FINANCIAL CARTOGRAPHY
AND STRESS TESTING

Risk Summit 2015
Cambridge, 22 June 2015

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Network Theory and Financial Risk

New Journal 'Network Theory in Finance' is launched in March 31, 2015

Editor in Chief: *Kimmo Soramäki*

Editorial Board included e.g.
Andrew Haldane, Bank of England
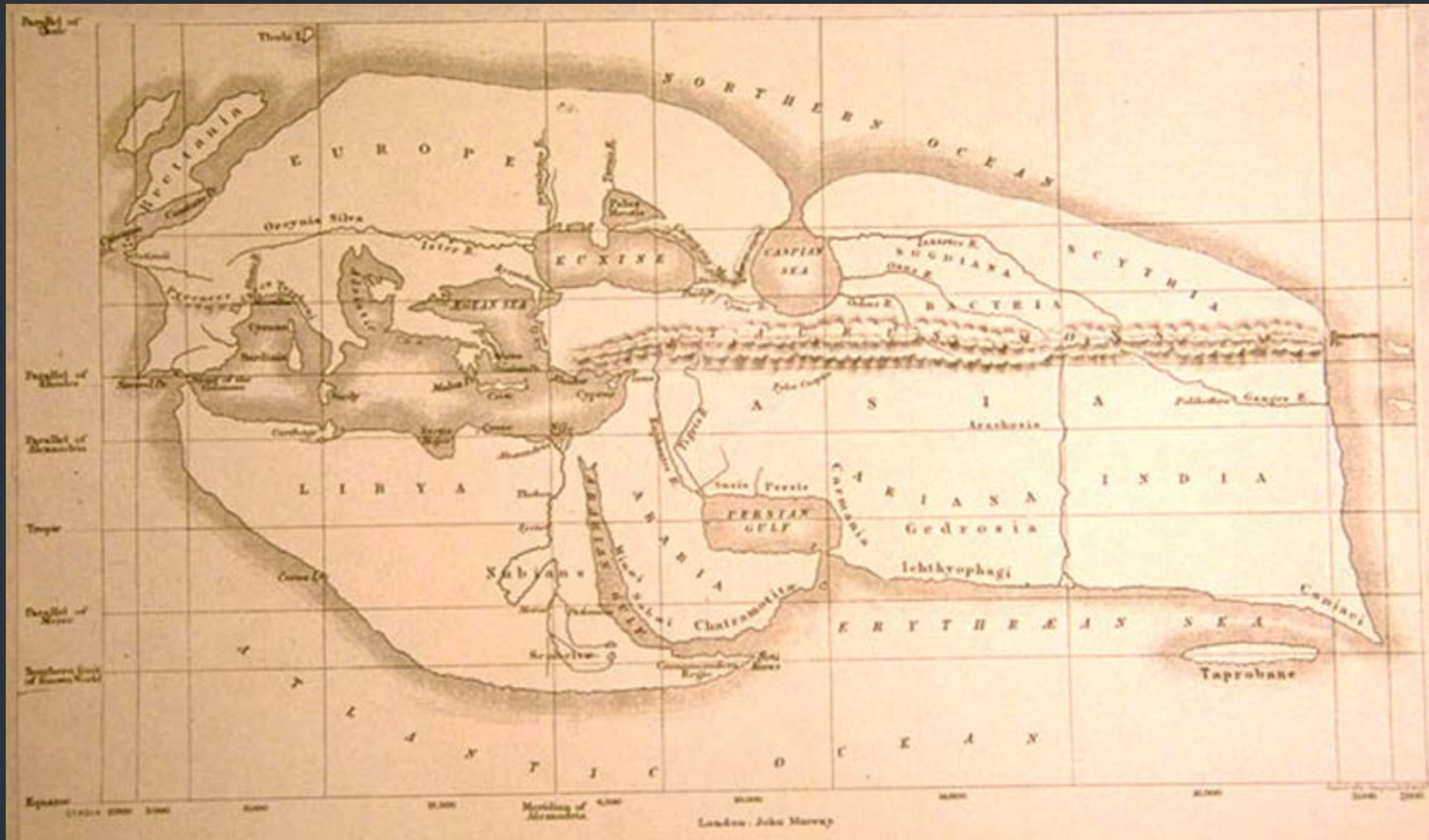*Franklin Allen*, Imperial College/Wharton
Ignazio Angeloni, ECB

"Journal of Network Theory in Finance is an interdisciplinary journal publishing rigorous and practitioner-focused research on the application of network theory in finance. The journal connects academia, regulators and practitioners in solving important issues around financial risk"

**2nd Annual Conference on
9 September 2015 in Cambridge, UK.**

**Call for papers is out!
Submit paper to kimmo@fna.fi**

Maps, Latitudes, Longitudes

Eratosthenes' map of the known world c. 194 BC

Modern Maps

1. Visualize data   2. Place you on the map   3 . Provide directions

Financial Cartography

Korean Interbank Payments
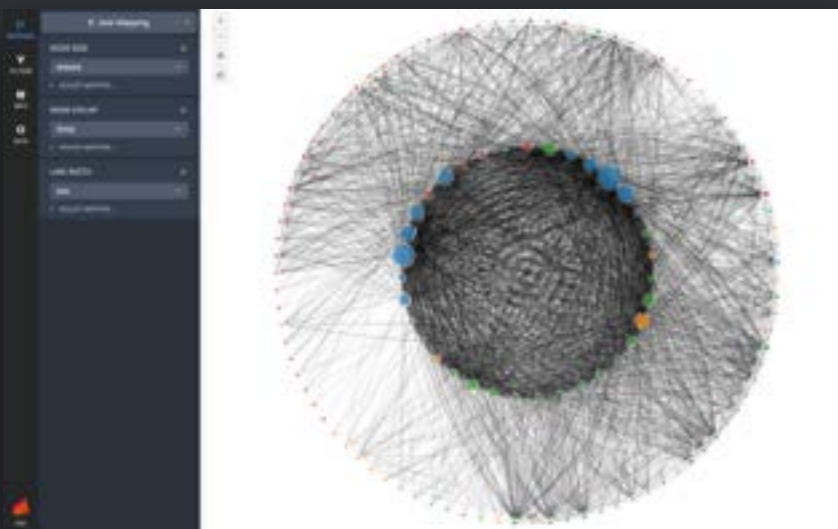
Bank Equity Cross Holdings

International Remittances

CLS Settlement

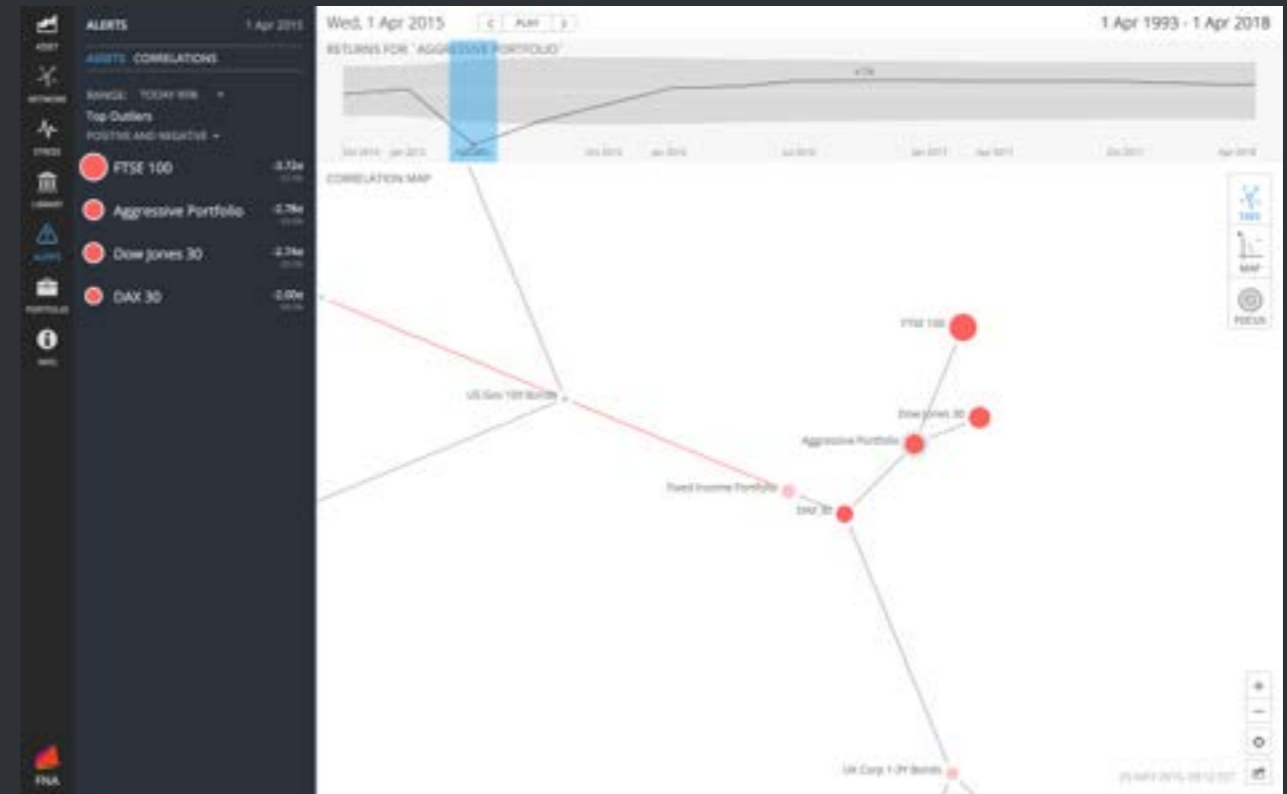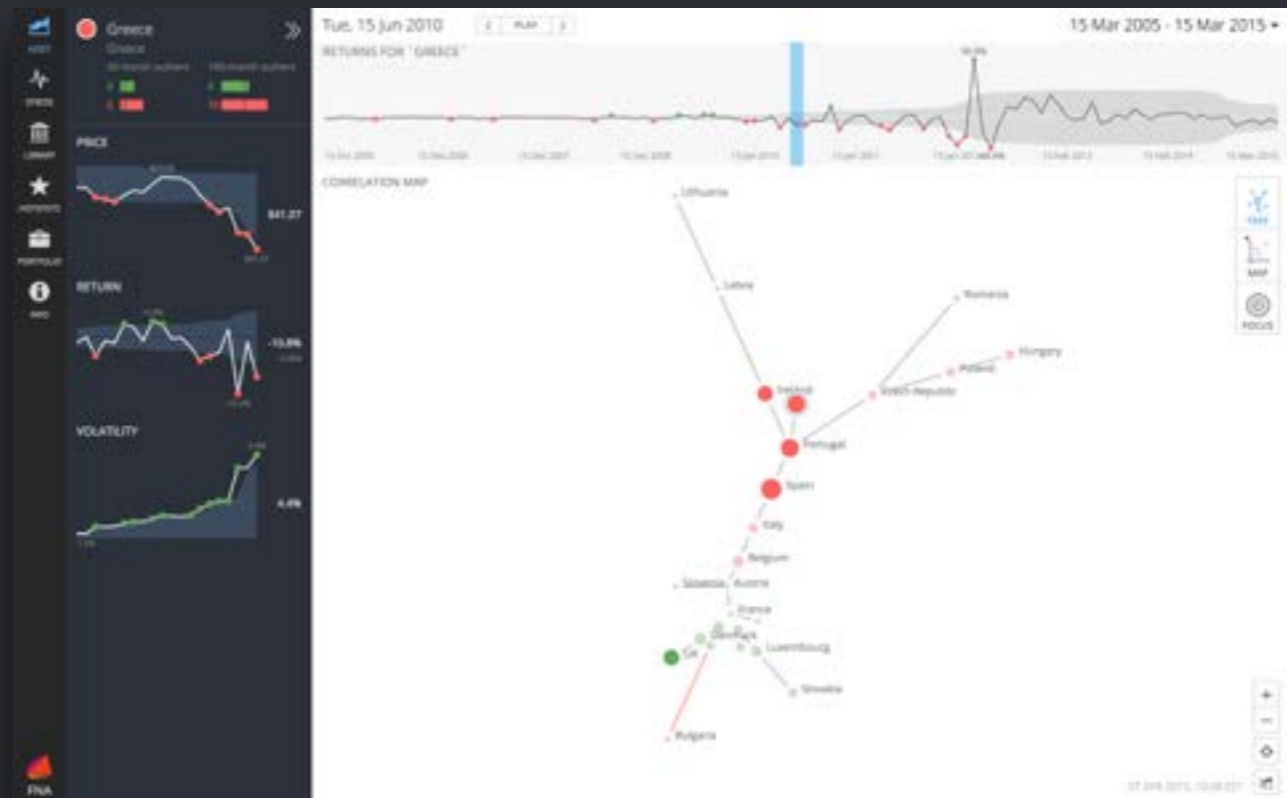

SWIFT Message Flows

Bank-Asset networks

Maps for Portfolio Stress Testing

Global Property Crash
(Cambridge Scenario)

Greek Debt Crisis 2009 -

Global Property Crash

One of several "1-in-100" scenarios developed by the Centre for Risk Studies.

We'll look at the impact of the scenario on a typical insurance investment portfolio.

Headlines:

- China suffers a property crash
- 40% devaluation of prices in 6 months
- China banks write-off their mortgage assets
- Other property-related investment assets devalue

Global Property Crash -Scenario
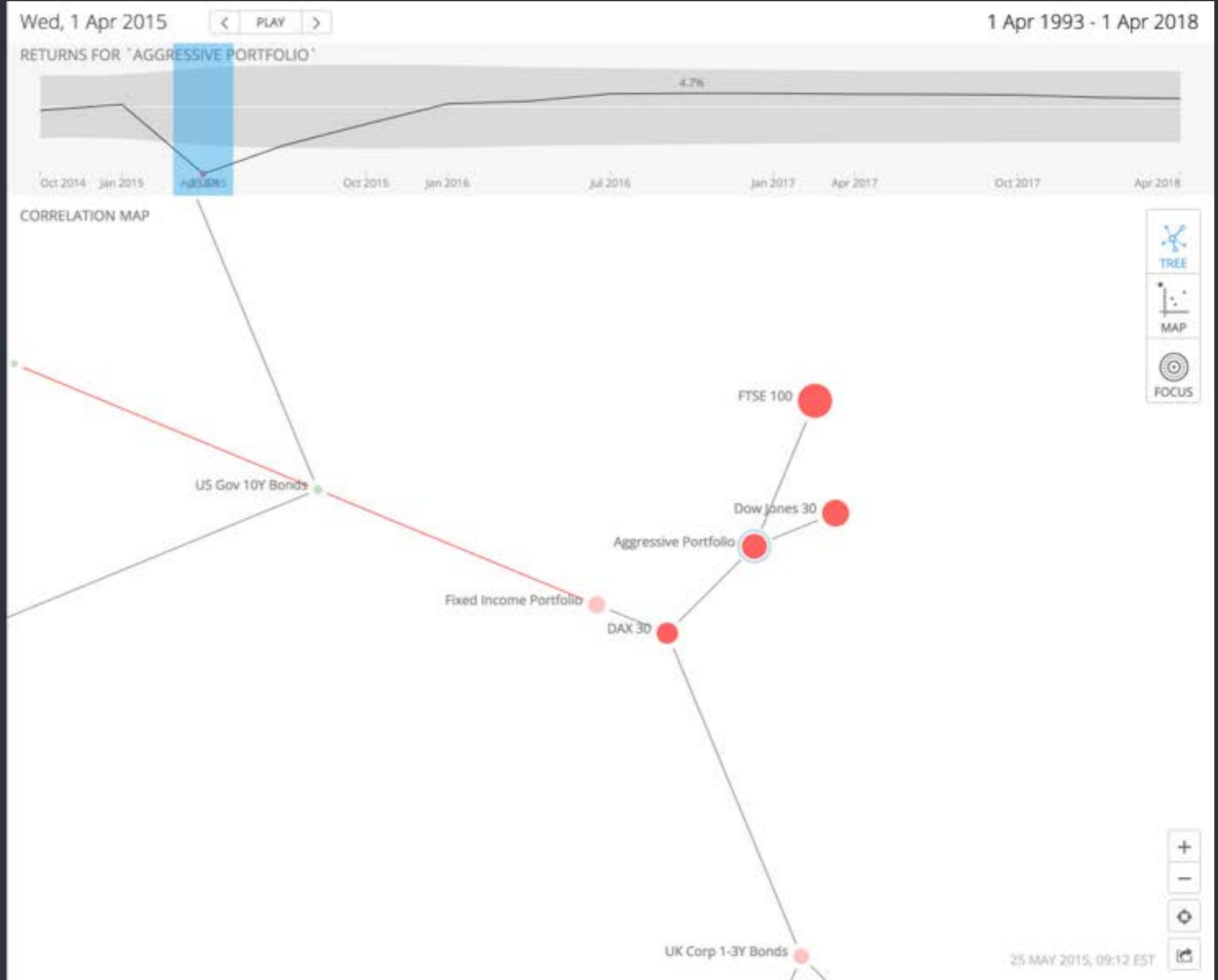
Greek Debt Crisis 2009 -
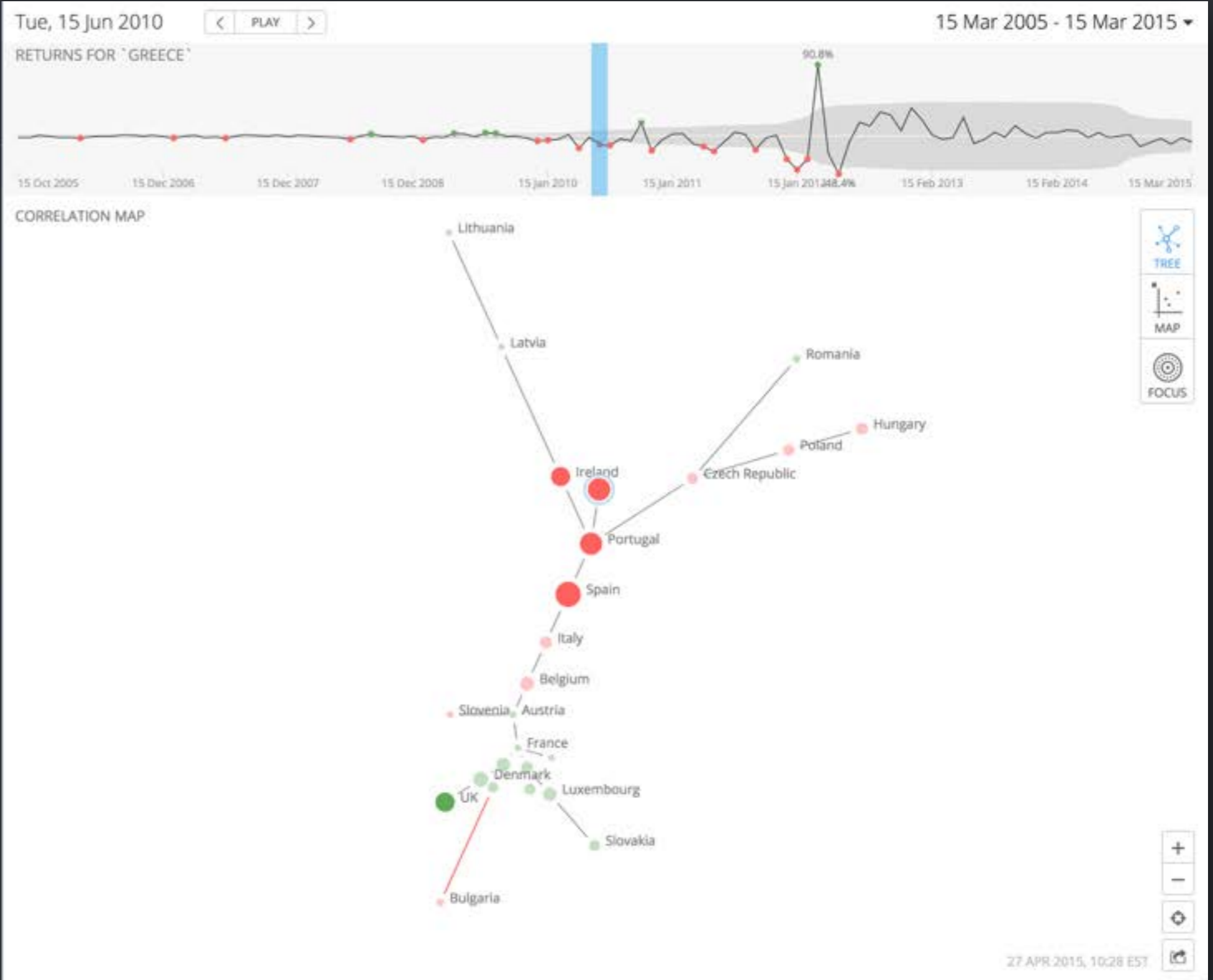
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