



The Center for Iberian & Latin American Studies, UCSD

Aviation Technology Transfer: An Analysis of Brazilian Embraer

Thursday, December 5, 2013, 3-4:30 PM

Deutz Room in the Copley International Conference Center,
Institute of the Americas Complex, UCSD

The analysis of the process of transfer technology since 1970 to 2013 for Embraer shows three cycles, each one with different main drivers and each one relatively successful. The first cycle, turbo propeller acquisition, is the clearest to show military-civil connections and ended when domestic and external economic-political and military conditions radically changed by the end of the 1980s. The second cycle is one of benefiting from technologies learned in the first cycle and applied to jet aircraft production, privatizing the firm and finding a niche in an industry that became very concentrated worldwide and less military dependent during the 1990s. The third cycle is characterized by production processes with strategic and risk partners, foreign and domestic, and less clear, more diversified technological transfer links. There is a reactivation of the military link and the technological transfer seems to be from the civilian to the military side. However, Embraer's military aircrafts are not at the technological frontier that rich developing countries and developed countries are looking for today, and Embraer's civilian aircrafts have fierce competition from not only the traditional rival, Canadian Bombardier, but new regional jet producers from Japan, South Korea, China and Singapore.

Nelson Altamirano received his BA in Economics from the Pontificia Universidad Católica del Perú, an MA in International Relations and an MS in Economics from UCSD, as well as a Ph.D. in International Economic Policies and Management in the year 2000. He is currently an



Associate Professor of economics at the School of Business and Management at the National University, is the online coordinator for the School and the lead faculty for the Sustainability Management program. His research interests focuses on mining and oil, natural resources, management of national companies, sustainable development and teaching technological innovations in economics. Nelson has taught in the universities of Japan (Tsukuba University), Colombia (CEIPA) and Peru (PUCP). The current research is part of the Minerva Project at CILAS.

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