

Daniel Schütze

Qualifications	Master of Biochemistry St Hugh's College, University of Oxford
Languages	German
Year of Birth	1976
Nationality	British
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Current Position at CWA

Director with over 15 years experience of providing specialist Information Technology, data processing and quantitative analysis skills to CWA's Forensic Data Analysis & IT department. These services are often crucial in the investigation of complex trade patterns, which may have been subject to misappropriation of allegations of misappropriations.

Specific Expertise and Experience

Data Analysis Skills

In-depth experience of review and analysis of documentation with the application of spreadsheets and databases (single and multiuser) to efficiently store, interrogate and analyse complex data. Has constructed bespoke databases for the input of multiple sets of data for input by paralegal teams which were under his supervision.

Extensive IT Experience

Able to develop novel solutions to problems by delving into an array of experience and knowledge including; computer hardware setup, operation and diagnostics, Microsoft and 'Unix' Operating Systems, network administration skills, dynamic content web site design including form handling and backend database integration. Further experience of configuration and maintenance of various servers and services.

Specific Expertise and Experience at CWA

Investigations into Alleged Thefts

- Over the years the commodities involved have presented a diverse range of goods from bulk liquids to food stuffs as well as minerals and metals. The goods involved are often stored or handled world-wide and typically under third party control, with storage either on-shore or offshore and transport by ship, pipeline, road and/or rail transport.
- Investigation into alleged loss of mineral commodities stored in warehouse in Europe, with guidance of attending expert and reviewing documentation to seek to establish likelihood of loss and manner of loss, be it in transit to or from the facility.
- Mineral commodities held in lock down by authorities after discovery of local fraud. Analysis of complex trading arrangements involving repeated resale of commodities between traders and banks with reference to contemporary survey records to identify commodities likely to remain in lockdown or at given points in time.
- Review of expert evidence alleging a theft by substitution of metal ore stored in bulk in South American warehouse. Considering likelihood of the alleged cause of theft against a backdrop of alternative possibilities. Collaboration with statistician to determine the significance of various analysis results.
- Consideration of claim arising from theft of Cocoa Beans in storage at African warehousing facilities and also of surrounding contractual trail.
- Investigation into alleged theft of oil at storage and/or in pipeline transit including establishing trading patterns, overall mass balance and dates at which any misappropriation may have taken place.
- Investigation of substantial (over 2.5million MT) oil claim originating from the Persian Gulf. As part of the insurers team, providing analysis, database & IT services to clients (claims handlers), solicitors, barristers and other experts involved. The case involved managing vast discoveries, modifying the originally provided software and hardware for rapid use by legal teams and designing and programming bespoke database to store extracted information and allow rapid retrieval of source documents, managing a team of paralegals performing examination of source documents. Subsequently; the analysis tasks of oil movements and claim evaluation, the examination and critique of the other side's experts' reports, submitting reports before the court, preparing presentations for the Insurers' legal teams and being part of WP (without Prejudice) meetings with the other side's experts.
- Analysis of Russian Sugar warehouse records. Forensic accountancy to examine discovery to establish movements of goods to and from a factory to establish likely periods of loss of goods and means of loss.

Data Analysis

- Valuation of comic collection destroyed by fire. Analysis of manuscript records detailing substantial collection of comics held by recognised collector to establish likely contents of collection destroyed by fire and establish realisable value of the comics had they been auctioned.
- Research into possible causes of contamination of cocoa beans transported in containers and establishing procedure to monitor subsequent cargo in transit.
- Examination of records for 250+ containers involved in the carriage of grapes to establish whether source of damage to grapes was pre or during shipment. Project involved liaison with fruit and refrigeration specialists to provide them rapidly with required data in readily comprehensible form. Support to experts during attendance at court.
- Establishing pricing of commodities or specific market conditions either historically for litigation or current either to determine loss quantum or likelihood of pursuit of claim. Commodities researched ranging from various grades of oil, to crushed garlic and frozen tuna.
- Insurer vs Reinsurer at Swiss Arbitration Provide analysis and reports to legal teams (in the UK and Switzerland) into a large historical loss.
- Sudan I contamination of food stuffs. Fact finding work to establish history, research and lines of enquiry into contamination of processed foods with illegal food dye. Work made available to established experts within the field to prepare their reports into the matter.
- Environmental damage claim. Assisting experts team in particulate modelling, and statistical analysis of crop trials to establish correlation between emissions from a power station and effects on crops of lettuce in proximity.
- Analysis of underwriters' historic loss record. Examination of historical records of a leading London reinsurer, pinpointing key information and assisting in creation of a database to allow rapid historical comparisons of risks being currently underwritten.
- Presentation at arbitration involving gas quality dispute. Liaise with experts to prepare requested slides of highly technical nature, as well as own creative input to simplify analytical results for slide display. Attend arbitration to manage software package which displayed slides on multiple projectors.

Software Development

- Development of bespoke database software to allow capture of selected information for the rapid analysis of voluminous historical business records to establish the pattern of trade.
- Upgrade of loss modelling software to major Swiss Reinsurance company producing initial proposal, liaising with clients during extensive negotiations, discussions with lead developer, alpha/beta testing software, delivering project and liaising with clients during deployment.

- Software sales and support for company's bespoke software. Beta-testing, assisting with development of, presenting to potential clients, offering post-sales support and tuition of bespoke technical software package designed to calculate the Estimated Maximum Loss of explosions at petrochemical plant. The software sold in a variety of forms to a range of clients over this time period and arranging for major upgrades for key clients, including initial pre or post-sale presentations when required.
- Capture of automated operational measurements stored electronically in propriety software, for the subsequent analysis thereof in the investigation of incidents of a diverse nature ranging from the alleged temperate abuse of cargo during maritime transport to the investigation of business interruption losses associated with an explosion during ramp up of a new mineral processing plant.
- Year 2000 compliance. Responsible for audit, preparation and backing up of computer systems to ensure all systems would be fully operational over the 2000-2001 transition and fully operational in the new millennium.

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