



INSTITUTO TECNOLÓGICO VALE



Munasinghe Institute for Development
making development more sustainable (MDMS)

Symposium on
Sustainable Development:
New Dimensions for Society & Business

Espaço Tom Jobim, Jardim Botânico, Rio de Janeiro, 18 June 2012



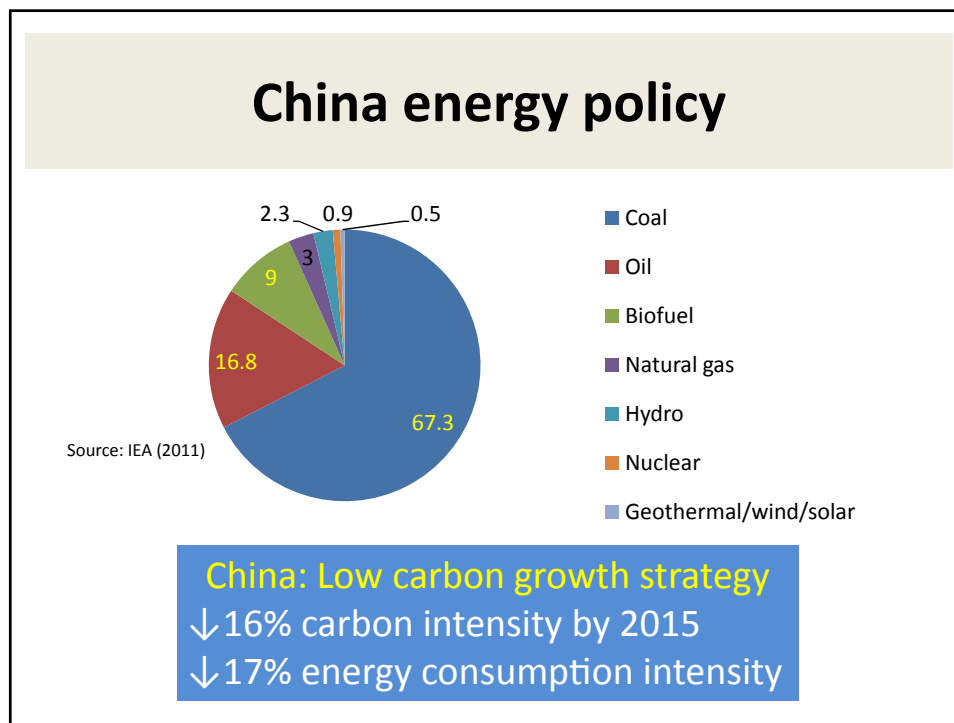
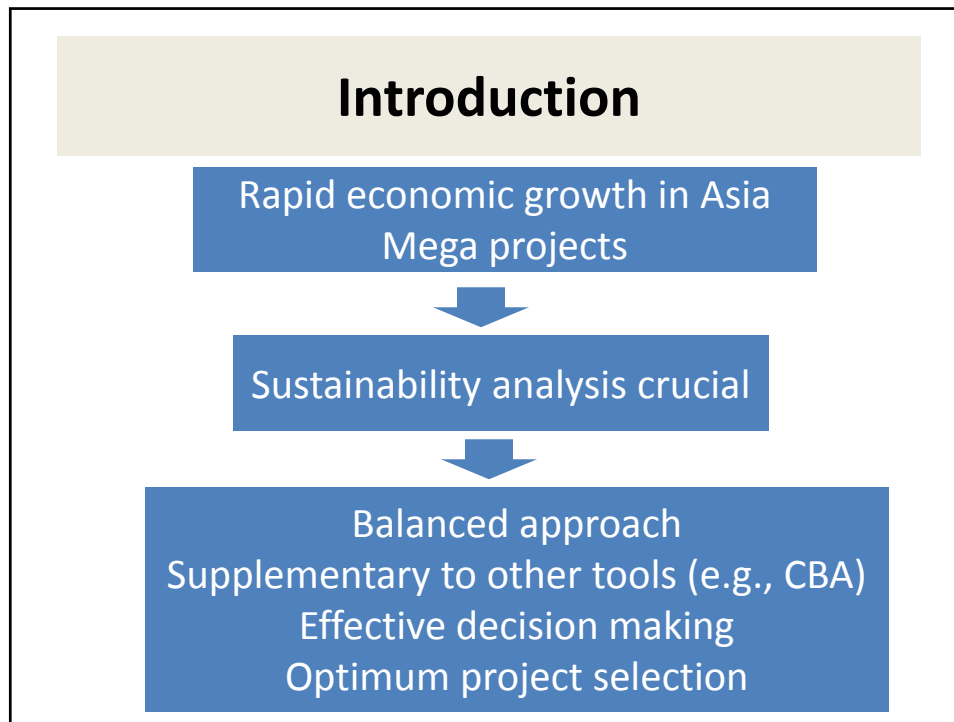
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RIO+20
United Nations Conference
on Sustainable Development

**Asian Case Study: Sustainability
analysis of the Three Gorges dam
project in China**

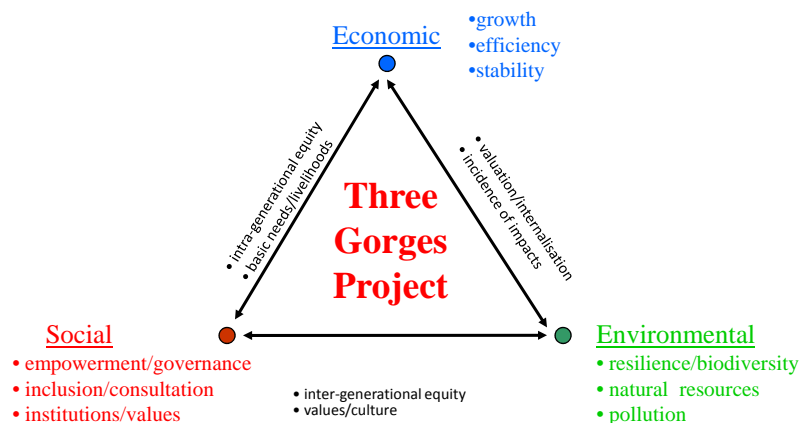
Dr Risa Morimoto
Toulouse Business School France



Three Gorges Dam in China

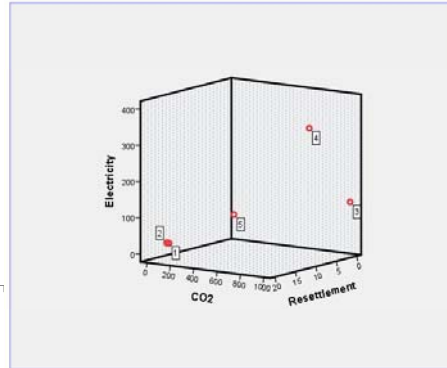
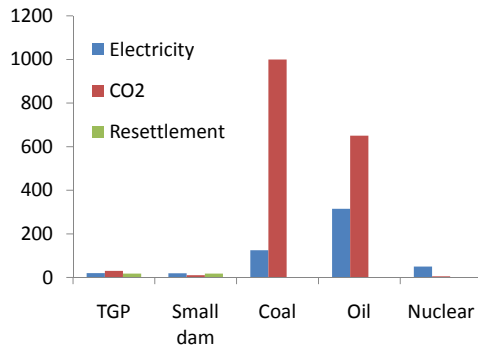


Application of Sustainomics concept: Sustainable Development Triangle



Sustainable Development Triangle – harmonising key elements and interconnections (corners, sides and centre) Source: Munasinghe [1992], Rio Earth Summit

Application of Sustainomics concept: MCA



	1: TGP	2: Small dam	3: Coal	4: Oil	5: Nuclear
Eco	2	1	4	5	3
Envt	3	2	5	4	1
Social	5	4	1	1	1
3D-MCA	2	1*	5	4	3