High level infrastructure and logistics services planning - are marine insurers doing their job?
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- Insurance and reinsurance companies participate in all links in the infrastructure development process, except the planning phase
- Precisely in this planning phase the key decisions on the project are taken
- Being familiar with the planning (of infrastructures) makes it possible to anticipate how a given market (of services) will evolve

Types of PPP (Project Financing)

- BOT: build, operate , transfer
- DBOT: design, build, operate, transfer
- BOOT: build, own, operate, transfer
- DBFOT: design, build, finance, operate, transfer
- Etc.





During recent years, Governments have also been involved in logistics services planning

Example: What can logistics do for Peru?

Improve the
competitiveness of
exportsLogistics reduces the cost of exports, and can expand its
services to cover third countriesStrengthen the
country's brand at
international levelLogistics could improve Peru's position as a destination for
investment, associated with the efficiency of its production
and servicesCreate specialised
employmentLogistics creates net, stable employment; job specialisation
and favours employment stability

Contribute to regional development Logistics attract investments, opens new opportunities for connections, creates employment and avoids rural-urban migration, increasing producers' margins

Reduce the cost to the consumer

Logistics **reduces distribution costs** at national and urban levels, and can **favour the growth** of locally specialised SMEs

- Multiple experiences in Latin
 America
- Result: proposals involving insurance are not generally found, eg:
 - Pilot insurance programmes to involve certain agricultural SMEs
 - Incentives via microinsurance to formalise transport, etc.)



These infrastructure "megaprojects" present common problems:

Planning Project Gefinition LIP's Scharacteristics Barce: Flyvbjerg & Owie: Volume Unvolved Stake- Didders Diders Diders	Cost estimation*	 In 9 out of 10 projects, the costs were underestimated in the planning phase Average cost overrun on rail projects: 44.7% Average cost overrun on road projects: 20%
	Demand forecasts**	 90% of rail projects overestimated the demand with an average overestimate of 106% In more than 50% of highway projects the real demand differed by ±20% from the estimate
	Funding schemes	 Experience (multiple types of PPP, there is no evidence of better results if the private sector is responsible for the planning – but there are better results in construction and operation) Risk associated with the transport demand, very elastic Dependence on the overall economic context, not controllable by any of the parties Conflicts of interest between public and private Private sector contracting: results-oriented
	Environmental impact	 Lack of knowledge of the real environmental risks of these types of project Lack of precision in estimates Inadequate organisation, planning & institutional integration for the evaluation process

Example: Panama Canal





- Main transhipment ports in Caribbean Region: Panama Ports, Cartagena (Colombia), Kingston (Jamaica)
- Transhipment in Panamá: vessels to arrive 1 day early during which time containers which do not pass the canal can be offloaded and transferred to other routes
- Total turnover in Panamanian ports 6.63 million TEUs en 2012 of which 86% were transhipped to other vessels

- The main routes can be grouped into three main corridors: Transpacific, Transatlantic and Europe-Asia
- Mainly attended by global "ship builders / owners" that operate the so-called routes "Round the world"
 - These routes are made by high capacity vessel s(> 5.000 TEU), with few port calls
 - North-South routes connect the main routes with final markets

 These routes are operated by regional "ship builders / owners" or shipping lines from a bigger alliance

Main

routes

North-

South

Regional

- The ship builders / owners offer end-to-end services, connecting hub regional ports with local ports
- Regional routes operates specialized markets, such as Southamerican dorsal
- The ship builders / owners offer end-to-end services, connecting local destinations
- These routes are mainly operated by regional ship builders / owners



Logistics facilities at the Panama Canal



Example: Nicaragua Canal



Project Grand Canal

- Contractor and Operator: HK Nicaragua Canal Development Investment (HKND)
- Start of Concession: june 2013 for 50 years (+50 negotiable)
- Start of the work: 2014. Estimated duration: 11 years
- Estimaded capacity: 4.5% of the world maritime traffic
- Design studies: 4 possible routes with several alternatives per route
- Progress of the feasibility study and finances unknown

Investment ≈ 40,000 M USD

Weak points:

- Financial conditions
- > Expected demand Analysis of the socio-economical feasibility
- > Environmental Issues



Example: Guatemala "Dry" Canal



Interocean dry corridor Project

- Concession not yet allocated
- Estimaded start of the construction 2014. Duración : 5 years
- Analysis of feasibility done
- Construction of 2 modern ports at the extremes of the corridor: San Jorge Port and San Luis Port
- The Land Bridge will be composed of: 1 motorway for trucks, 5 pipelines for petroleum products, 2 railway lines and 1 fibre-optical connection
- Transfer time earmarked with 4.5 hours

Investment ≈ 12,000 M USD

Weak points:

- Financial conditions
- Expropriations
- > Environmental Problems



Some questions for you

- The 3 options mean the same level of risk?
- Are insurers and reinsurers able to appreciate and measure these different levels of risk?
- Could one option remain not-feasible during its operational phase because competitive covers cannot be obtained?



Stakeholders involved in high level planning

Ministries and other government levels

Trade associations for carriers, manufacturers, exporters, retailers, etc.

Technical teams (Consultants, Engineers, Universities, etc.)

Potential operators, construction companies, equipment and technology sellers, etc.

In general, low presence of insurers' and reinsurers' associations (Colombia is an exception)



Could marine insurers play a more effective role in high level infrastructure planning?

- Greater knowledge of what is happening in the planning phase (What's coming in the near future?)
- The rest of the stakeholders, especially Governments, also need to know the critical decision-making variables of insurers
- Vector in the factor insurance into the logistics chains cost evaluation (evaluation and selection of projects involves the WITH/WITHOUT project comparison)
- Lobby in order to take part in decision-taking (greater visibility)



THANK YOU! QUESTIONS?

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