The New Eora Database

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FIGURE 7. Visualisation of the basic price sheet of the 2009 Eora world MRIO. Diagonal blocks are domestic tables, and off diagonal blocks contain international trade transactions. French and German exports are discernible as dark grey rows, and US imports as a dark grey column. Domestic transactions are usually more important in monetary terms than international trade.
My work:
1. Update the existing Eora to 2012;
2. Implement the existing Eora MRIO framework to the cloud platform MRIOLab.
New changes:
- Data format;
- Data content.

Difficulties:
- Special tools;
- Translations;
- Concordances;
- Code adjustments.
Transplant work flow

Difficulties:
- Manual steps in constraints generation;
- Adjustments in Eora initial estimate for IELab;
- Concordance preparations;
- Code adjustments.

Transferring raw data

Generating constraints in Eora classification

Generating Eora initial estimate

Making concordances between Eora and IELab root classification

Linking Eora with IELab

Linking IELab root classification to Users’ choices
◆ Eora MRIO is updated to 2012 version;
◆ Eora satellite MRIO update is 70% finished;
◆ IELab Eora data feed is 50% finished.
The new Eora features

- 189 countries;
- Time span 1990–2012;
- Regions and sectors in MRIO tables can be freely chosen by users;
- Be parallel with WIOD and EXIOBASE in IELab.
Eora 2012 version includes 190 parts (189 countries + Row)

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<thead>
<tr>
<th></th>
<th>Australia</th>
<th>Germany</th>
<th>China</th>
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122 sectors

Sub-national MRIO (CHN, 30 provinces) -- existing Chinese MRIO framework (Yafei Wang, et al., 2013)

Province 1

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<tr>
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<th>Sector1</th>
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Province 2

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Potential applications

- Environmental impacts
- Social impacts
- International trade
- Economic structure
- Industrial interdependence

My work focus
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