



EUTRAIN

Pontificia Universidad Católica de Chile (UC) Presentation

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Chilean Research Structure

- 90% in Universities

- ➔ Pontificia Universidad Católica de Chile

- ➔ University of Chile

Both account for 70% of total research





■ Funding

- Chilean Government through different agencies: depends of how theoretical or applied is the research.

- Enterprises for more applied research





Chilean Research Structure

■ Transport Research

- The leading Institutions are the same
- But UC, has a greater academic staff and a more established and larger graduate programme (MSc and PhD) and more funds for research
- Other small groups are starting

Universities of Concepción, Diego Portales, Los Andes and Catholic University of Valparaíso





Main Research Areas at UC and U of Chile

■ Urban transport

- Demand modelling
- Public transport and BRT systems
- Traffic flow theory

■ Socio Economic Evaluation

- Valuing transport externalities





Main Research Areas at UC and U of Chile

■ Freight transport and logistics

→ Intelligent transport systems

→ Urban Logistics

■ Air transport

→ Logistics, planning and management





International Cooperation

- Leads Volvo Centre of Excellence in BRT
 - ➔ MIT, University of Sydney , Technological University of Lisbon, EMBARQ

- Partners in TEMPO Project
 - ➔ Large international group under leadership of TOI (Norway)





■ Led TRL (UK) and University College London Research:

Research onto the Value of Traffic Signals Coordination in a developing country

■ Led IDRC with Montreal University Research:

Aplication of Quantitative Methods to the Analysis and Evaluation of Urban Transport Systems in Santiago and other Cities in Chile".





Latin American Cooperation

■ With

Pontificia Universidade Católica de Rio de Janeiro, Brasil

Universidad de Popayan, Colombia

Universidad del Norte, Colombia





¿How to start?

- European funds and funds from each country.
- Teams from both continent work in projects
- To choose relevant areas of research for each country and groups of countries (Latin-Americans are more heterogeneous than Europeans imagine)
- Post graduate programs are essential: co-tutorials from Latin América and Europe





Pontificia Universidad Católica de Chile

- **Research amongst many countries will be slow**
- **Relevant areas I foresee:**
 - Urban Public Transport: BRT, Undergrounds, Semimetros and modes integration
 - Traffic Modelling and Management
 - Interurban Planning and Management of Transport: privatization, modes integration, sincerity of hidden subsidies to road transport, etc.
 - Land Use and Transport: Urban sustainability.





Many thanks

