

IMPLAN Version 3

MIG, Inc.

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Major New Features of V3.0

- RPCs based on a gross-flows trade model
- Trade flow model for the entire US
- User-defined multi-regional models
- Multi-regional model of US
- Travel and Tourism Satellite Accounts
- Links to extant models of direct effects
- Natural language reports
- SAM accounting protocol for world-wide use

Regional Purchase Coefficients (RPCs)

- IMPLAN V 3.0 RPCs based on an empirical gross-flows model of trade between all US counties
- Compare to earlier versions of IMPLAN (and other systems like MRIO) that infer local RPCs from state-to-state flows

Trade flow model for the entire US

- Commodity and factor flows between all US counties are modeled as a multi-modal trade flow system
- **Example query:** “Show all supply shipments of commodity X from all counties to county Y.”
- **Example query:** “Show all demand shipments of commodity X to all counties from county Y.”

Multi-regional models

- In addition to single-region models, models (e.g., for counties) can be linked together for evaluation studies
- Theoretically, any number of models can be linked. Practically we expect most applications to link 2 – 5 models
- **Example query:** “Something happens in counties A and B. What are the consequences for each individual county A, B, C, D, and E?”

A Multi-regional model of US

- “One-Model”, a web-based multi-regional model of the US (county component granularity)
- Users can “check-out” components, use as-is or customize, link together components as necessary, “check-in” applications to a knowledgebase for shared learning.

Travel and Tourism Satellite Accounts

- MIG, Inc is participating in a multi-agency/NGO effort to adopt standard protocols for TTSA
- The adopted protocol will likely be a blend of World Tourism Organization and US BEA TTSA protocols.
- V 3.0 will implement TTSA and maintain compatibility with the multi-agency protocols.

Integration with extant models

- V 3.0 will permit direct links to extant spreadsheet models of direct effects
- These models can be as sophisticated as the user wishes. For example, direct links to USFS FEAST models will be supported.
- Spreadsheet templates for various applications such as tourism, resource management, construction, new industries, niche market analysis, and natural disasters will be provided from MIG's on-line library.

Natural Language Results

- Interpretive reports in natural language are provided in addition to tabular, numeric reports.
- Interpretive reports are created using evaluative rules. The rule base can be modified or customized by the user.

SAM Accounting World-Wide

- V 3.0 separates the data and accounting models.
- Users can apply the appropriate model to their specific requirements
- The data model overcomes data-poor situations
- The accounting model provides a standard protocol
- IMPLAN currently used in more than 10 countries

V 3.0 Release Schedule

- Beta release at the joint **Mid-Continent Regional Science Association and IMPLAN User's Conferences**, June 8-10, 2006, Indianapolis IN
- General release late summer 2006

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