

A new sub-national multi-region input-output database for Indonesia

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As a large archipelago with significant geographical variation and economic diversity, Indonesia requires detailed regional information when subjected to economic modelling. Whilst such information is available, it however has not been integrated and harmonised into a comprehensive input-output database, thus preventing economic, social and environmental modelling for investigating sub-national regional policy questions. We present the new IndoLab, a collaborative research platform for Indonesia, enabling input-output modelling of economic, social and environmental activities in a cloud-computing environment. Within the IndoLab researchers are for the first time able to generate a time series of regionally and sectorally detailed and comprehensive, sub-national multi-region input-output (MRIO) tables for Indonesia. By integrating a multitude of economic, social and environmental data into a single standardised processing pipeline and harmonised data repository, the IndoLab is able to generate MRIO tables capturing up to 1,148 sectors and 495 cities and regencies. Researchers can freely choose from this detail to construct tables with customised classifications that suit their own research questions. A first test run of the IndoLab clearly demonstrates the unique characteristics of regions in terms of their sectorsâ€™ employment intensity. Thus, the IndoLab has great potential for investigating policy questions that cannot be comprehensively addressed using a single national database.