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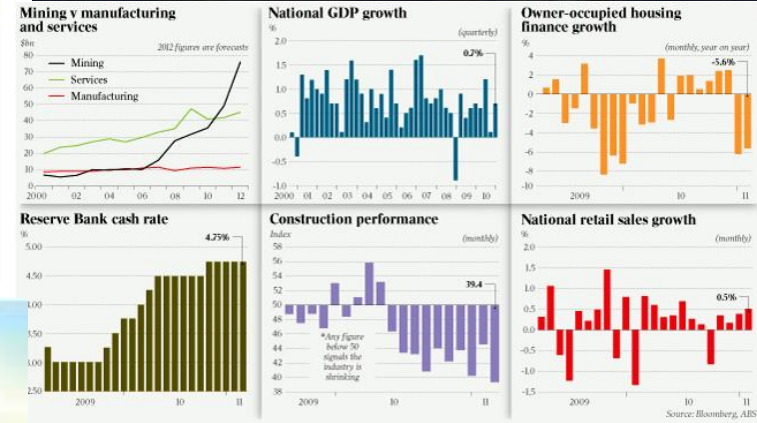
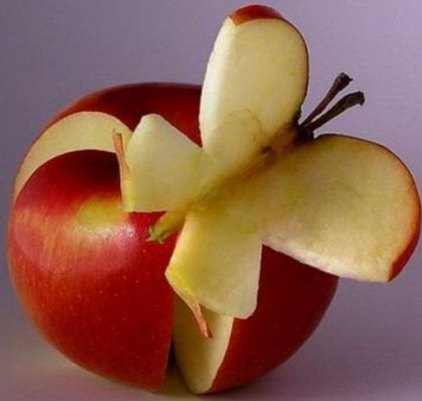
CITY-WIDE STRATEGIES FOR INTEGRATION OF SURFACE TRANSPORT MODES IN LARGE CITIES

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Levels of integration

- Strategic level
- Tactical level
- Operational level



Strategic Level

- Long term thinking
- Integration between transport and land use
- Authorities working together intentionally/
institutional change
- Setting of principles and approaches
- Putting in place supporting legislation

– Examples: Ile de France, Zurich, Ireland, Victoria



Towards an integrated and sustainable transport system.



Transport Integration Act 2010.

Tactical level

- Taking high level strategy and using it to work out tactical approaches – how do you plan to deliver on the strategic level?
- Identifying priority routes and priorities for infrastructure and service improvements
- Specifying private operator requirements
 - Examples: Key performance indicators for private roads, road use hierarchies, street network management strategies



Operational level

- Day to day operation under the umbrella of the tactical arrangements that have been put in place
- Service coordination
- Real time operations and dynamic adjustments
- Tolling and fare systems
- Ongoing improvement programs working together
- Logistics chains
 - Examples: Seoul, Transantiago



Bringing it all together

- This sounds great, but how do administrations work towards this?
- What if the strategic level is not in place, is it still possible to work from the other end?
- How can we do that and still make sure the end point is sensible?
- If individual authorities or operators want to develop their own strategies, how can they make sure all work together?



Model for integrated transport and land use planning

People

Place

Goods

PURPOSE

Walk

Train

Car

Tram

MODE

Bike

Bus

Truck

Road/path

Rail

Port

NETWORK
/NODE



People-moving strategy

People

Place

Goods

PURPOSE

Walk

Train

Car

Tram

MODE

Bike

Bus

Truck

Road/path

Rail

Port

**NETWORK
/NODE**



Bus service strategy

People

Place

Goods

PURPOSE

Walk

Train

Car

Tram

MODE

Bike

Bus

Truck

Road/path

Rail

Port

NETWORK
/NODE



The true test of integration

- What do the users think?
- Here are some measures of success
 - Perceptions of best way to travel are accurate
 - People don't talk about service discontinuities
 - People don't talk about physical barriers of changing modes
 - PT operators know who to call about road issues
- A different set of measures to administrations!
What does this tell us?





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