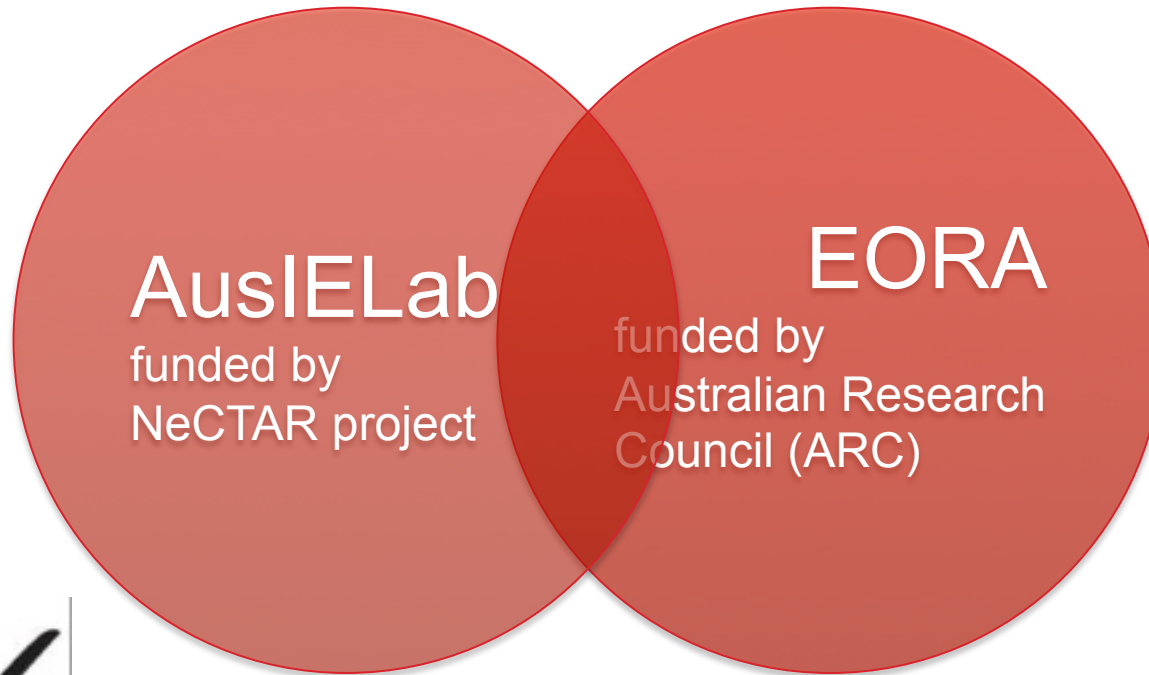


The New Eora Database

Yanyan Xiao, Keiichiro Kanemoto, Diana Carneiro,
Manfred Lenzen, Arne Geschke,
Daaniyall Rahman, and Daniel Moran
ISA, School of Physics, The University of Sydney



THE UNIVERSITY OF
SYDNEY



AISHA, GUI Version 7.7 BETA, Using kk_aisha (Linux/Unix Version), Host: scarlett.physics.usyd.edu.au, Matlab Release: 2013b <@scarlett.physics.usyd.edu.au>

Project Settings Pre-Processing/Input Data Feeds Optimizer/Super Computer Post-Processing/Output Diagnostics Developer Visualise Options

Mode Options

MRIO

Satellite Accounts

Work Flow

Pre Processing

Aisha Algorithm

Optimizer

Post Processing

Activate All Deactivate All

Zero-Offset (MRIO)

Zero-Offset (Satellite)

Delay before running AISHA (hrs)

Project Definitions

MRIO Work Directory Choose...

Optimizer Information

Chosen Optimizer: XRAS

Project	<input type="text" value="yanyantest"/>
Phase	<input type="text" value="305"/>
Loop	<input type="text" value="101"/>
Base Year	<input type="text" value="2000"/>
Final Year	<input type="text" value="1970 2012"/>

Configure Countries

Run AISHA

Visualise

Run 'Visualize' Routine automatically

Library directory: /import/penelope1/isa/WorldMRIO/Project/Library

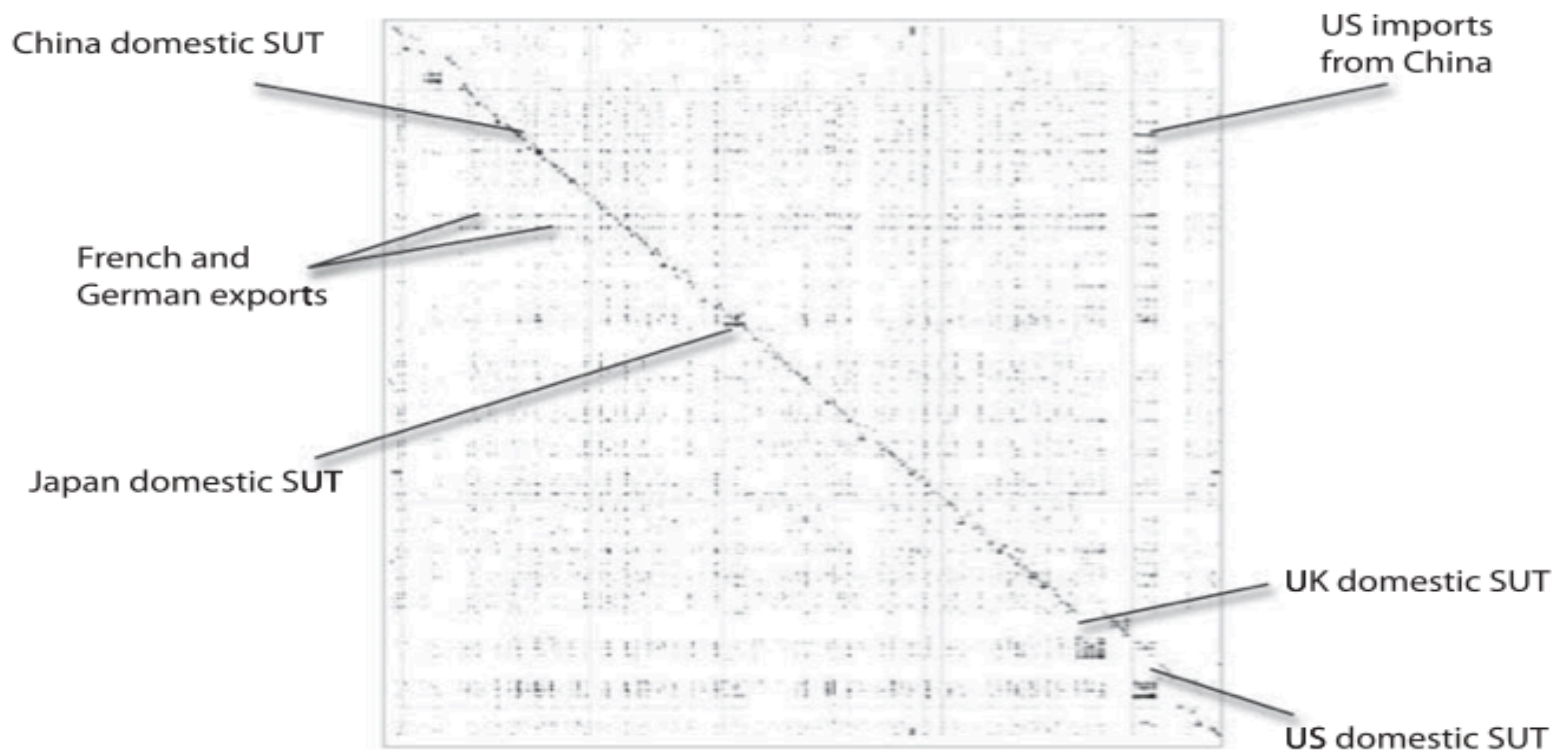
Data directory: /import/anne1/isa/WorldMRIO/Project/Computations/Phase199/IE

Template directory: /import/penelope1/isa/WorldMRIO/Project/Aisha/Templates

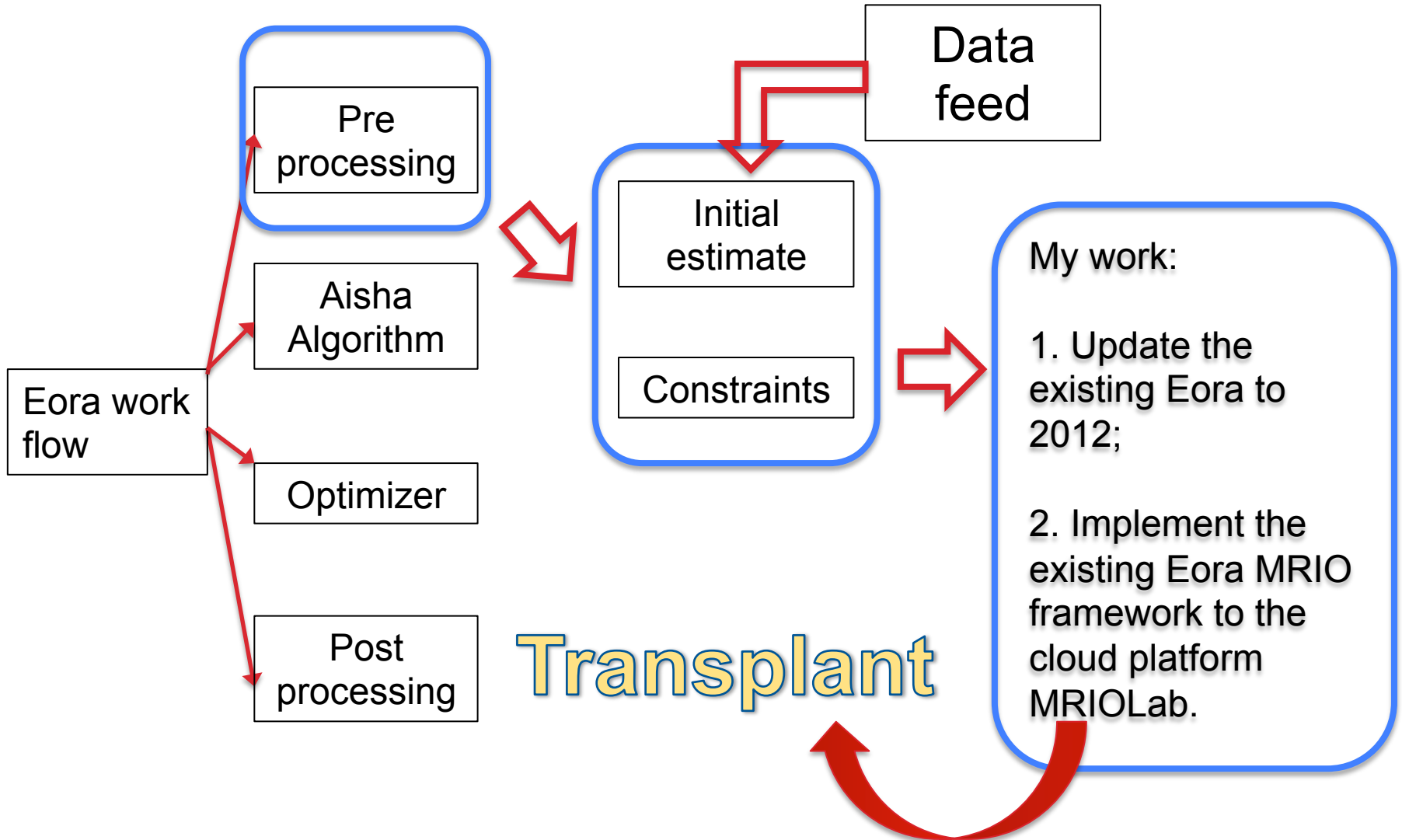
Data Standard directory: /import/penelope1/isa/WorldMRIO/Project/Input/Data016/data_standards

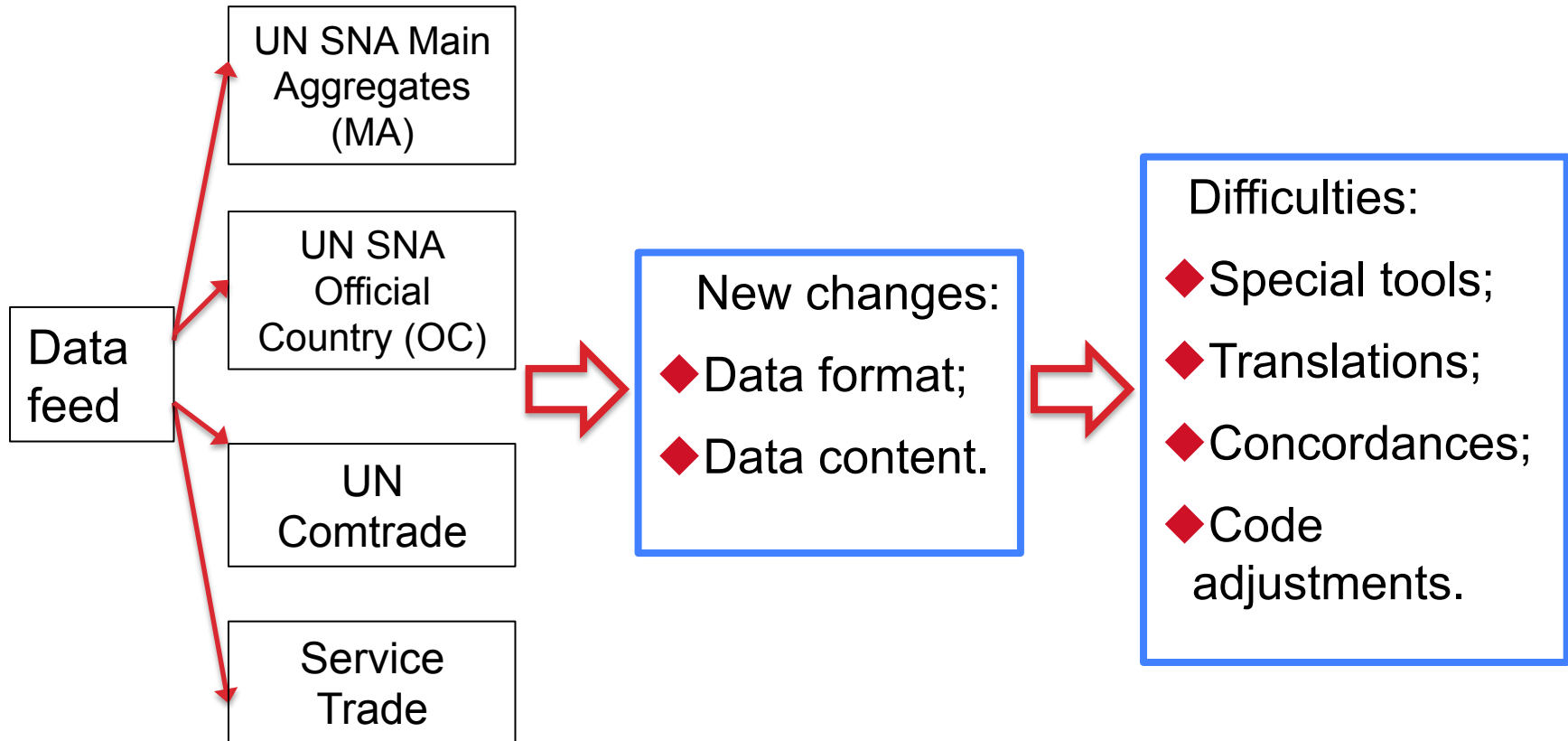
Raw Data directory: /import/penelope1/isa/WorldMRIO/Project/Input/Data016

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.

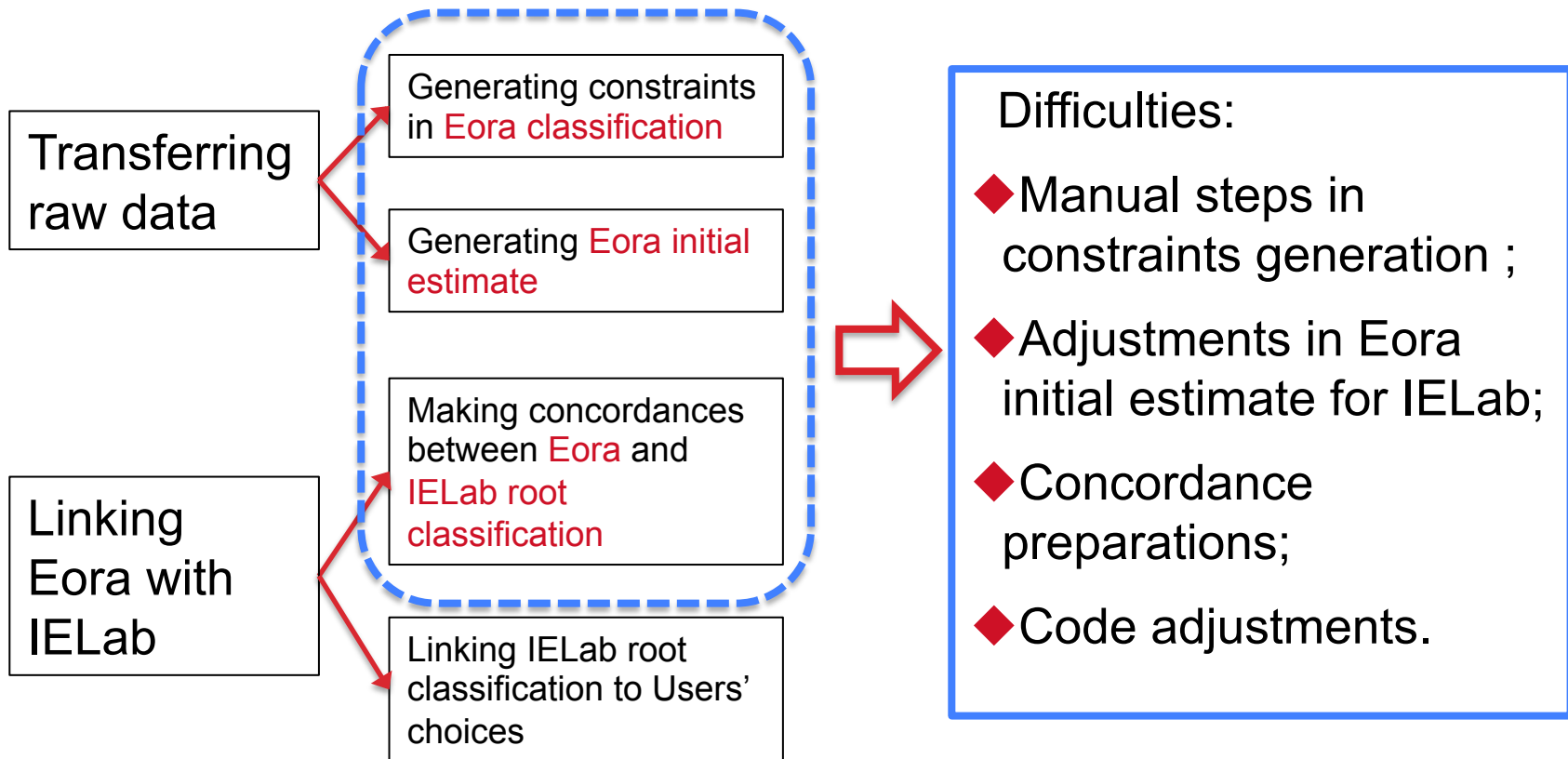


BUILDING EORA: A GLOBAL MULTI- REGION INPUT-OUTPUT DATABASE AT HIGH COUNTRY AND SECTOR RESOLUTION (Lenzen et al. 2013)





Transplant work flow



- ◆ Eora MRIO is updated to 2012 version;
- ◆ Eora satellite MRIO update is 70% finished;
- ◆ IELab Eora data feed is 50% finished.

- ◆ 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)

	Australia	Germany	China	...
Australia				
Germany				
China			CHN	
...				

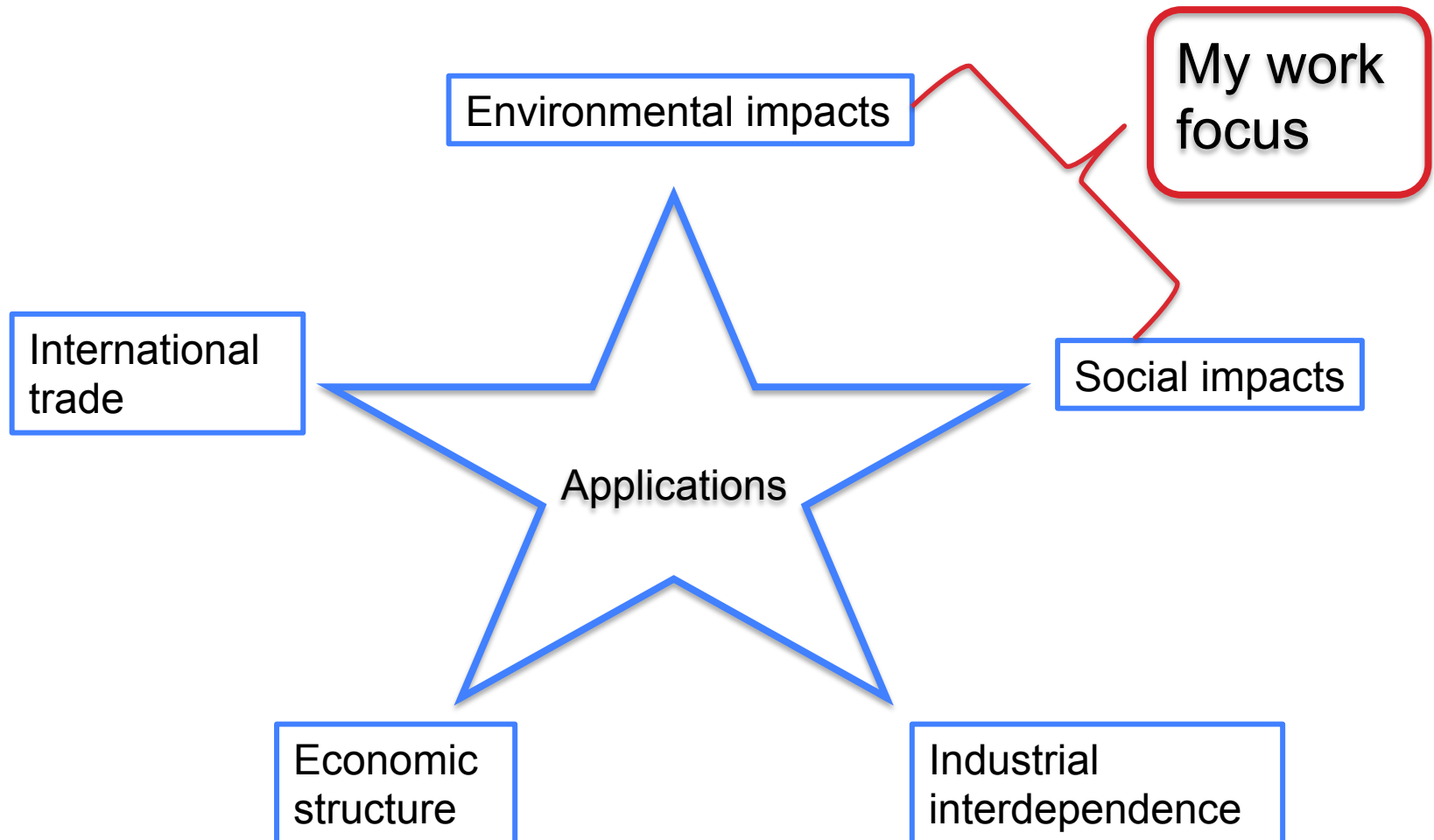
Sub-national MRIO (CHN, 30 provinces) -- existing Chinese MRIO framework (Yafei Wang, et al., 2013)

122 sectors

	Sector 1	Sector 2
Sector 1		
Sector 2		

Substituted by

		Province 1	Province 2
Province 1		Sector1	Sector2
sector1			
Sector2			
Province 2			





xiao@physics.usyd.edu.au

m.lenzen@physics.usyd.edu.au

geschke@physics.usyd.edu.au

keiichiro.kanemoto@gmail.com

dan.moran@gmail.com