

Résumé

Peter Fox

Director

Geospatial Solution Architect
&
Senior Project Manager

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Biographical Information

<i>Full Name</i>	Peter Graham FOX
<i>Date and Place of Birth</i>	26 August 1964, Sydney, Australia
<i>Nationality</i>	British / Australian
<i>Current Position</i>	Director, Spatial Consultants Ltd
<i>Area of Expertise</i>	Senior Project Manager / Solution Architect
<i>Time in Industry</i>	19 years

Key Strengths

- Dynamic Team Leader able to manage and facilitate diverse, multi-disciplinary teams and complex projects, often in a high-pressure, multitasking environment.
- Proven Project Manager, having overseen numerous projects for government and private sector clients delivered within deadline and budget.
- Proven end-to-end Solution Architect, delivering full life cycle projects from developing and promoting the initial business case through to implementation and roll-out.
- Highly skilled in managing client relationships, particularly managing client, team and supplier expectations.
- Strong technical competency in the domain of geospatial data management and visualisation, particularly natural resources and local government infrastructure and planning.
- Strong technical competency in the domain of publishing (print and web-based media).
- Excellent lateral thinker who enjoys creating innovative solutions.
- Excellent communicator with proven written and inter-personal skills.

Summary

Peter is a decisive, action-oriented and results-focused project management professional who for the last 19 years has been delivering projects and services for a variety of private and public-sector clients across a broad industry sector base, ranging in scope from discreet, one-off projects to multi-million-Pound, national government scale implementations. IT projects have featured heavily in Peter's career.

As a proven project manager, he has excellent skills in all stages of the development process (initiation, development, production and closing/maintenance), and expertise in the various aspects of project management, including: resource loading; resource levelling; team building; team consensus; budget management; developing project scope (budgets, timelines, milestones, delivery dates); managing customer relationships; cost avoidance; continuous design improvements; reporting (including chairing status meetings and customer reviews); and risk management. During the course of his career Peter has worked under a number of software development and project management frameworks, with the Unified Software Development Process (iterative and incremental) and Prince 2 being his most commonly used methodologies today.

He is an energetic team player, committed to providing the highest level of service to his clients and colleagues. He enjoys the challenge of devising innovative solutions that meet and preferably exceed client and team expectations. In consulting, Peter believes it is essential to maintain a business focus and resist the allure of purely technological solutions. Peter is happiest when working with creative, talented people.

Industry Experience

Following is a list of clients for which Peter has completed projects in a Project Manager or Solutions Architect role:

<i>Sector</i>	<i>Client</i>
<i>Defence</i>	Commonwealth Department of Defence - Facilities & Properties Division (AUS)
<i>Energy</i>	Broken Hill Proprietary Ltd (now BHP Billiton Plc) (AUS) Commonwealth Department of Minerals & Energy (AUS) Energy Research & Development Corporation (AUS)
<i>Heritage</i>	Allerdale Borough Council / Keswick Area Partnership (UK) Australian Heritage Commission (AUS) Australian War Memorial (AUS) Commonwealth Department of Tourism (AUS) New South Wales National Parks and Wildlife Service (AUS)
<i>Natural Resources</i>	Australian Biological Resources Study (AUS) Australian Geological Survey Organisation (AUS) Bureau of Resource Sciences (AUS) Commonwealth Department of Environment (AUS) Commonwealth Scientific and Industrial Research Organisation (AUS) Environmental Resources Information Network (AUS) National Dryland Salinity Programme (AUS) National Land and Water Resources Audit Australia (AUS) National Resource Information Centre (AUS)
<i>Planning & Local Government</i>	Allerdale Borough Council (UK) Australian Capital Territory Department of Urban Services (AUS) Australian Capital Territory Planning and Land Management Agency (AUS) Australian Land Information Group (AUS) Eden District Council (UK)
<i>Publishing</i>	Australian Capital Territory Department of Environment (AUS) Australian National Parks & Wildlife Service (AUS) New South Wales National Parks and Wildlife Service (AUS) Steve Parish Publishing (AUS) South Australian Parks and Wildlife Service (AUS) South Pacific Science Press (AUS)
<i>Social Services</i>	NCH The Childrens' Charity (UK)

Selected Projects

Senior Project Manager : Keswick Museum and Art Gallery Redevelopment Project (Cumbria) : 2004-2008. On contract to Allerdale Borough Council, Peter has led a multi-disciplinary team to define a £3.5m development project for Keswick Museum & Art Gallery. This has included managing a team comprising: architects; quantity surveyors; economists; heritage specialists; museum and Council staff; and a Steering Group of local stakeholders. Peter has taken a lead role in the preparation of a wide range of project documentation, including: Project Plan; various project specification documents; Options Appraisal and Feasibility Study; Business Plan; and funding applications.

The project is shortly coming to an end with the lodging of capital funding bids to Allerdale Borough Council, Heritage Lottery Fund and others. Should the funding bids be successful, a new project team will be established (in October 08) to oversee the development.

Solution Architect : IT Project Documentation for NCH The Children's Charity (Warrington) : 2007. Peter developed project documentation for the NCH Youth Texting Pilot Project (a project designed to test the viability of implementing a system which will allow NCH youth workers to communicate with their 5,000+ clients via SMS, utilising O₂/Infracast's Managed Text application). Documentation prepared followed the Prince 2 framework and included: Project Initiation (PID); Business Requirements Specification; User Acceptance Testing (UAT); NCH Project Bid Form; and Selection Criteria for NCH Project Inclusion documents. This was a discreet project delivered within a very tight timeframe.

Project Leader : Australian Natural Resources Atlas Online (Canberra, Australia) : 1998-2001. As Project Leader, Peter led a multi-disciplinary team to develop the multi-million dollar, online Australian Natural Resources Atlas for the Commonwealth Government of Australia. This involved the live, dynamic web delivery of complex information products including text, tables, photographs, charts, static and dynamic maps (ArcIMS) supported by programmed delivery (ColdFusion) from relational databases (Oracle and SQL Server) across a distributed network of national, state and local data sources. This IT development project is one of Peter's greatest successes, and nearly ten years' on, the Atlas continues to be the Australian Government's primary information resource on the country's natural resources. It can be viewed at <http://www.anra.gov.au>

Project Manager : Migration of Allerdale Borough Council's Local Authority GIS (Cumbria) : 2004. On contract to Allerdale Borough Council, Peter oversaw the initial stages of the development and implementation of the Borough's new BS7666 Corporate Gazetteer, which in turn feeds data into the UK's National Land and Property Gazetteer. Other achievements during this time included: migrating the Council's formerly disparate (and in some cases paper-based) land and property systems to a new, fully digital Oracle-based Land and Property application suite; managing the migration of the Council's various geo-enabled systems from OS Landline to OS MasterMap base-mapping; and establishing the Borough's corporate GIS Data Capture Project, the aim of which was (and continues to be) the creation digital datasets from the Council's numerous paper-based records. This work has resulted in significant improvements in the speed and accuracy of Planning and Land Charges and Planning searches.

Project Manager : Strategic GIS for East Coast Armaments Complex (Canberra, Australia) : 1993-4. Peter led a team of specialists for the specification of a strategic GIS to support the environmental assessment process for Australia's proposed East Coast Armament Complex (Commonwealth Department of Defence, Australia). Key deliverables included: User requirements analysis; Cost-benefits analysis; Project cost and time budget; Detailed system specification; Metadatabase.

Enterprise Applications Experience

<i>Sector</i>	<i>Applications</i>
<i>Database Systems</i>	Oracle 10gR232 + Spatial MS SQL Server MS Access
<i>GIS / Spatial Applications</i>	ESRI ArcGIS GDC GeoPlatform Suite FME tools Innogistic Cartology MapInfo + MapBasic Tenet MapRite
<i>Planning & Land Management</i>	BS7666 Land and Property Gazetteer Standard Northgate iLAP suite (gazetteer, planning, land charges, building control)
<i>Publishing</i>	Adobe Publishing Suite (Photoshop, Illustrator, InDesign)

Professional Qualifications

Graduate Diploma in Applied Science, University of Canberra, 1992

Bachelor of Arts (Geography), Australian National University, 1987

Professional Associations

Association for Geographic Information
 Australian Society of Authors
 Heritage Interpretation Association Australia
 Heritage Interpretation Association UK
 Museums Association

Personal Interests

Outside of work Peter enjoys tennis, cycling, fellwalking and reading. His favourite creative pursuits include photography and writing. He is a published author of a number of popular travel guidebooks and his current writing project is an historical adventure series for young adults. He is also greatly interested in Viking archaeology; a passion which has led him on several exciting overseas expeditions.

Employment History

Jun 2007 to present **Spatial Consultants Ltd**

Director / Senior Project Manager / Solution Architect

Peter provides specialist IT and GIS consultancy services for clients in the public and private sectors. Please refer to the Spatial Consultants' corporate profile for full details on the services we offer.

Oct 2004 to Jan 2008 **Allerdale Borough Council, Cumbria**

Manager, Heritage Projects (Contract)

Peter is responsible for project managing the development and/or delivery a number of key regeneration projects across the Borough, all of which have a significant heritage component. Total project budgets are in excess of £10million, with the redevelopment of Keswick Museum and Art Gallery being the most significant project.

Jan 2004 to Sep 2004 **Allerdale Borough Council, Cumbria**

Geographic Information Officer

As Geographic Information Officer, initiated the implementation of a number of major corporate IT infrastructure and data projects, including Allerdale's Oracle-based Land and Property Gazetteer, GIS Data Capture Project, and the installation of a centralised Oracle GIS data warehouse. Peter was also responsible for the maintenance of the Authority's core geographic data, as well as responding to day-to-day requests from service areas, staff, contractors, suppliers, members of the public and Councillors.

Mar 2003 to Jan 2004 **Eden District Council, Cumbria**

GIS Data Manager (Contract)

Working with Eden District Council's GIS Development Officer, Peter implemented an online (web-based) mapping system for public and internal use; developed and populated a corporate spatial data catalogue; undertook migration of geospatial data from various sources into corporate GIS-ready form; prepared help and procedures documentation; and applied best-practice principles to EDC's day-to-day data management.

Sep 2001 to Mar 2007 **The Beaten Track Group Pty Ltd**

Director / Client Account Manager / Senior Project Manager

The Beaten Track Group Pty Ltd (BTG) provides consultancy services to private and public sector clients in the areas of Geographic Information Systems and Internet/Intranet Applications. The Beaten Track Group was formed in mid 2001 as a result of a merger of Beaten Track Press and EarthWare Systems (Australia) Pty Ltd.

Peter's role as Director was to oversee overall business direction, provide leadership to staff, create and develop business opportunities and undertake high-level client liaison, project management and creative direction. Having decided to remain in the UK, Peter resigned his directorship in early 2007.

Jun 1996 to Sep 2001 EarthWare Systems (Australia) Pty Ltd

Project Manager / Solution Architect

As a consultant to EarthWare Systems (Australia) Pty Ltd, provided consultancy services to clients in the IT and Geospatial sectors. Tasks included: business analysis, project management, client liaison and reporting, user requirements analysis, functional specification, WWW site design, preparation of project reports and tender documentation. In September 2001 EarthWare Systems (Australia) Pty Ltd merged with Beaten Track Press to form a new company, The Beaten Track Group Pty Ltd.

Jul 1994 to Sep 2001 Beaten Track Press

Publishing Manager/Proprietor

Beaten Track Press specialised in the production of quality interpretive publications in association with various heritage management agencies, including: books; guides; posters; maps; cards and other related materials. BTP also developed opportunities in digital publishing, particularly through on-line delivery media such as the World Wide Web. Peter's role as Publishing Manager was to manage the production of BTP's various publications, as well as oversee BTP's internet and WWW projects. As an author, Peter wrote five of BTP's guidebooks. In September 2001 Beaten Track Press merged with EarthWare Systems (Australia) Pty Ltd to form a new company, The Beaten Track Group Pty Ltd.

Sep 1991 to Jul 1994 Callahan Fox & Associates

Partner / Project Manager / Solution architect

CF&A provided consulting services in the fields of information management and Geographic Information Systems, focussing upon strategy development and spatial systems implementation. CF&A also undertook a range of publishing-related projects during this time, including the provision of print production services to external clients. Peter's role as Principal was to provide high level client liaison, business and project management support to our consulting staff, and to oversee the development and production of publications/reports.

Feb 1990 to Sep 1991 Australian Heritage Commission

Consultant Curator of Photographs - Register of the National Estate

Developed and implemented a Collection Management Plan for the AHC's large collection of photographs for the Register of the National Estate.

May 1987 to Feb 1990 Department of Registration / Gallery of Aboriginal Australia, National Museum of Australia

Curatorial Assistant / Assistant Curator

Prepared correspondence, briefings and collection documentation, in addition to undertaking research and exhibition development. Supervised two Aboriginal Cadets. Prepared sensitive materials for return to Aboriginal communities. Liaised with external agencies. Maintained the Register of the National Historical Collection and developed interim computer information systems to improve control over the collection.

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Role	Senior Project Manager / Solution Architect
Time in Industry	19 years

Key Strengths

- Dynamic Team Leader able to manage and facilitate diverse, multi-disciplinary teams and complex projects, often in a high-pressure, multitasking environment.
- Proven Project Manager, having overseen numerous projects for government and private sector clients delivered within deadline and budget; often with increased outputs and savings.
- Proven end-to-end Solution Architect, delivering full life cycle projects from developing and promoting the initial business case through to implementation and roll-out.
- Experienced production manager in the publishing sector, overseeing projects through the complete production process.
- Highly skilled in managing client, supplier and project team relationships.
- Strong technical competency in the domain of geospatial data management and visualisation, particularly natural resources and local government infrastructure and planning.
- Strong technical competency in the domain of publishing (print and web-based media).
- Excellent lateral thinker who enjoys creating innovative solutions.
- Excellent communicator with proven written and inter-personal skills.

Professional Qualifications

Graduate Diploma in Applied Science, University of Canberra, 1992

Bachelor of Arts (Geography and Archaeology), Australian National University, 1987

Professional Associations

- Association for Geographic Information
- Australian Society of Authors
- Heritage Interpretation Association Australia
- Heritage Interpretation Association UK
- Museums Association

Recommendation

“Peter has had an exceptional year both in terms of his delivery of KMAG [Keswick Museum and Art Gallery] project objectives and by advancing a range of additional work objectives in his wider role. Peter has been a tremendous help since the departure of the Heritage and Arts Manager and his sterling efforts have enabled the heritage service to move forward under very difficult circumstances. The Council is very thankful for Peter’s input, as indeed I am.”

– Mark Edwards, Leisure Services Manager, Allerdale Borough Council, May 2007.

Personal Qualities

Peter is a decisive, action-oriented and results-focused project management professional who for the last nineteen years has been delivering projects and services for a variety of private and public-sector clients across a broad industry sector base, ranging in scope from discreet, one-off projects to multi-million-Pound, national government scale implementations. IT projects (particularly those with a spatial dimension) have featured heavily in Peter’s career.

Importantly, Peter’s strong work ethic is balanced by his Aussie heritage (and a keen interest in cricket), which results in the injection of a healthy measure of humour and sanity to his work.

As a proven project manager, he has excellent skills in all stages of the development process and expertise in the various aspects of project management. During the course of his career Peter has worked under a number of software development and project management frameworks, most recently Prince 2. He is an energetic team player, committed to providing the highest level of service to his clients and colleagues. He enjoys the challenge of devising innovative solutions, and is happiest when working with creative, talented people.

Outside of work Peter enjoys tennis, cycling, fellwalking and reading. His favourite creative pursuits include photography and writing. He is a published author of a number of popular travel guidebooks and his current writing project is an historical adventure series for young adults. He is also greatly interested in Viking archaeology; a passion which has led him on several exciting overseas expeditions.

Industry Experience

Below are clients for which Peter has completed projects as a Project Manager or Solution Architect:

<i>Sector</i>	<i>Client</i>
<i>Defence</i>	Department of Defence: Facilities & Properties Division (AUS)
<i>Energy</i>	Broken Hill Proprietary Ltd (now BHP Billiton Plc) (AUS) Department of Minerals & Energy (AUS) Energy Research & Development Corporation (AUS)
<i>Heritage</i>	Allerdale Borough Council / Keswick Area Partnership (UK) Australian Heritage Commission (AUS) Australian War Memorial (AUS) Department of Tourism (AUS) New South Wales National Parks and Wildlife Service (AUS)
<i>Natural Resources</i>	Australian Biological Resources Study (AUS) Australian Geological Survey Organisation (AUS) Bureau of Resource Sciences (AUS) Department of Environment (AUS) Scientific and Industrial Research Organisation (AUS) Environmental Resources Information Network (AUS) National Dryland Salinity Programme (AUS) National Land and Water Resources Audit Australia (AUS) National Resource Information Centre (AUS)

Industry Experience (Cont'd)

<i>Sector</i>	<i>Client</i>
<i>Planning & Local Government</i>	Allerdale Borough Council (UK) Australian Capital Territory Department of Urban Services (AUS) Australian Capital Territory Planning & Land Management Agency (AUS) Australian Land Information Group (AUS) Eden District Council (UK)
<i>Publishing</i>	Australian Capital Territory Department of Environment (AUS) Australian National Parks & Wildlife Service (AUS) New South Wales National Parks and Wildlife Service (AUS) Steve Parish Publishing (AUS) South Australian Parks and Wildlife Service (AUS) South Pacific Science Press (AUS)
<i>Social Services</i>	NCH The Childrens' Charity (UK)

Enterprise Applications Experience

<i>Sector</i>	<i>Applications</i>
<i>Database Systems</i>	Oracle 10g + Spatial MS SQL Server MS Access
<i>GIS / Spatial Applications</i>	Dotted Eyes SuperpOSe and InterpOSe ESRI ArcGIS, ArcIMS, ArcSDE GDC GeoPlatform Suite FME tools Innogistic Cartology MapInfo + MapBasic Tenet MapRite
<i>Planning & Land Management</i>	BS7666 Land and Property Gazetteer Standard Northgate iLAP suite (gazetteer, planning, land charges, building control) Ordnance Survey MasterMap and Integrated Transport Network (ITN)
<i>Publishing</i>	Various, inc. Adobe Publishing Suite (Photoshop, Illustrator, InDesign)

Project History - Geospatial Consulting Projects

Peter has been involved in numerous consulting projects across the publishing, IT and Geospatial domains, chiefly in senior roles. Following is a selection of projects with a strong geospatial element.

Client Rural Payments Agency (Defra), Reading
Project Rural Land Register Programme – Data Refresh Project
Duration 2008 - present
Team Multi-disciplinary team, including Accenture, Atos, Bearing Point, Spatial Consultants
Role Project Manager
Key outcomes Responsible for the delivery of the RLR Data Refresh Project; a complex 2-year, £10m transformational programme of work to update one of the Rural Payments Agency’s core datasets, the Rural Land Register (RLR). Overseeing a project team of 57 people, manage the process of updating the Agency’s 2.2million land parcels from 2001 base mapping to PAI-rectified current OS base mapping.

Client Allerdale Borough Council, Cumbria
Project UK Local Authority GIS
Duration 2004 (- 2007)
Team Sole Contractor
Role GIS Officer
Key outcomes On contract to Allerdale Borough Council, oversaw the initial stages of the development and implementation of the Borough’s BS7666 Corporate Gazetteer. Other achievements during this time included: migrating the Council’s formerly disparate (and in some cases paper-based) land and property systems to a new, fully digital Oracle-based Land and Property application suite; managing the migration of the Council’s various geo-enabled systems from OS Landline to OS MasterMap base-mapping; and establishing the Borough’s corporate GIS Data Capture Project, the aim of which was the creation digital datasets from the Council’s numerous paper-based records. This work has resulted in significant improvements in the speed and accuracy of Land Charges and Planning searches. Assisted in the recruitment of a permanent GIS Officer, then provided ad-hoc assistance to GIS team through 2005-2007.

Client Eden District Council, Cumbria
Project UK Local Authority GIS
Duration 2003
Team Sole Contractor
Role GIS Data Manager
Key outcomes On contract to Eden District Council, and working with Eden District Council’s GIS Development Officer, implemented an online (web-based) mapping system for public and internal use; developed and populated a corporate spatial data catalogue; undertook migration of geospatial data from various sources into corporate GIS-ready form; prepared help and procedures documentation; and applied best-practice principles to EDC’s day-to-day data management. Also assisted staff in the use of the corporate GIS (Cartology Innogistic), including installation of client GIS application on users’ machines as required.

Client Land and Water Resources Research & Development Corporation/Environment Australia/Bureau of Rural Sciences
Project Australian Natural Resources Atlas
Duration 1998 - 2003
Team Beaten Track Press, EarthWare Systems (Australia), ESRI Australia, and LandInfo/SKM
Role Project Leader / Senior Solution Architect

Key outcomes Development of a multi-million dollar, online Australian Natural Resources Atlas for the Commonwealth Government of Australia. This involved the dynamic web delivery of complex information products including text, tables, photographs, charts, static and dynamic maps (ArcIMS) supported by programmed delivery (ColdFusion) from relational databases (Oracle and SQL) across a distributed network of national, state and local data sources. The application uses interoperable web services to access data directly from the custodian. Agreed theme-based standard schemas allow agencies to deliver web services that can be accessed and collated by the ARO application. OpenGeospatial Consortium (OGC) standards for web map services and web feature services are utilised to allow for interoperability with other applications and users. The Atlas continues to be the Australian Government’s primary information resource on the country’s natural resources, and can be viewed at <http://www.anra.gov.au>.

Client **PPK Environment and Infrastructure/Murray-Darling Basin Commission**
Project Salinity Tools Website
Duration 2000 - 2001
Team Beaten Track Press and EarthWare Systems (Australia)
Role Solution Architect
Key outcomes Development of an interactive, GI-enabled website for the provision of practical information and tools for the management of dryland salinity in the Murray Darling Basin.

Client **Land and Water Resources Research & Development Corporation**
Project National Land & Water Resources Audit Website
URL <http://www.nlwra.gov.au>
Duration 1998 - 2001
Team Beaten Track Press and EarthWare Systems (Australia)
Role Solution architect
Key outcomes Facilitated the establishment of the Audit’s presence on the internet. Achieved a key business objective by providing an effective framework for Audit members and clients to communicate on Audit projects, as well as reinforcing the Audit’s image as a leading research agency. Key deliverables: GI-enabled dual high-end and low-end websites delivered simultaneously from single source to cater for well-connected and remote users respectively; context-sensitive, dynamically-generated navigation menus; extremely low-maintenance site.

Client **South Pacific Science Press**
Project South Pacific Science Press Website (GIS User, Measure & Map, SBN, EBN)
Duration 1997 - 2001
Team Beaten Track Press and EarthWare Systems (Australia)
Role Solution Architect
Key outcomes Facilitated the establishment of South Pacific Science Press’s presence on the internet. Key deliverables included: low-maintenance, low-cost website; automated generation and population of navigation and some content; password-controlled areas for subscribers; automated bulk-email dissemination system for electronic versions of industry newsletters.

Client **ACT Land Information Centre (ACTLIC)**
Project ACTMAP tender specification
Duration 1998
Team EarthWare Systems (Australia) and Project Support Services
Role Senior Consultant
Key outcomes Facilitated the successful selection of a business partner to implement PALM’s new digital cadastre of the ACT via the Web and intranet; thereby ensuring the ACT Government’s continued ability to provide the highest quality data and service to its customers. Provided a

robust and transparent selection process, managed the preparation of the EOI and RFP documentation, and provided expert advice during tender evaluation.

Client Energy Research & Development Corporation
Project EnergySearch Web-based energy research database
Duration 1996 - June 1997
Team Beaten Track Press and EarthWare Systems (Australia)
Role Senior Consultant
Key outcomes Build and maintain a dynamic Web-based national database of Australian energy research. Oversaw and assisted in the preparation of project documentation (including user requirements analysis, functional specification, system specification), and tracked progress and resource expenditure by project team members.

Client Australian Surveying and Land Information Group
Project AUSLIG Geodata 1:250,000 Topo Incremental Upgrade Project
Duration 1994
Team Callahan Fox & Associates
Role Project Manager
Key outcomes Built an Incremental Update module in the ARC/INFO GIS application so that updates to digital topographic data can be incorporated into existing maps automatically. Key deliverables included: Detailed system specification; purpose-built, ARC/INFO-based incremental updating programs and AMLs.

Client BHP Information Technology
Project RADCOM Project
Duration 1994
Team Callahan Fox & Associates
Role Project Manager
Key outcomes Provided services in ARC/INFO programming to BHP’s GIS team. Using AUSLIG’s Geodata 1:250,000 digital maps, updated and compiled GIS maps for RADCOM coverages. Key deliverables included: Updated and cleaned 1:250:000 GIS map coverages; set of ARC/INFO AMLs for cleaning and updating coverages.

Client Department of Defence - Project Director Base Development
Project East Coast Armament Complex GIS for Environmental Information
Duration 1993 - 1994
Team Callahan Fox & Associates
Role Solution Architect
Key outcomes Specified a strategic GIS to support the environmental assessment process for the East Coast Armament Complex. Provided procedures and quality assurance guidelines to enable future projects to be undertaken effectively and efficiently. Key deliverables included: User requirements analysis; Cost-benefits analysis; Project cost and time budget; Detailed system specification; Metadatabase.

Client Australian Heritage Commission - National Wilderness Inventory
Project Consultancy to update the Victorian National Wilderness Inventory (NWI)
Duration 1993 - 1994
Team Callahan Fox & Associates
Role Project Manager
Key outcomes Collated GIS data from relevant Victorian State agencies and analysed this data to update the Victorian NWI. Data agreements between the Commonwealth and Victorian Government were developed by CF&A. Key deliverables included: NWI primary datasets cleaned and attributed; NWI analysed datasets; Report.

Client Environmental Resource Information Network (ERIN)
Project Consultancy to create a metadatabase of vegetation datasets for the Murray-Darling Basin
Duration 1993
Team Callahan Fox & Associates
Role Senior Consultant
Key outcomes Surveyed and compiled a metadatabase using NRIC’s PCQuest software of vegetation datasets of the Murray-Darling Basin. Key deliverables included: Spatial metadatabase of vegetation datasets in the MDB.

Client Australian Biological Resources Study (ABRS)
Project Consultancy to develop the ABRS’s information technology strategy
Duration 1993
Team Callahan Fox & Associates
Role Consultant
Key outcomes Examined ABRS’s use of information technology and developed an information technology strategy aimed at improving the organisation’s efficiency and effectiveness. Key deliverable: Information Technology Strategy report.

Career Summary

- 2007 to present** **Spatial Consultants Ltd**
Director / Senior Project Manager / Solution Architect

- 2005 to 2008** **Allerdale Borough Council, Cumbria**
Project Manager (Keswick Museum and Art Gallery Redevelopment) then Manager: Heritage Projects (both Contract)

- 2004** **Allerdale Borough Council, Cumbria**
Geographic Information Officer

- 2003 to 2004** **Eden District Council, Cumbria**
GIS Data Manager (Contract)

- 2001 to 2007** **The Beaten Track Group Pty Ltd**
Director / Client Account Manager / Senior Project Manager

- 1996 to 2001** **EarthWare Systems (Australia) Pty Ltd**
Project Manager / Solution Architect

- 1994 to 2001** **Beaten Track Press**
Publishing Manager / Proprietor

- 1991 to 1994** **Callahan Fox & Associates**
Partner / Project Manager / Solution architect

- 1990 to 1991** **Australian Heritage Commission**
Consultant Curator of Photographs - Register of the National Estate

- 1987 to 1990** **Department of Registration / Gallery of Aboriginal Australia, National Museum of Australia**
Curatorial Assistant / Assistant Curator