

Trade benefit and interdependence in the APEC region: an application of the APEC TiVA database

Topic: Compiling and Applying the APEC TiVA Database

Author: Quanrun Chen

Co-Authors: Fei WANG, Jiansuo Pei, Kunfu ZHU, Zhi Wang

This study attempts to construct trade in value added (TiVA) indicators to measure the APEC TiVA under global value chains (GVCs). The TiVA indicators include bilateral trade in value added indicators, gross export decomposition based indicators, and global production indicators (such as the GVC income indicators). The indicators can be used to investigate the interdependence between APEC economies as well as the real benefit of the APEC economies gained from the interregional trade in the APEC region and from the trade outside the APEC region. To do this, the 2005 and 2012 APEC inter-country input-output tables are compiled based on the national supply and use tables as well as bilateral trade in goods and services data.