



UNIVERSIDAD DE LAS PALMAS
DE GRAN CANARIA



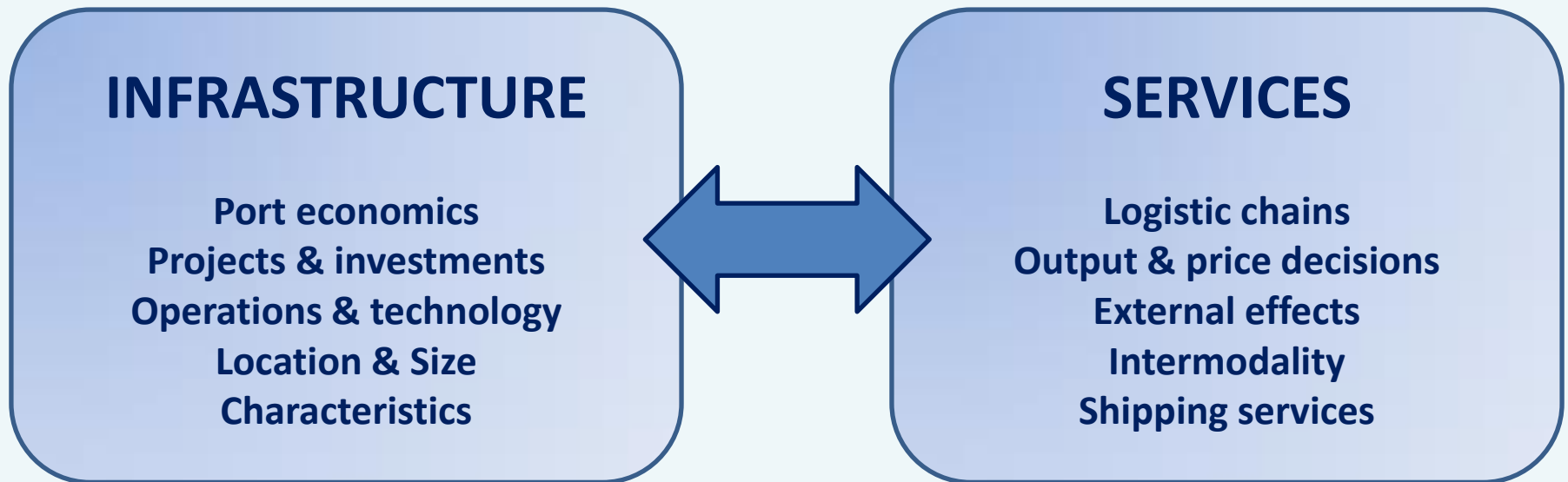
Economics of Infrastructure and Transport Research Group (EIT)

University of Las Palmas de Gran Canaria (ULPGC)
Canary Islands, Spain

MOVE 1st Brokerage Event
SOFIA, March 6, 2017

EIT

- Two major areas of research in transport economics:



Maritime transport viewed as a piece in the transport system

Our comparative advantage

- Both geography and history make **Canary Islands** a well-positioned place to carry out transport studies.
 - A very open economy: tourism and trade contribute to more than 75% of GDP: 98% of the external trade is carried out by sea.
 - The Seaport of La Luz, in Gran Canaria ranks 4th in Spain and is among the largest in West Africa.

The ULPGC expertise

- **The ECONOMICS OF INFRASTRUCTURE AND TRANSPORT (EIT) is a University of Las Palmas (ULPGC) research group which specializes in transport economics.**
 - EIT currently includes 10 senior researchers, 9 PhD students and 2 technical assistants.
 - EIT members teach at ULPGC and other centers both undergraduate and graduate courses in Economics, Business, Tourism and Engineering.
 - EIT carries out projects and contracts for several institutions and publishes its research results at leading scientific journals in this area.

Our experience (1/6)

Selected EIT maritime related research projects

(1) CHALLENGES FOR PORTS AND MARITIME TRANSPORT IN SPAIN: AN EMPIRICAL VIEW. MINISTRY OF ECONOMY AND COMPETITIVENESS (2016-2017)

(2) BUSINESS MODELS FOR ENHANCING FUNDING & FINANCING INFRASTRUCTURE IN TRANSPORT. EUROPEAN COMMISSION (2014-2016)

(3) MOTORWAYS OF THE SEA AT THE EU: AN ECONOMIC ANALYSIS OF THEIR PORTS. MINISTRY OF SCIENCE AND INNOVATION (2012)

(4) PORT MANAGEMENT MODELS AND THE PORT COMMUNITY IN THE ATLANTIC. MINISTRY OF EDUCATION AND SCIENCE (2012)

(5) CARIBBEAN REGIONAL STRATEGY ON LOGISTICS, MARITIME TRANSPORT AND TRADE FACILITATION. INTER-AMERICAN DEVELOPMENT BANK (2012)

(6) SOCIO-ECONOMIC AND FINANCIAL APPRAISAL OF TRANSPORT PROJECTS. MINISTRY OF DEVELOPMENT (2011)

(7) DEVELOPMENT OF AFRICAN PORTS: OPPORTUNITIES AND MENACES FOR THE CANARY ISLANDS. GOVERNMENT OF THE CANARY ISLANDS (2011)

(8) EFFICIENCY AND REGULATION OF PORTS: INTERMODALITY AND INTEGRATION IN THE EU NETWORK. MINISTRY OF EDUCATION AND SCIENCE (2011)

Our experience (2/6)

Selected EIT maritime related contracts

- (1) COST-BENEFIT ANALYSIS OF TRANS-SHIPMENT SERVICES AT GRAN CANARIA SEAPORT (2012)
- (2) ECONOMIC STUDY OF THE IMPACT OF SHIPPING AND STEVEDORING AT GRAN CANARIA SEAPORT (2012)
- (3) WORLDBANK'S BENCHMARKING IN AFRICAN PORTS (2011)
- (4) WORLDBANK'S BENCHMARKING IN LATIN AMERICAN PORTS (2011)
- (5) PORTS, LOGISTICS AND TRADE IN AFRICAN PORTS (2011)
- (6) PRODUCTIVITY INDICES OF THE PORT INDUSTRY IN URUGUAY (2010)
- (7) INSTITUTIONAL LESSONS FOR DEVELOPING COUNTRIES OF DECENTRALIZED EU PORT MANAGEMENT (2010)
- (8) THE ECONOMIC ACTIVITY OF GRAN CANARIA SEAPORT AND THE PRICE OF CARGO (2009)

Our experience (3/6)

Selected EIT maritime related publications (I)

HERRERA, M., AGRELL, P., MANRIQUE, C., TRUJILLO, L. (2016): “Vessel capacity restrictions in the fleet deployment problem: an application to the Panama Canal”, *Annals Operations Research*.

PÉREZ, I., TRUJILLO, L., GONZÁLEZ, M. (2016): “Efficiency determinants of container terminals in Latin American and the Caribbean”, *Utilities Policy*.

SUÁREZ-ALEMÁN, A., MORALES SARRIERA, J., SEREBRISKY, T., TRUJILLO, L. (2016): “When it comes to container port efficiency, are all developing regions equals?”, *Transportation Research Part A*.

GUASCH, J.L., SUÁREZ-ALEMÁN, A., TRUJILLO, L. (2016): “Megaports’ concessions- The Puerto de Gran Escala in Chile as a case study”, *Case Studies on Transport Policy*.

CABRERA, M., SUÁREZ-ALEMÁN, A., TRUJILLO, L. (2014): “Public Private Partnerships in Spanish Ports: Current status and future prospects”, *Utilities Policy*.

SUÁREZ-ALEMÁN, A., TRUJILLO, L., CULLINANE, K. (2014): “Times at Ports in Short Sea Shipping: When timing is crucial”, *Journal of Maritime Economics & Logistics*.

Our experience (4/6)

Selected EIT maritime related publications (II)

SUÁREZ-ALEMÁN, A., TRUJILLO, L., MEDDA, F. (2014): “Short Sea Shipping as intermodal competitor: a theoretical analysis of European transport policies”, *Journal of Maritime Policy and Management*.

DE RUS, G., BETANCOR, O. (2012): “Cost-benefit analysis of port projects”, *Papeles de Economía Española*

HERNÁNDEZ, R.; TOVAR, B (2012): “Port competitiveness and connectivity: The Canary Islands main ports case”, Plymouth DT

TRUJILLO, L.; TOVAR, B. (2012): “Port terminal analysis: competition vs. regulation”, *Papeles de Economía Española*.

DE RUS, G., SOCORRO, M. P. (2012): “Access pricing, infrastructure investment and intermodal competition”, *FEDEA WP*.

TRUJILLO, L., DI VAIO, A. & MEDDA, F. (2011): “An analysis of the efficiency of Italian cruise terminals”, *International Journal of Transport Economics*

Our experience (5/6)

Selected EIT maritime related publications (III)

TRUJILLO, L., MEDDA, F. & GONZÁLEZ, M. (2011): “An analysis of short sea shipping as an alternative for freight transport”, *International Handbook of Maritime Economics*

CAMPOS, J., BETANCOR, O. (2010): “Practical issues in the economic appraisal of transport projects”, *Cuadernos Económicos del ICE*

DE RUS, G. et al. (2010): “Socio-economic appraisal of Sagunto seaport enlargement”, *WP CEDEX*

TRUJILLO, L. (2010): “African ports institutions and regulations”, *African Development Report (ADR)-2010*

TRUJILLO, L., GONZÁLEZ, M. (2010): “Maritime ports”, *International Handbook for the Liberalization of Infrastructures*

TRUJILLO, L., MEDDA, F. (2010): “Short Sea Shipping definition”, *Dictionary of Transport Analysis*

TRUJILLO, L., MEDDA, F. (2010): “An analysis of the determinants of Short Sea Shipping”, *Maritime Policy and Management*

Our experience (6/6)

Selected EIT maritime related publications (and IV)

DE RUS, G., TOVAR, B. & GONZÁLEZ, M. (2009): “The economic impact of Las Palmas Seaport”, *Ed. Civitas*

GÓMEZ-LOBO, A., GONZÁLEZ, M. & TOVAR, B. (2009): “The economics of fishing: a conceptual introduction and a review of world experiences”, ULPGC Book

GONZALEZ M., TRUJILLO, L. (2009): “Efficiency measurement in the port industry: a survey of the empirical evidence”, *Journal of Transport Economics and Policy*

RODRÍGUEZ-ALVAREZ, A., TOVAR, B. (2009): “Regulatory reform and efficiency in the Spanish port sector”, *U.Oviedo WP*

TRUJILLO, L., MEDDA, F. (2009): “A boost for short sea shipping: environmental and economic determinants”, *The Environmentalist*

GONZÁLEZ, M., TRUJILLO, L. (2008): “Reforms and infrastructure efficiency in Spain's container ports”, *Transportation Research*

ESTACHE A., TRUJILLO L. (2008): “Port privatization in Latin America: the good, the ugly and the unfair”, *Privatization* (Ed: Roland, G. J. Stiglitz)

ESTACHE A., TRUJILLO, L. (2008): “Global economic changes and the future of port authorities”, *Future Challenges for the Port and Shipping Sector*.

Areas of potential contribution

- Economic analysis of the **transport system** as a whole (EU regulation, competition, intermodality, connectivity, accessibility issues,...)
- Economic study of **specific maritime activities** (ports, logistics, fishing, shipbuilding, aquaculture, energy...)
- Economic valuation of **external effects** (pollution, noise, climate change...) related to the sea.
- **Technology efficiency analysis** (port & shipping industry) and new technologies implementation in large and small-sized firms
- Socio-economic appraisal of **investment projects** (ports, marines,...) and ex-ante or ex-post **evaluation of public policies**.

In short, what can we offer?

- In the context of the **EU Maritime Strategy in the Atlantic Area**, the **ULPGC** may...
 1. ...contribute to advanced training and research initiatives in transport economics.
 2. ...co-operate with national and international partners in EU programmes.
 3. ...provide support or perform studies on any maritime related economic activity.

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