MONITORING FINANCIAL MARKETS

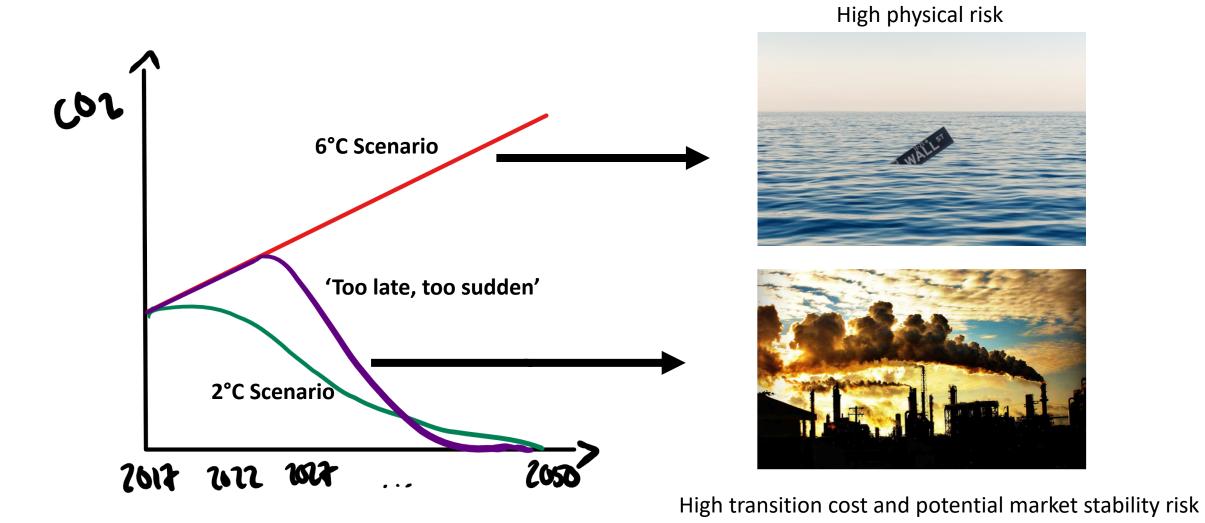
Michael Hayne - Energy Transition 2018 (Trondheim, 27/02/2018)





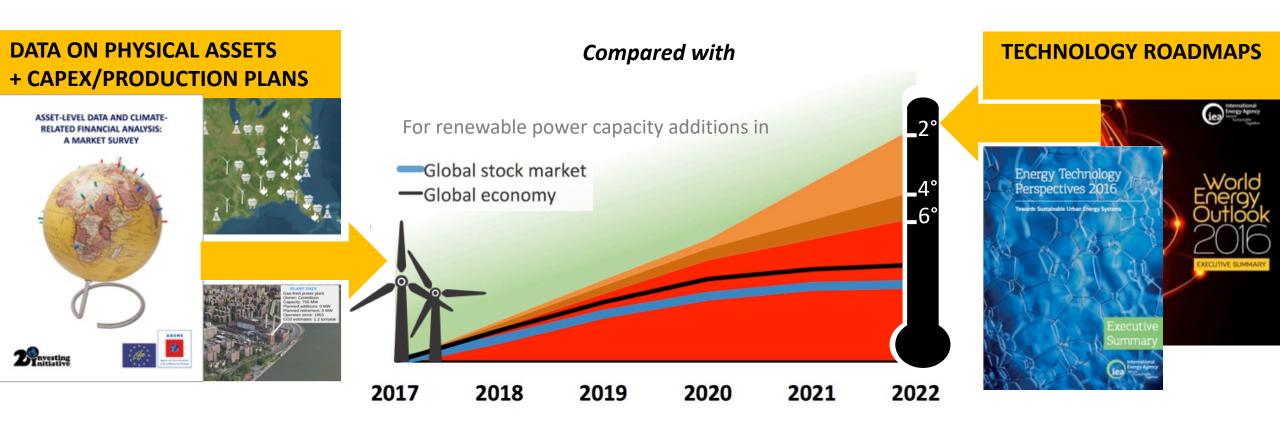
CONTEXT

Enabling a smooth transition



SOLUTION

Technology roadmaps compared with technology deployment by investees



RESEARCH COLLABORATION

Accounting principles developed with























©arbon Tracker

Funded through:

EUROPEAN UNION



No 649982 & 696004







RESEARCH COLLABORATION Cont..

Accounting principles applied and developed with



> 200 Financial institutions



3x Financial supervisory authorities



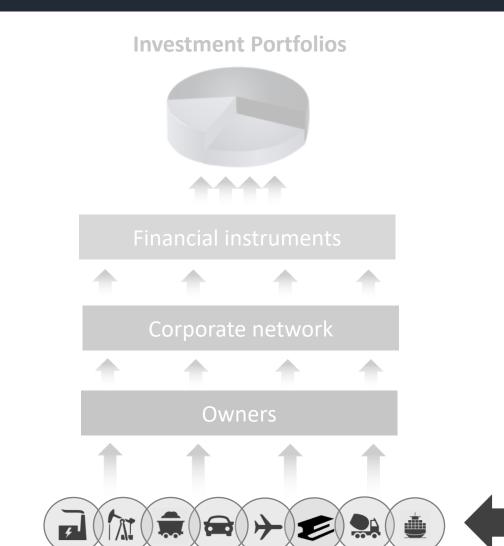
2x Governments





2x Commercial banks

Physical asset characteristics







FORWARD-LOOKING DATA ON PRODUCTION CAPACITY

+100,000 power plants ~95 million cars produced ~22,000 oil and gasfields ~36,000 airplanes ~10,000 ships ~2,200 cement factories ~13,000 steel plants

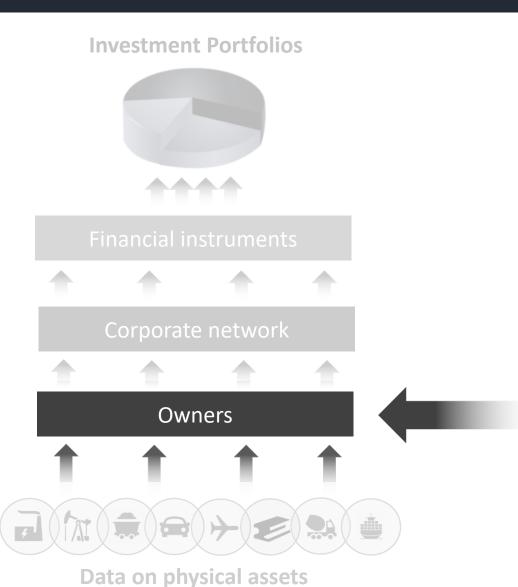






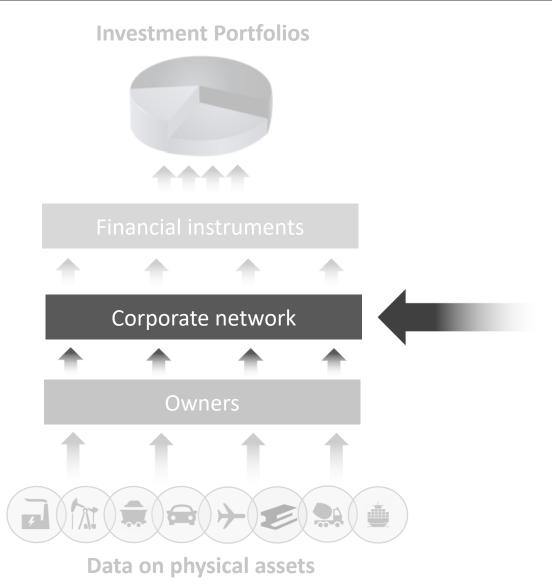


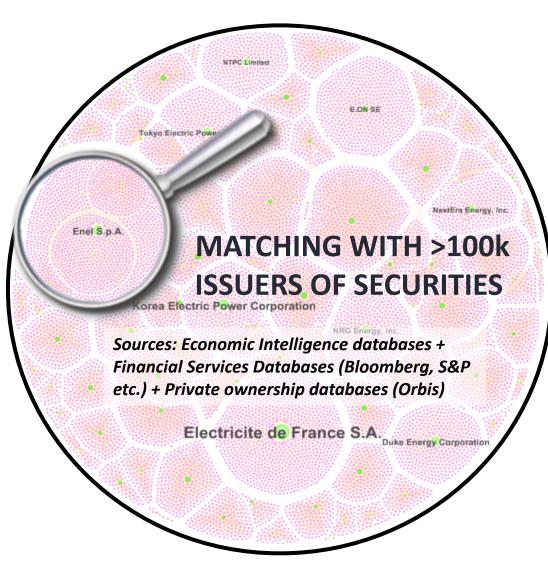
Project level finance



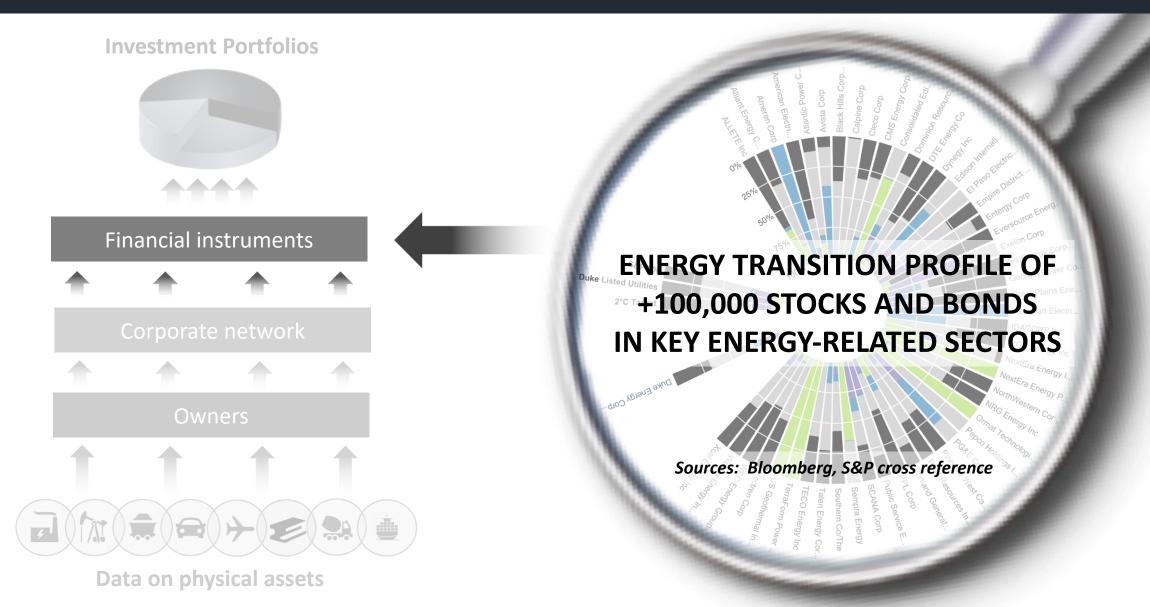


Corporate network

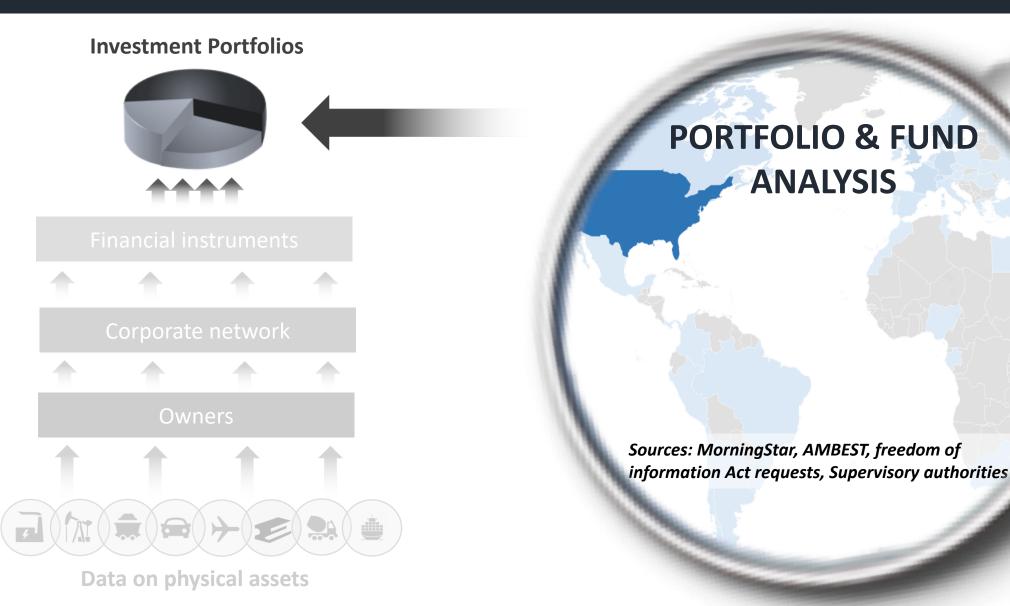




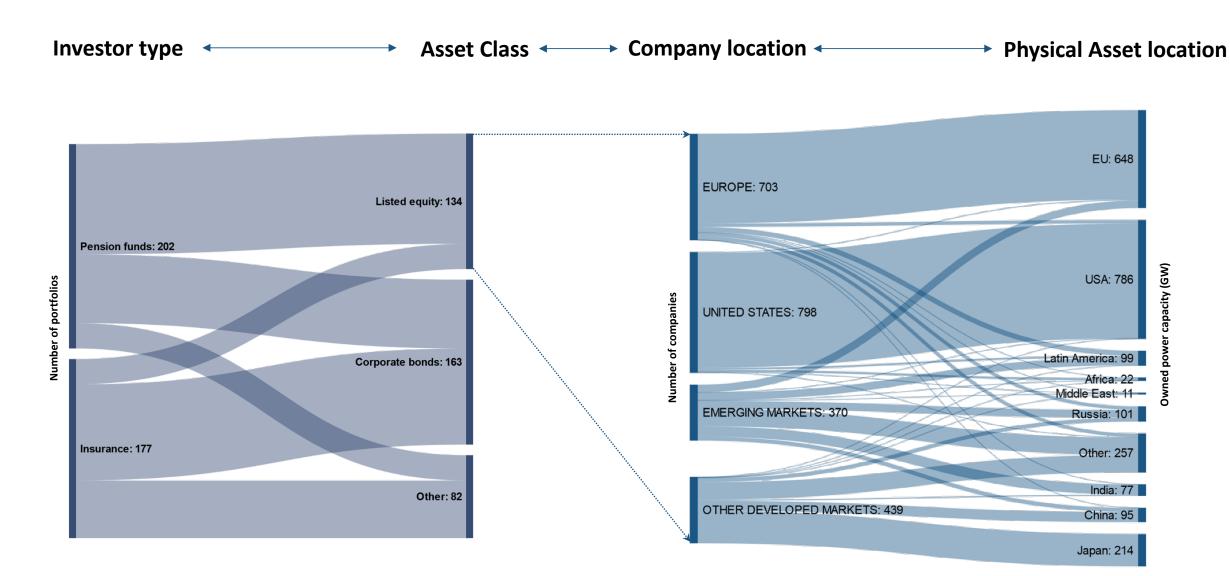
Corporate issuance



Allocation of physical assets to portfolios

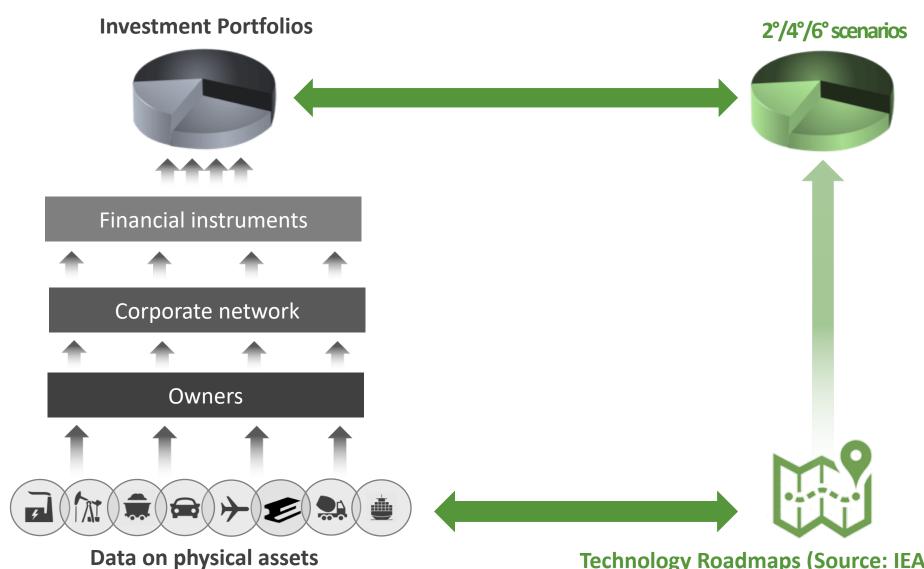


Distribution of financial flows and physical assets



SCENARIO ANALYSIS

Assessing the alignment of portfolios

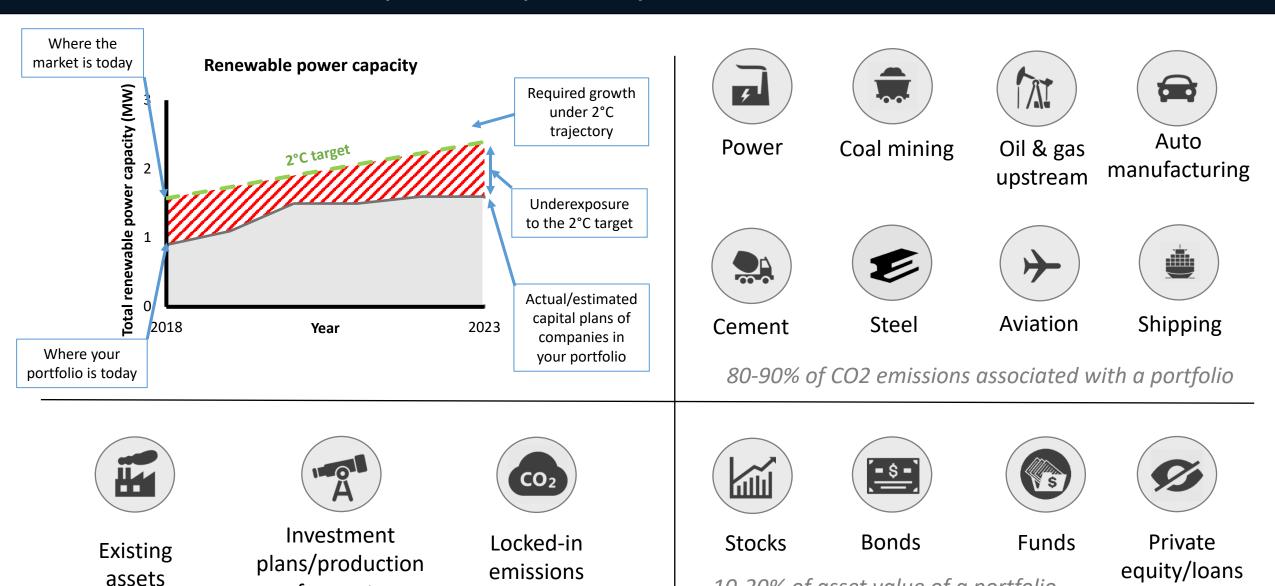


Technology Roadmaps (Source: IEA, Greenpeace etc.)

THE OUTPUTS

Assets and investment plans vs. pathways

forecasts



10-20% of asset value of a portfolio

THE USE CASE

Benchmarking portfolios





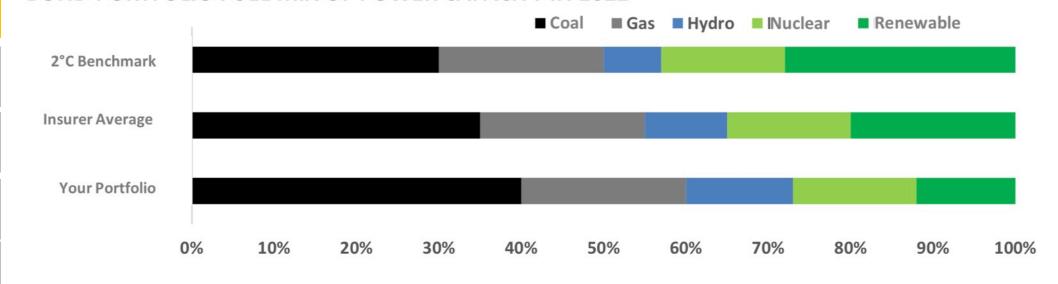
OIL & GAS

COAL MINING

CEMENT

STELL

BOND PORTFOLIO FUEL MIX OF POWER CAPACITY IN 2022

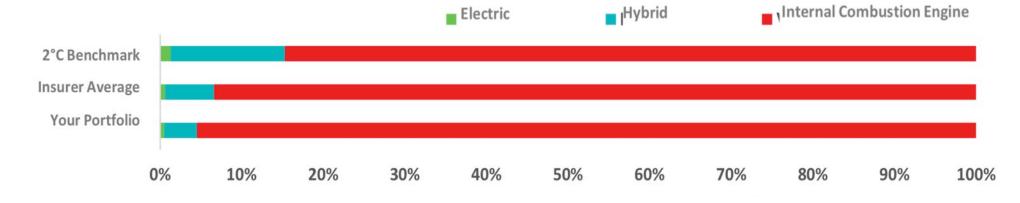


AUTO

AVIATION

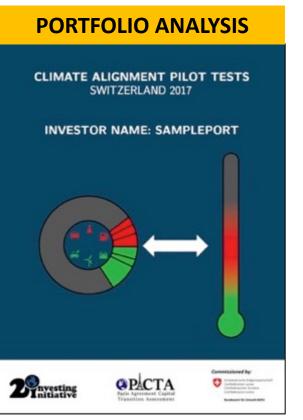
SHIPPING

EQUITY PORTFOLIO TECHNOLOGY MIX OF AUTO PRODUCTION IN 2022

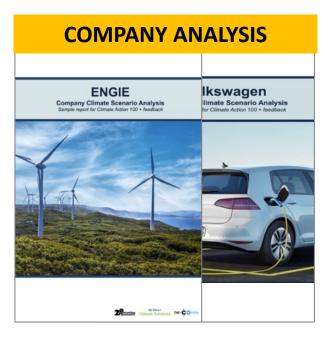


CURRENT APPLICATIONS

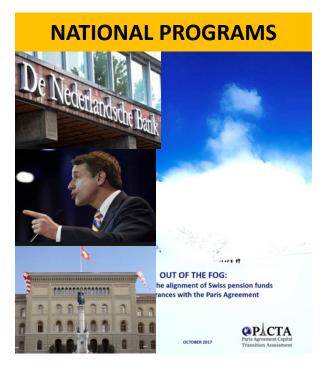
Provided free of charge to companies, investors, regulators and governments



Scenario analysis of investment portfolio. Automated report provided free of charge to investors (>220 to date).



Scenario analysis based on assets and investment plans. Automated report provided free of charge to investors (to be deployed in 2018)



Scenario analysis of domestic investors' portfolios conducted by financial supervisors (3) and/or governments (2) (ongoing)



Platform tracking the progress of financial markets on the Paris Agreement, hosted by UNFCCC. Launch in Q4 2018

www.transistionmonitor.com

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