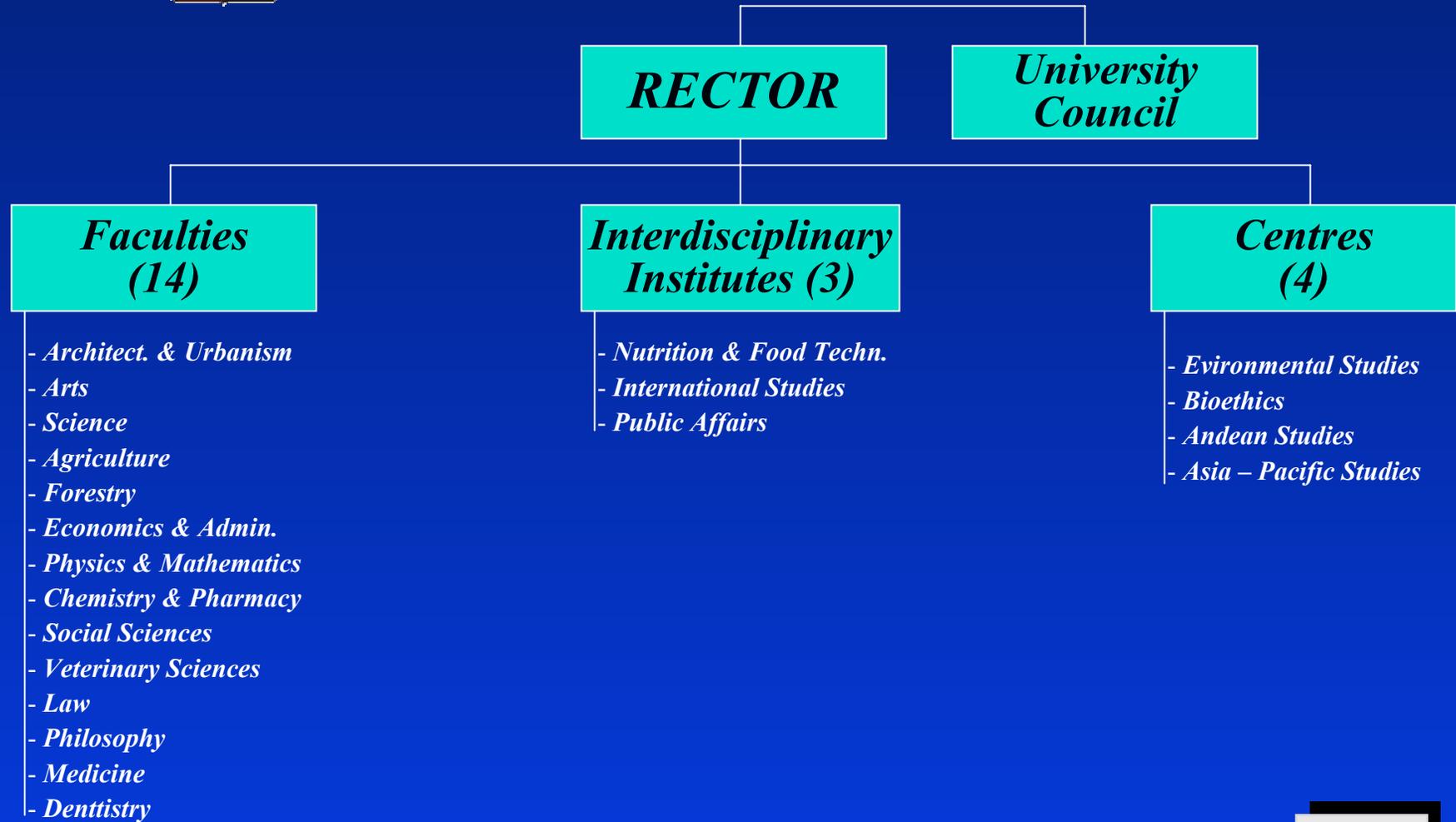
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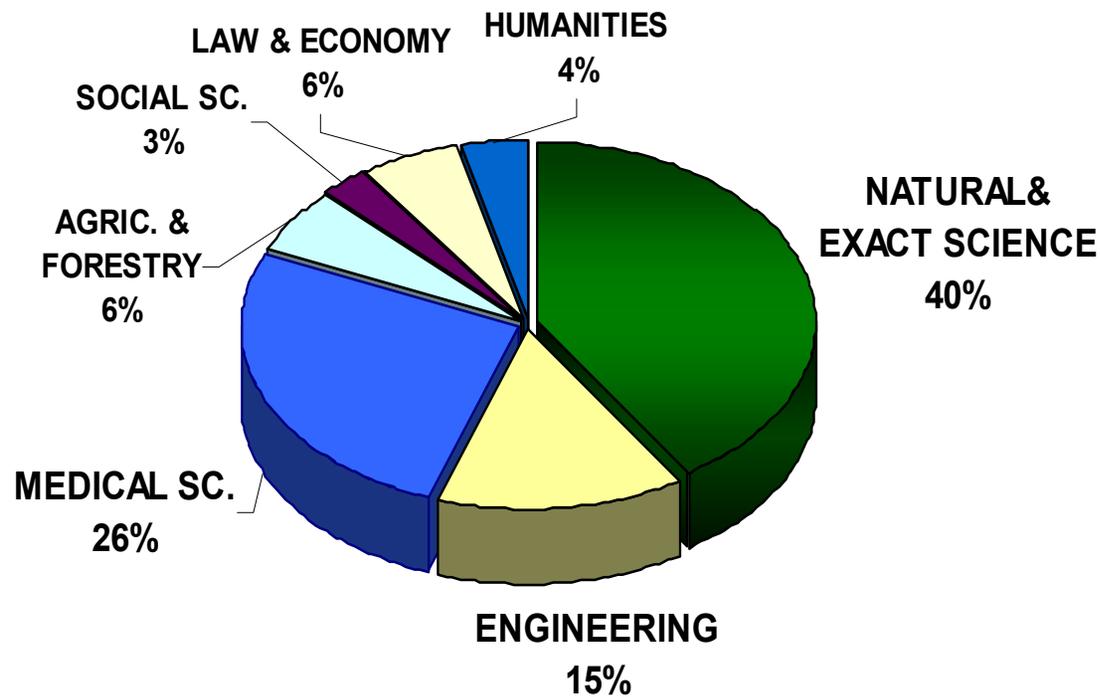
Academic Organization





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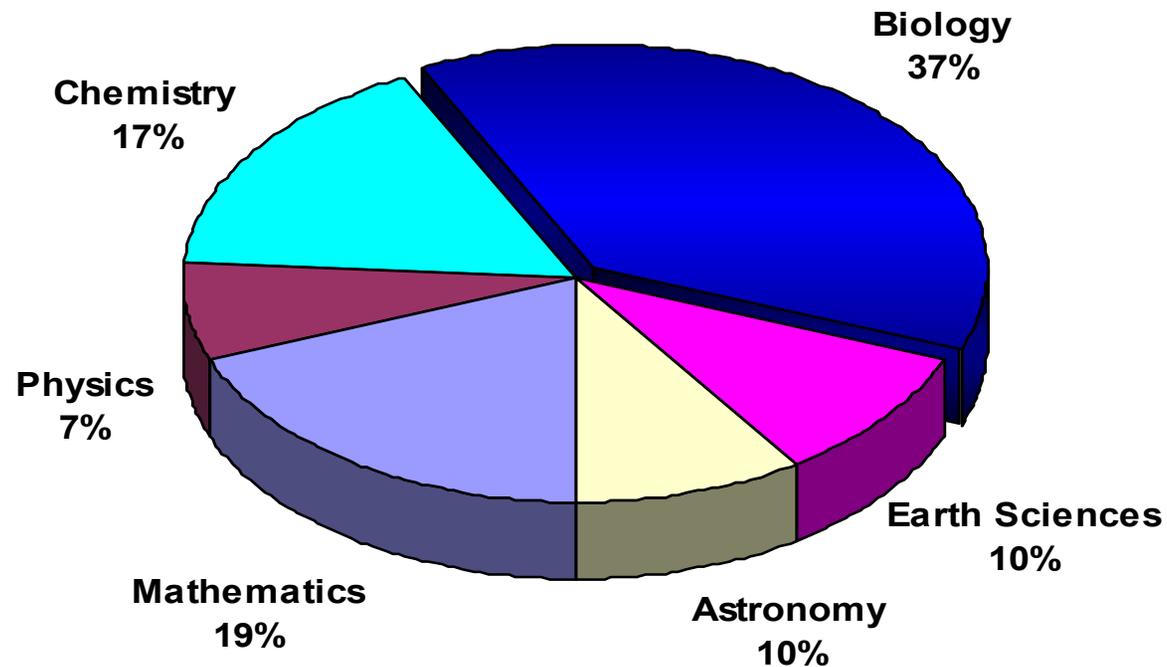
RESEARCH PROJECTS AT THE UNIV. OF CHILE BY MAIN DISCIPLINES 2002





UNIVERSITY of CHILE

DISTRIBUTION OF DISCIPLINES WITHIN NATURAL AND EXACT SCIENCES



CHILE

Indicators, Research and Development

R & D as %GNP 0.7

Scientists & Engineers/million people 364

SOURCES OF FUNDING:

<i>- Government</i>	<i>70 %</i>	<i>- Private Sector</i>	<i>18%</i>
<i>- Foreign</i>	<i>6%</i>	<i>- NGO'S</i>	<i>6%</i>

EXECUTION:

		<i>Scientists %</i>
<i>- Higher Education</i>	<i>49%</i>	<i>70</i>
<i>- Government</i>	<i>40%</i>	<i>20</i>
<i>- Private</i>	<i>10%</i>	<i>6</i>



University of Chile Innovation Projects to Strengthen Partnership

Science and Technology Park

- In development on a 1.000 hectares land at the Lo Aguirre Valley outside Santiago.*
- To stimulate start-up and growth of technologically knowledge-based business and facilitate links between university and industrial research.*



University of Chile Innovation Projects to Strengthen Partnership

FONDEF

CONICYT competitive fund for research projects related to:

- Transfer of knowledge and techniques to the productive sector.*
- Joint proposals between researchers and private enterprise (20% counterpart).*
- Prorities in areas of productive national interest.*



University of Chile Innovation Projects to Strengthen Partnership

FONDEF : Selected ongoing Projects

- *Mathematical Modeling: Industrial application of Neuronal Networks.*
- *Antarctic Studies: Project EIMS (Environment Information and Modeling System).*
- *Interphase-Dynamical models in Fusion, Conversion and Refinement of Copper.*
- *Development of a Sustainable Forest Plantation of “Sequoia Sempervivens”.*
- *Integrated Production of Chilean Wine through Intelligent Instrumentation and Innovative Managerial Technology.*
- *Ocean Studies: Dynamics of Atmosphere and Climate.*
- *Technologies for Fast Detection of Marine Natural Toxins (Red Tides).*



University of Chile Innovation Projects to Strengthen Partnership

World Bank Millennium Science Initiative

Three Millennium Scientific Institutes of Excellence

1. MILLENIUM INSTITUTE FOR ADVANCED STUDIES IN CELL BIOLOGY AND BIOTECHNOLOGY, UNIVERSITY OF CHILE.

- *Research in Cell and Molecular Biology, Neurobiology and their Projections into Biomedicine and Biotechnology.*
- *Doctoral Training.*
- *Industrial Development, bridges to Biotechnology Industry.*
- *National and International partnerships.*



University of Chile Innovation Projects to Strengthen Partnership

World Bank Millennium Science Initiative

Three Millennium Scientific Institutes of Excellence

- 2. CENTER FOR SCIENTIFIC STUDIES, VALDIVIA.*
- 3. INSTITUTE FOR FUNDAMENTAL AND APPLIED BIOLOGY, CATHOLIC UNIVERSITY.*



University of Chile Innovation Projects to Strengthen Partnership

European Union Sixth Framework Programs for Research and Technological Development

- *Chile is an associated country.*
- *The University of Chile participates in networks of excellence and integrated projects in the areas of:*
 - *Genomics and Biotechnology for Health.*
 - *Information Society Technologies.*
 - *Nanotechnologies and Nanosciences.*
 - *Food Safety.*
 - *Sustainable Development.*
 - *Economics and Social Sciences.*



University of Chile Innovation Projects to Strengthen Partnership

International University Exchange, Inc.

*Non Profit Corporation of The University of Chile in
Washington D.C. 501 (c)(3)*

- *To stimulate international partnership in the programs and projects of The University of Chile.*
- *To mobilize external resources through collaborative activities with academic and scientific Institutions, Foundations, Corporations and International Organizations.*

