## A Multiregional Input-Output Table For Northeast Asia 1995 Compilation And Analysis

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For the first time, a multi-regional input-output table for Northeast Asia has been compiled for 1995 by a research group of the ERINA and a fundamental I-O analysis has been conducted. The table covers seven subregions: Northeast China, other parts of China, the ROK, the DPRK, Far East Russia (FER), other parts of Russia and Mongolia. Production and external trade flows are desegregated into common 34-sectoral categories. The basic formula for the I-O table and modelling is the Chenery-Moses type. The analysis reveals a) various interdependencies between each region-throwing light on potential growing sectors and b) a high level of economic dependence on Japan, especially through their export markets.

Table 1 indicates sectoral self-sufficiency ratios for each sub-region which are directly computed in the I-O table. The ratios vary centering around 1, which implies a perfect self-sufficiency.

Tables 2-A & 2-B indicate row sums of inverse matrices (impact multipliers) and column sums of the same

matrices (sensitivity multipliers) for Northeast China and Far East Russia respectively. The values are on an output basis.

Table 3-A indicates impact multipliers on a demand basis induced by three final demand components for each sub-region. These values are direct and indirect impacts obtained by using the multi-regional inverse matrix noted above.

Table 3-B indicates direct and indirect market shares for each sub-region distinguishing domestic and external final demand.

Table 3-C indicates sectoral market shares depending on Japan for each region. They are shown only for those more than 7%, derived from the same inverse matrix analysis which also generates Table 3-B.

For further details on compilation of the I-O table and theoretical discussions, see an article by S. Shishido & T. Akita et al in the forthcoming." The Journal of Econometric Study of Northeast Asia "(JESNA), Vol.2, No.1.