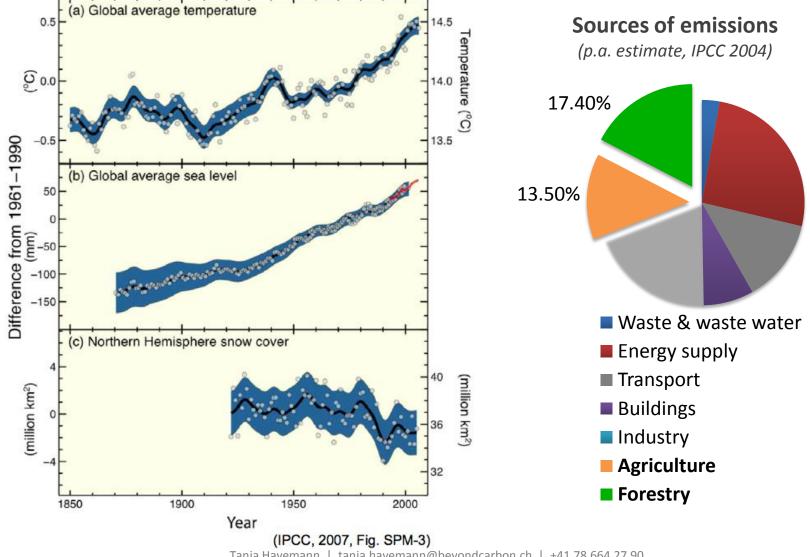




### The Science



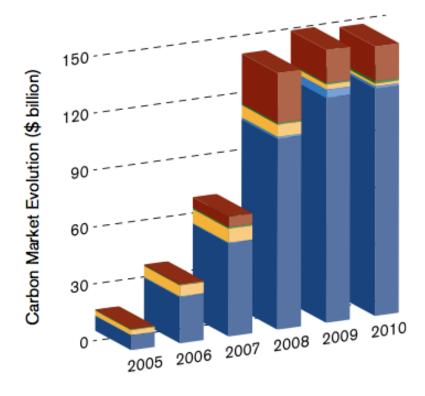


# The response: A market based on CO<sub>2</sub>e

Market based mechanisms: Trading of emission reduction allowances and reductions → Creation of new financial instruments: A liability & an opportunity.

**Regulated:** Enforced emissions cap and allowance-based system

**Voluntary:** Public disclosure, corporate & personal responsibility, cost savings





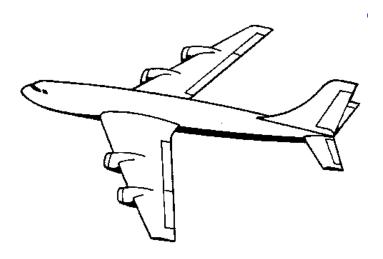


# **Investor impact #1: Liabilities & Opportunities in regulated markets**

### Opportunities from mitigation and adaptation. Huge changes expected from 2012.

#### Liabilities

- Countries with GHG legislation
- Covered sectors



#### **Opportunities**

- Trading of various forms of carbon credits
- VC opportunities clean tech
- Impact of regulation on listed equities
- Private equity from plays linked to carbon values
- Subsidized project finance



## **Investor impact #2: Liabilities & Opportunities in voluntary markets**

Voluntary market: Uncovered regions & sectors. Potential as pre-compliance. Addresses neglected sectors. Units set and approved by different standards.

#### Liabilities

- Corporate Social Responsibility (incl. shareholder activism)
- Pre-compliance (good will, testing of mechanisms etc.)
- Public Relations





# **Opportunities**

- Development and sale of voluntary carbon credits: different carbon standards
- May generate additional value streams
- Betting on increased value of some standards









# What about land use projects?

- Ca. 30% of global emissions from agriculture & forestry, primarily from tropical deforestation
- Largely neglected by regulated markets (except for NZ, Canada)
- New sectors covered from 2012 in some countries (Australia, NZ, EU)
- Important in voluntary carbon markets (pre-compliance and co-benefits) good standards, risk management tools, carbon credit registries and certification agencies exist
- Robust standards exist for:
  - New planting of forests, plantation & natural
  - Protection of existing forests
  - Increasing carbon stores in existing forests
  - ....These will now be discussed