



Forty second-year Chemical Engineering students formed the world's first ever human input-output table during a recent lecture on TBL reporting. The total Australian economy was compressed into five sectors: Agriculture (Green hats), Mining (Black hats), Manufacturing (Blue hats), Utilities (Red hats) and Services (White hats). The Brown, Pink and Yellow hats represented the satellite accounts for Land disturbance, water and greenhouse gas emissions. Other students were enlisted to 'spend' \$1000 in any one of the sectors. Students in the input-output table identified and built a single structural path precipitated by the spend. They calculated the emissions generated, or water or land needed, five layers up the supply chain from that one single path.