Multi-year Expert Meeting On Transport and Trade Facilitation:

Maritime Transport and the Climate Change Challenge

16-18 February 2009

Expanding Green Energy Finance through Public Private Action

Presentation by

Mr. Paul Clements-Hunt Head of Unit, UNEP Finance Initiative

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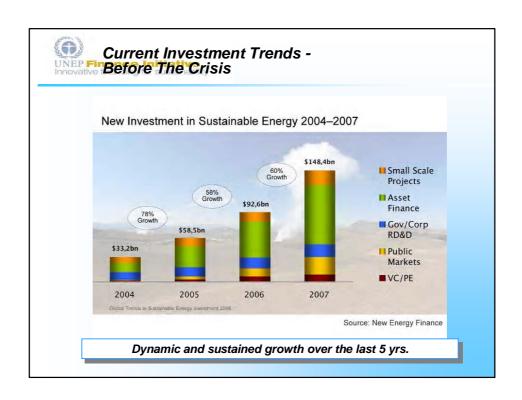


Expanding Green Energy Finance through Public Private Action

Expert Meeting on Transport and Trade Facilitation:

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United Nations Environment Programme Finance Initiative





Current Investment Trends in Light of the Economic Crisis – A Matter of Interpretation

"Financial crisis hinders renewable energy projects
The global financial crisis has left a void in the world of renewable energy financing." Portland Business Journal,
Nov 7th

"Seeing opportunity for renewable energy in financial crisis"
The Jakarta Post, Oct 10th

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"China's clean energy sector shielded from financial crisis", New Energy Finance Nov 12th



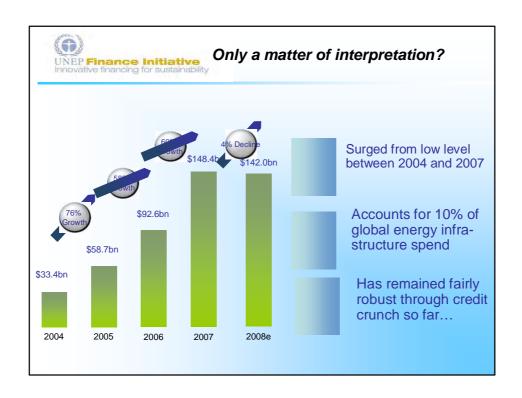
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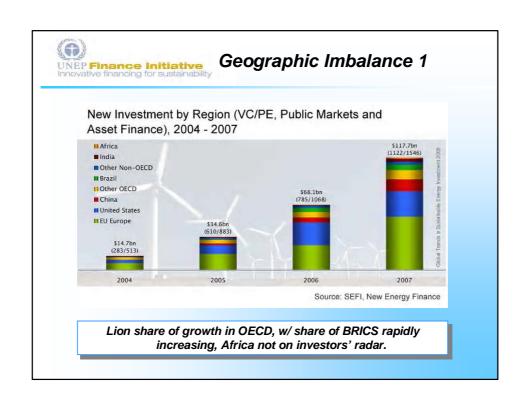
The Positive News....

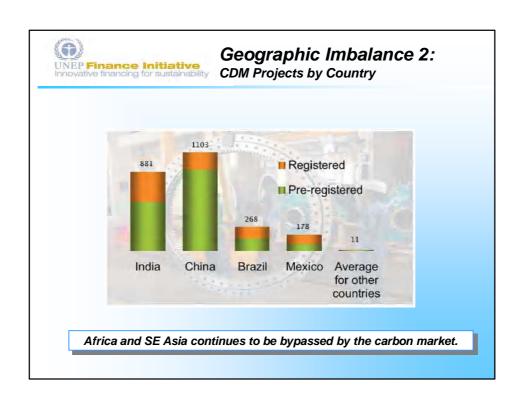
- Low interest rates
- Commodities cheaper
- VC/PE growing
- US tax credits
- Employment opportunities
- Fundamental drivers still exist climate change, energy security…

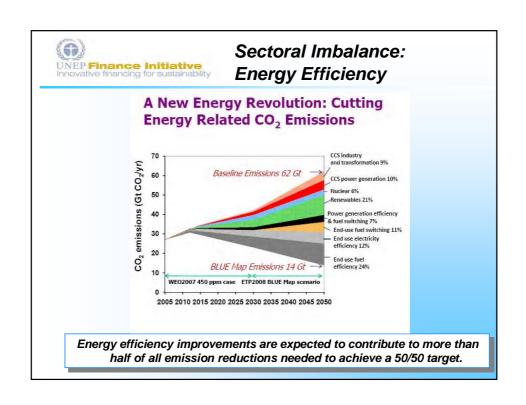


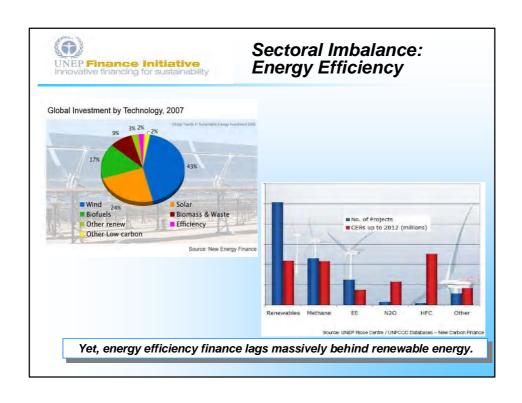
The Bad News....

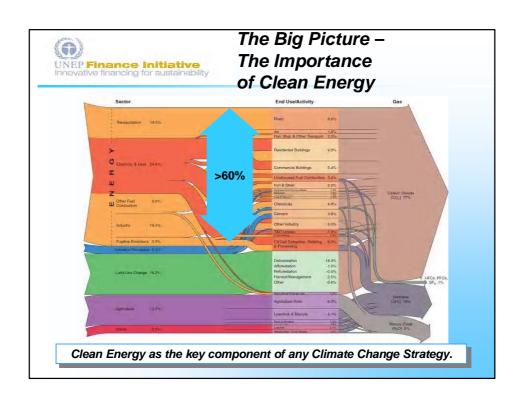
- Debt finance hard to get
- No long-term interest rates
- Equity more expensive
- Lower share prices
- Lower carbon prices
- Lower oil price
- Budget deficits take priority

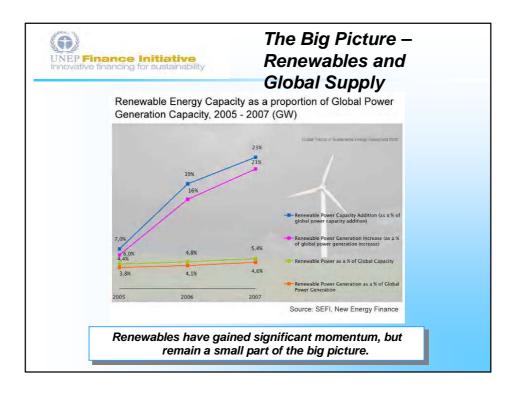






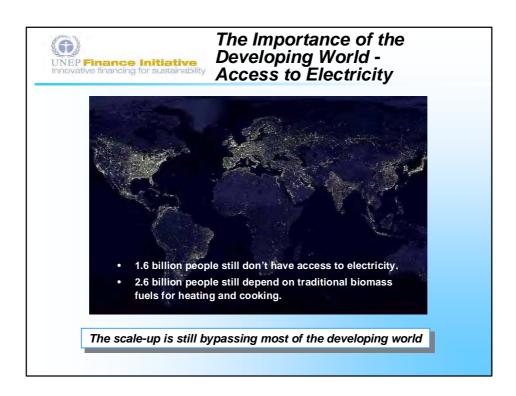


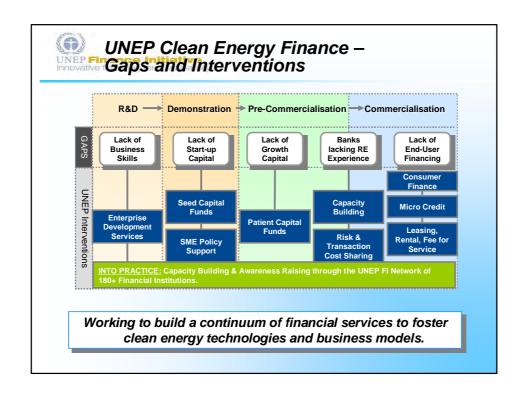






- Clean energy market will grow, though more slowly, with greater consolidation and sharper focus on businesses with greater returns
- Investors will become more selective
- Large utilities and other companies with deep pockets will buy up RE developers
- · Banks will play smaller role
- There will be a shift in investments toward energy efficiency
- "Green New Deal"?







UNEP FI: Reaching out to the Financial Mainstream

- Allianz/Dresdner
- Aviva
- AXA
- · Bank of America
- Caisse des Dépôts
- Calvert Group
- DBSA
- Fortis

- HSBC
- Insurance Australia Group
- JBIC
- Munich Re
- Standard Chartered
- SAM
- Swiss Re
- UBS

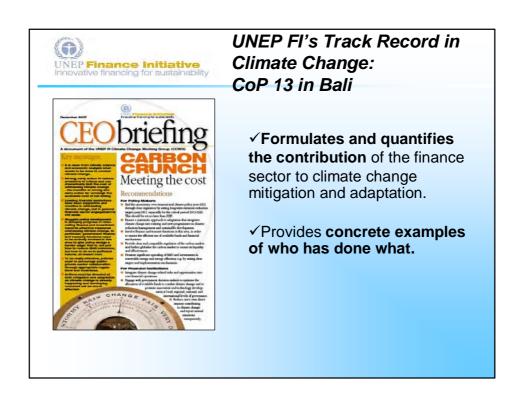
Key Financial Players make up the Climate Change Working Group of UNEP FI

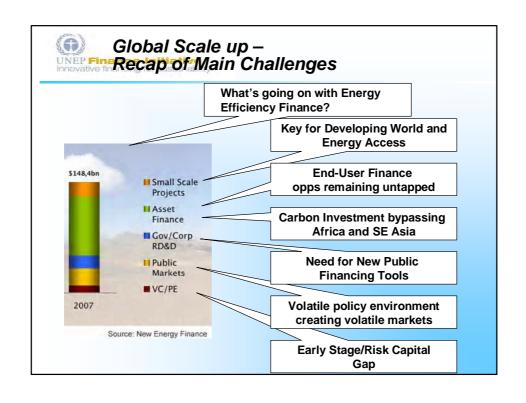


UNEP FI's Track Record in Climate Change: CoP 9 in Milan



- √ The liquidity and hence the success of the carbon market depends on the involvement of the financial sector.
- √The carbon markets bear opportunities for the sector: trading, brokerage, supply of certificates, hedging products, protfolio management, etc.







UNEP FI's Track Record in Climate Change: Now – Energy Efficiency

1) What's the problem with EE finance?

- Issues identified:
 - The Lack of Visibility of Energy Efficiency Finance;
 - The Lack of Scale: 'too small to be interesting';
 - The Revenue Problem cashflows from saving energy are not conventional revenues;
 - The Lack of Dedicated Time and Resources
 to develop EE capacity and activities inhouse.



UNEP FI's Track Record in Climate Change: Now – Energy Efficiency

1) Recommendations for FIs:

- Formulate board-level recognition and policies;
- Formulate a mandate and establish dedicated EE resources;
- Explore "Energy Efficiency Audits"
- Develop EE Standards per Sector



UNEP FI's Track Record in Climate Change: Now – Energy Efficiency

1) Recommendations for Policy Makers:

- Ensure Consistency towards EE through an integrated sustainable energy policy framework; Get rid of perverse incentives.
- Formulate board-level recognition and policies within public FIs;
- Induce demand for EE services and products through EE activity in "controlled" MUSH markets - Municipalities, Universities, Schools and Hospitals
- On the supply-side: decouple the profits of utilities from their sales.