

TBL/Hybrid LCA Applications

Barney Foran

Chris Dey

Hazel Rowley

Chris Wilson

Michael du Plessis

Mapping function

Barney – local government policy relevance, from his local gov area

Chris Wilson – how does this relate to state of environment; VA contribution of an industry to an area

Hazel – does the council want to know?

Barney – councils want to become low carbon economies; he wants to test if there's interest; employment feed/dlata

Chris – demographic profile

Chris W- "population ID"; GIS level; LGAs do not always match up with SA2

Chris D – what local data are available?

Barney- not really that much data is there

Hazel – would council planners be interested in using IELab for industry development policy?

Barney – time series is a major ?? of the IELAb

Chris D – "QBL" reporting required

Chris W – 'disintegrated reporting' push back from the different users

Councils data sources – input template to IELab

Spatial data tool

Urban Water metabolism: Water/energy nexus; Water security; performance analysis

Amanda Carroll

Futu (Usyd)

Yuya (Japan)

Ka Leung (UQ)

Steven Kenway

Peter Daniels

YauYan (China)

Industry guidelines across the water cycle. How a tool like IELab could help measure footprint/energy consumption (Harvest – use – disposal footprint)

Business case – water infrastructure. Capex!

Quantitative energy intensity to industry benchmarking

Trace where water comes from products from overseas

Water Table (Steve Kenway)

Benchmarking cities, focusing on direct but not yet indirect – quantify energy saving for water saving.

Water metabolism + 3 systems

P.D. Likes Capex analysis. Mapping the metabolism and demand sources

Renewable energy application in China - coal mining industry

Social impacts

Direct emissions water inventory database (Eora)

Water footprint matrix – water cycle; how they're measured

Methods: MRIO; MFA; UA; Indicators (energy); GHG;...

Normalising for geography

Benchmarking – long term perspective

Crowd sourcing