

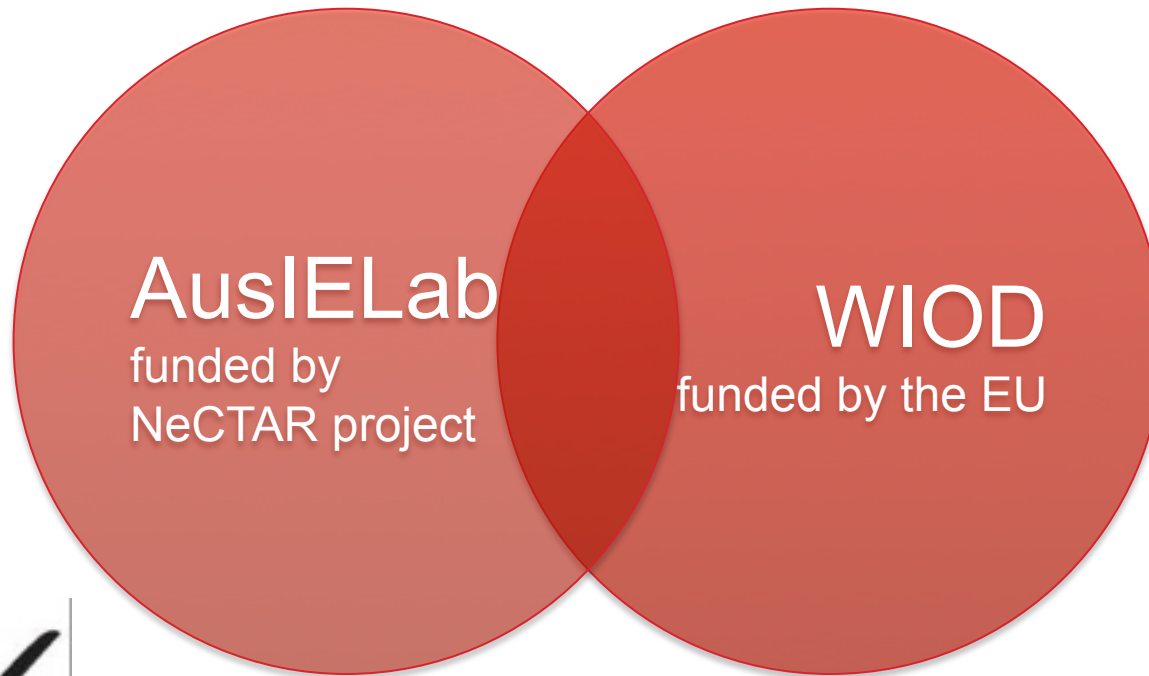
# Updating the WIOD Database in a Collaborative Virtual Laboratory

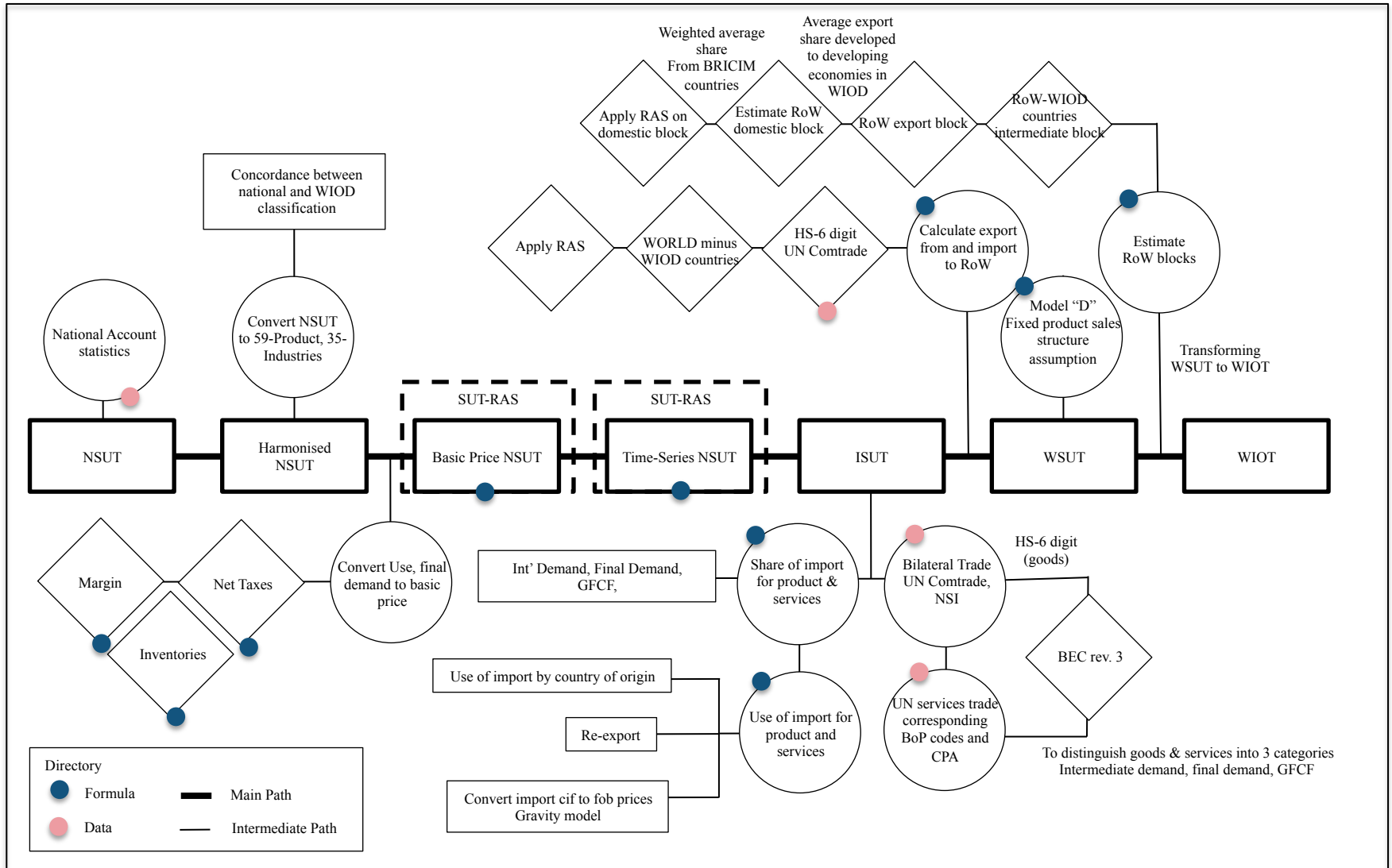
Daaniyall Rahman, Manfred Lenzen, Arne Geschke,  
Yanyan Xiao, Keiichiro Kanemoto

ISA, School of Physics, The University of Sydney



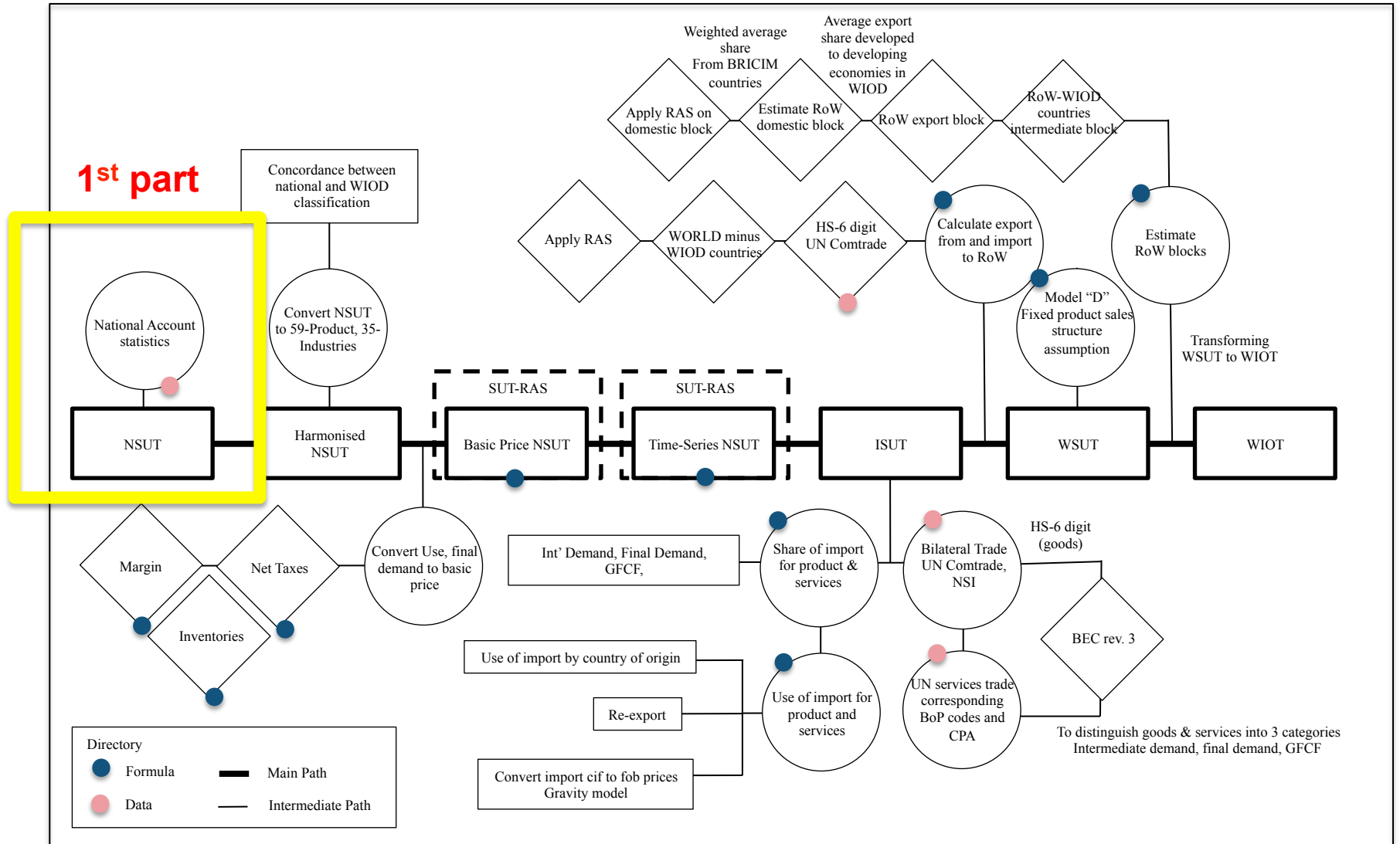
THE UNIVERSITY OF  
SYDNEY

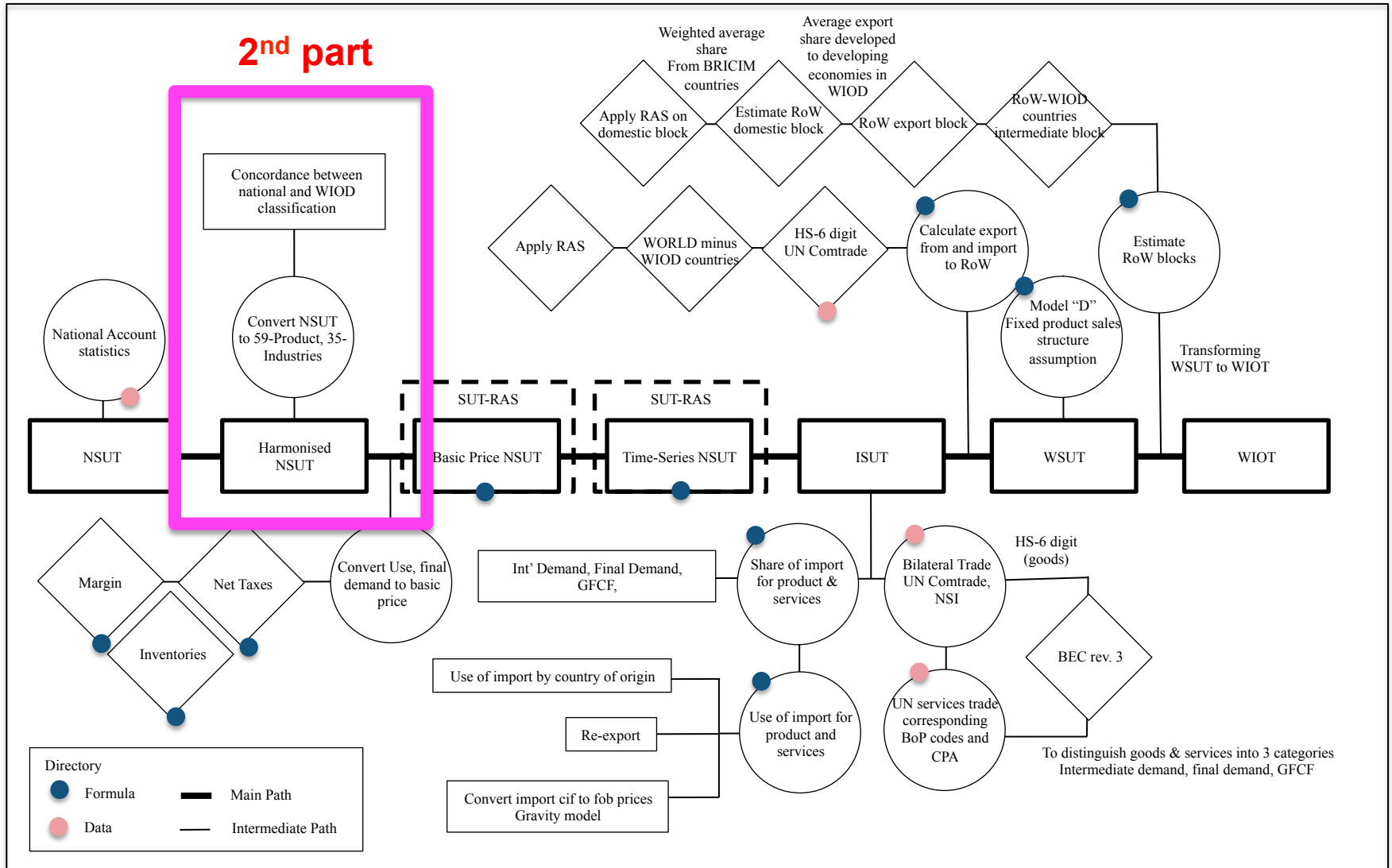


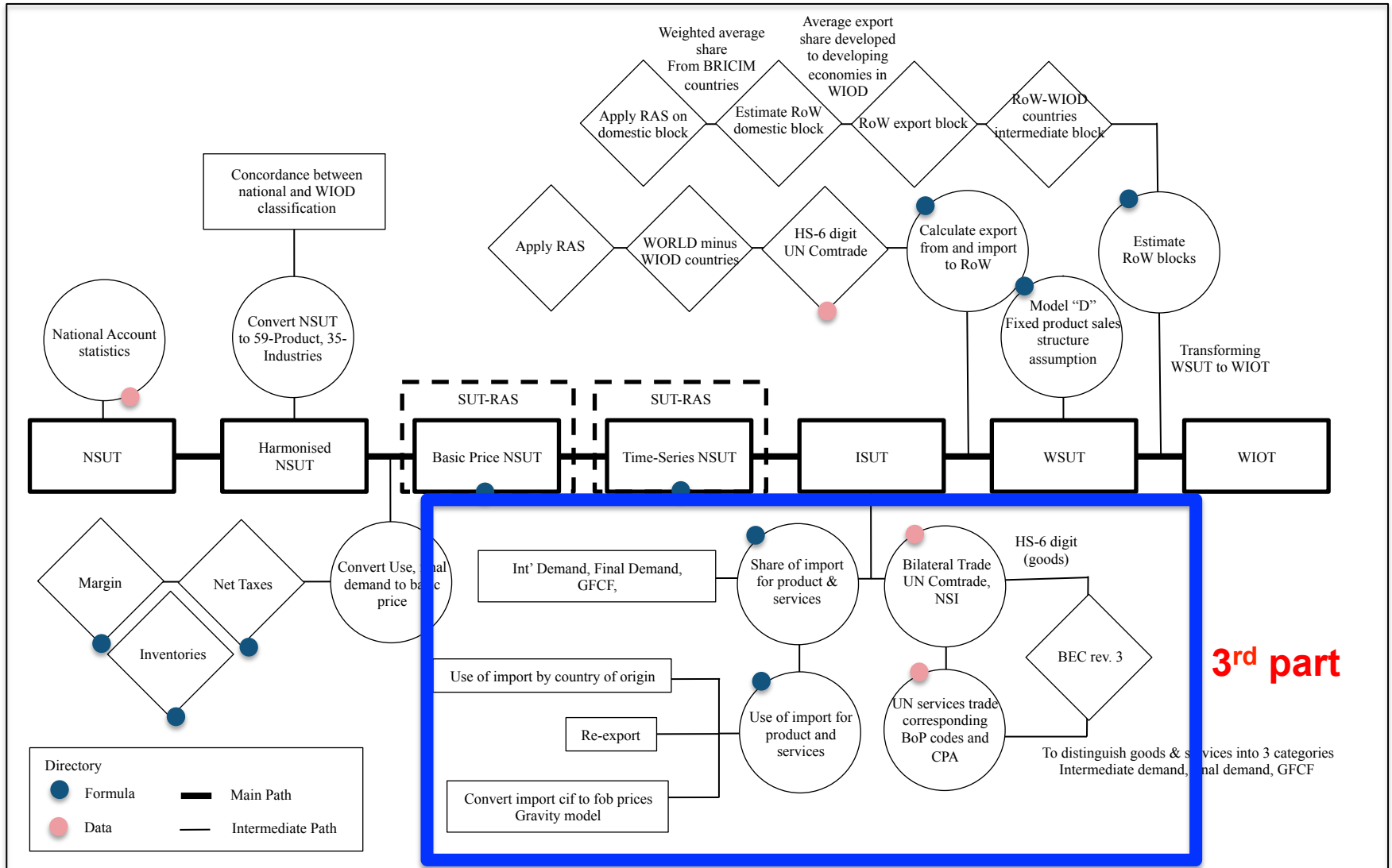


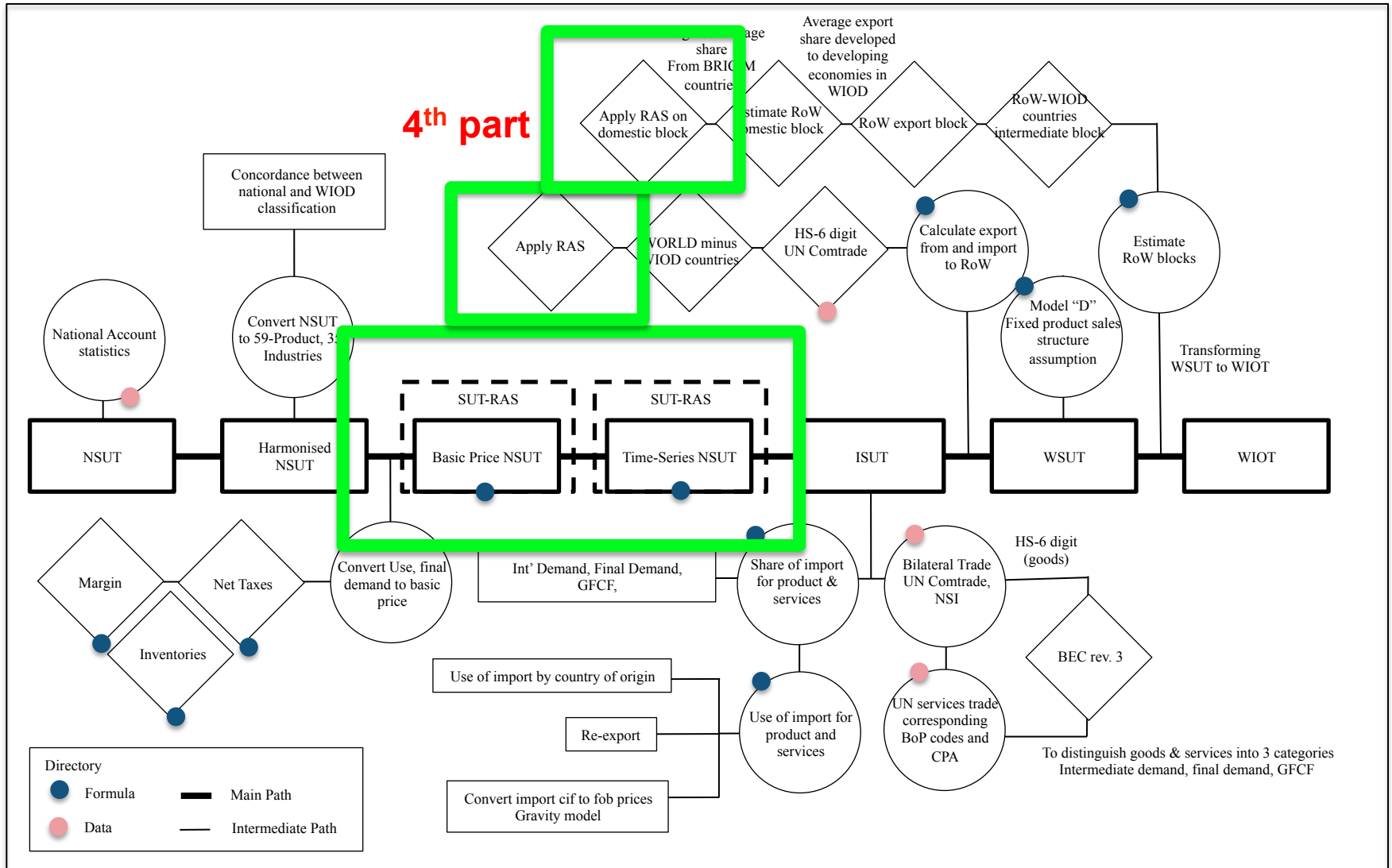


**Divide into 4 parts**

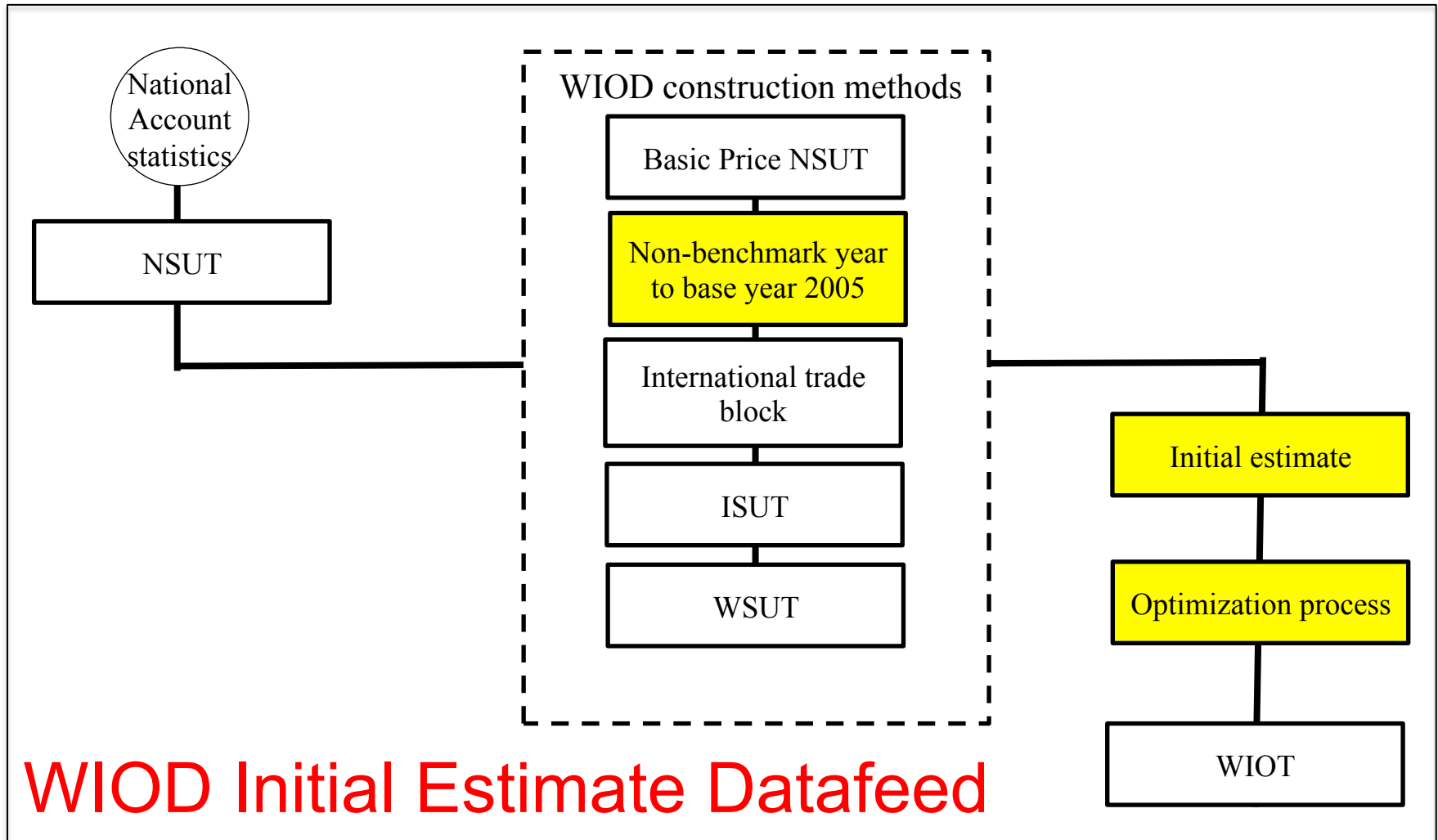






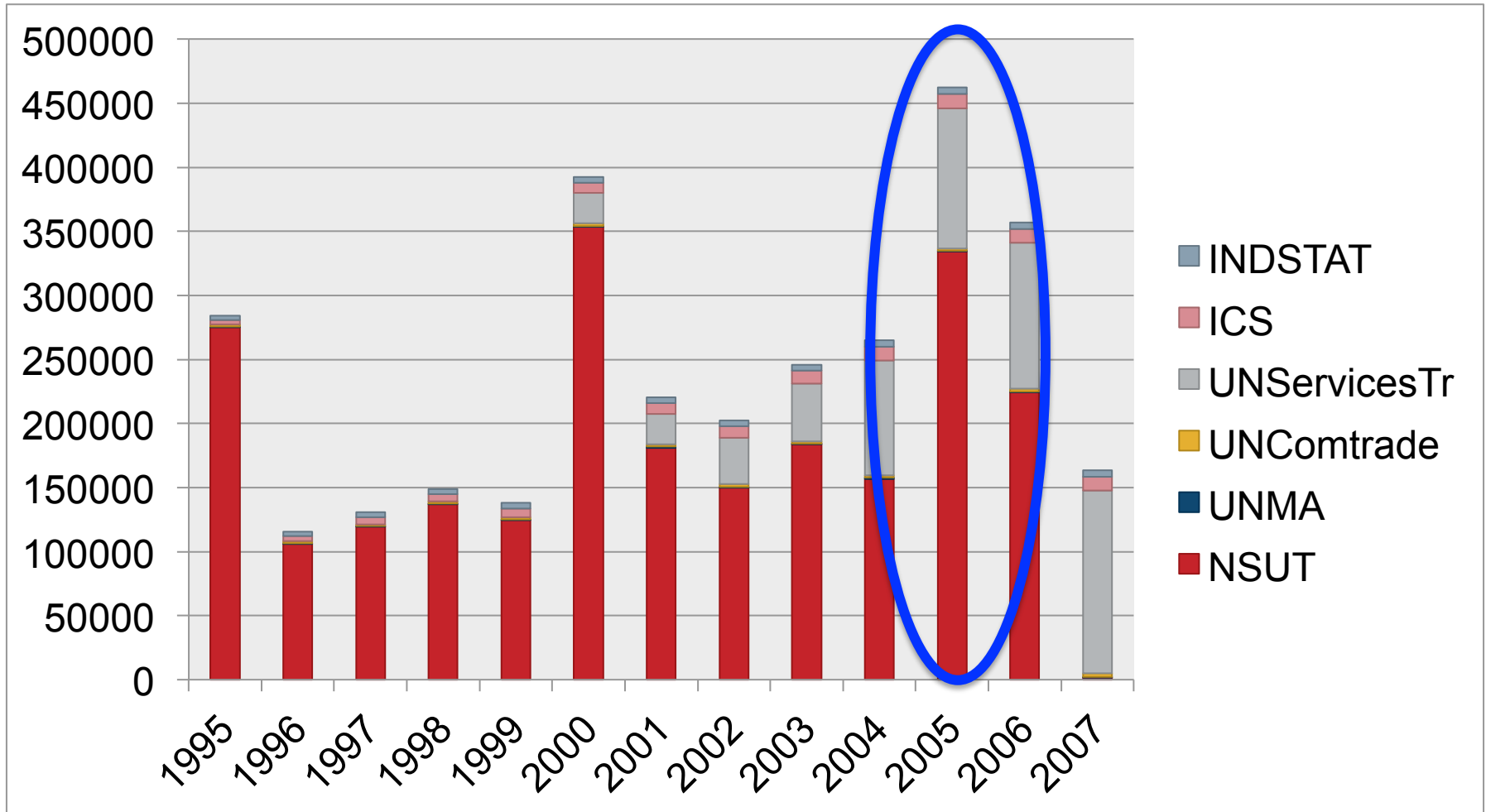






Original WIOD	WIOD in the VL	Remarks
Benchmark year initial estimate	Base year initial estimate 2005	Use WIOD time-series formulas to adjust non-benchmark year
Apply balancing methods several times	Optimization in one go	Initial estimate and constraints were prepared in a routine
Harmonized SUTs into WIOD classification	User's classification	Combine concordance; User → global root; NSUT → global root; User → NSUT

How do we select the base year for the initial estimate? Why 2005?





[rahman@physics.usyd.edu.au](mailto:rahman@physics.usyd.edu.au)

[m.lenzen@physics.usyd.edu.au](mailto:m.lenzen@physics.usyd.edu.au)

[geschke@physics.usyd.edu.au](mailto:geschke@physics.usyd.edu.au)