



Measuring New Qualities
in Science, Finance
and Economics

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Towards a “Sustainable Investment Network”

A Web 2.0 Proposal for Social Business Angels

The Business

The idea of a Sustainable Investment Network is based on innovative financial forecasting software. To maximise its social benefits, it is meant to become a network of social investors, professional traders and financial advisors who contribute their resources and expertise. Traders would use the software with a view to feeding funds for social businesses. Clients who want to save or invest money specify how to be paid back.

The Software Invention

The invention is a generic method for extrapolating or forecasting. It can be applied to any kind of data, be it financial or related to climate change for example. Furthermore, this extrapolation method works for any time interval: hourly input data produces hourly output, annual input produces annual output.

Applied to four financial portfolios of UK and US shares and indices, it has been tested extensively by two criteria: numerical accuracy and correctness in the prediction of trends. Excel books are available for checking and forecasts have been lodged with an accountant and a lawyer to validate the always well above average figures.

As a mathematician and systems analyst formerly at [CERN](http://cern.ch) where the web was born, I need to raise money to pay software developers. So far, I managed to get a prototype written in Visual Basic. I tested it extensively for financial data of all kinds. I also gave the source code to the senior developer of a major hedge fund who, in his spare time, wrote a new engine in C# and SQL. While this allows for major fine tuning operations, more time is necessary to develop a fully fledged trading system – in cooperation with financial experts.

An Application

The prototype software is called *Visual Data Intelligence* and is the foundation for my collaboration with the *Computing, Communications Technology* and *Mathematics* Department of the *London Metropolitan University*. Together with Prof. Algirdas Pakstas we have secured a grant from the *London Development Agency* to develop a ‘multi-purpose station’ as an application for environmental data. An initial web site is hosted by that department and is under development as the ‘[Climate Monitoring Project](#)’.

A Financial Demonstration

www.3dmetrics.net which is currently under reconstruction, was written as a web application to download market data from Yahoo and to produce daily and weekly forecasts for any portfolio of shares or indices. While testing this data for months for a potential marketing manager, I developed ‘trading measures’ as the basis for making trading decisions. According to the hedge fund programmer this was necessary for his employers who would want to see more than he has time to commit.

Meanwhile this is an invitation to connect – in the spirit of Web 2.0 and [Creating a World without Poverty](#) – the latest book of Nobel Peace winner and founder of the [Grameen Bank](#) [Dr. Yunus](#) – with a view to benefiting from your financial, intellectual or influential capital.