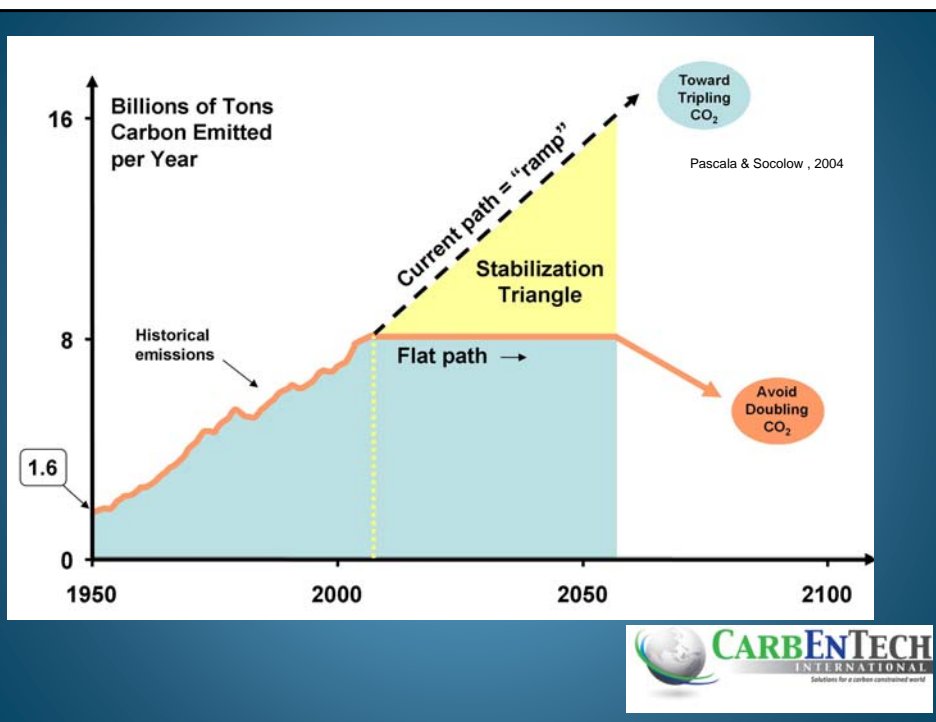
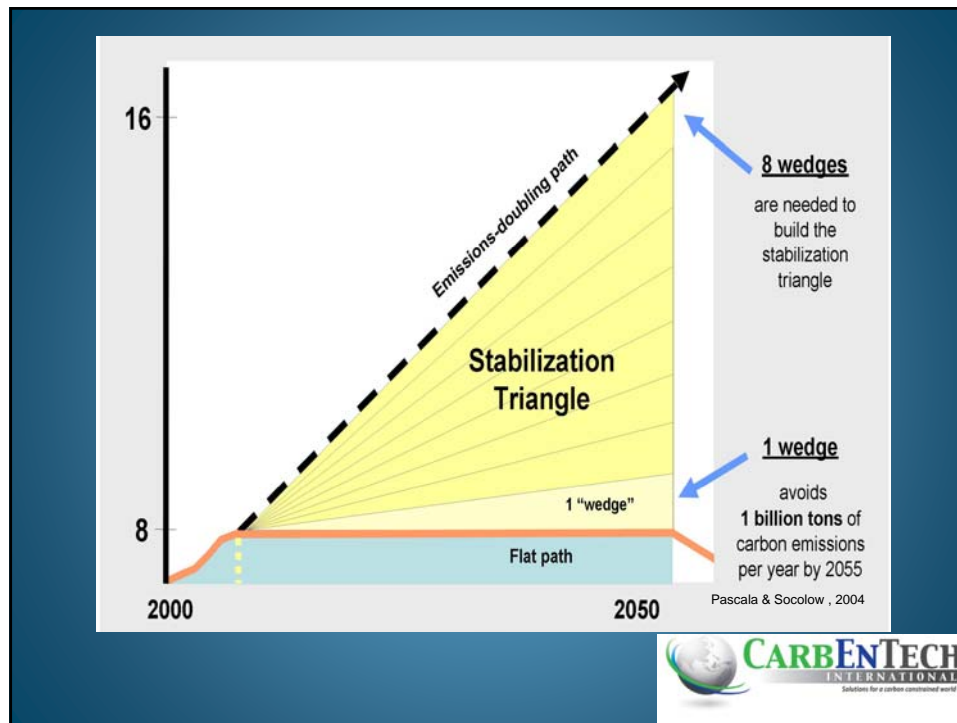


# EIANZ: TEN YEARS TO TRANSITION

## Stabilisation of CO<sub>2</sub> emissions

Ian Bridge  
October 2010





## Emissions stabilisation

- Options available (economic sector)
  - Powering up down and across
    - Fuel switching/renewables (CO<sub>2</sub> intensity to 500 kg/MW from 900)
    - CCS (20 MT/annum)
    - Demand side management (25% reduction in energy use in buildings)
  - Transport
    - Improving efficiency ( 50% reduction in L/100km of current vehicles)
    - Reducing VKT (50% reduction in current VKT)
  - Built environment
    - Nodal hubs (decentralisation/local supply)
    - Urban density (increasing current density)
  - Manufacturing
    - Energy intensity (uptake of energy efficiency programs)
    - Fuel switching (Natural Gas / Diesel)
  - Agriculture
    - Farming practices (20% reduction in carbon intensity from cropping)
    - Produce transport and distribution (local produce)
  - Other
    - Reforestation (establish 1 ha/person/annum)
    - Research and development

## Queensland roadmap

- The task is to develop the most appropriate set of wedges for Queensland and Australia
- Examine the implementation strategies
- Examine barriers to uptake
- Examine enhancements to uptake
- Develop roadmaps to stabilise emissions for our society.

