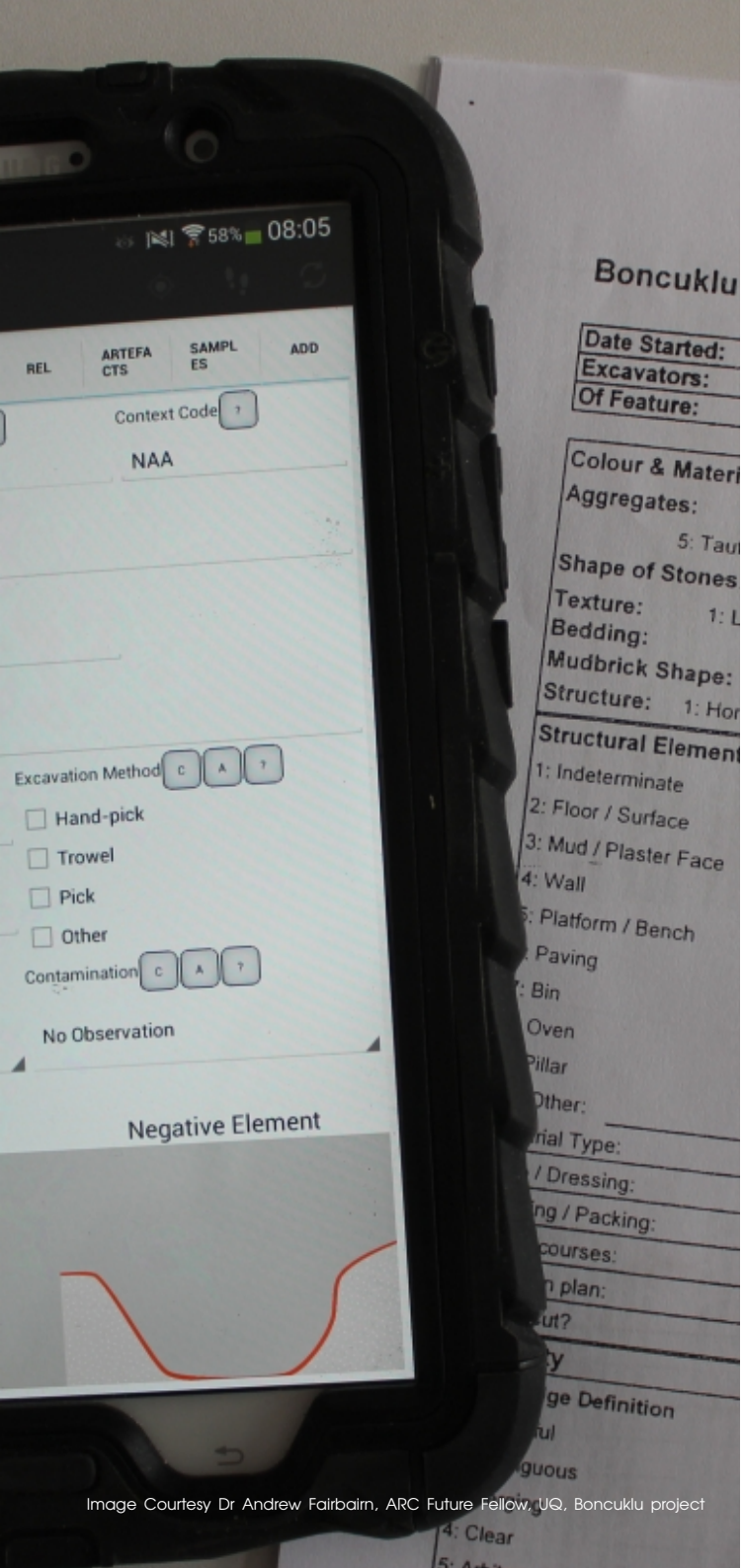

Image Courtesy Dr Andrew Fairbairn, ARC Future Fellow, UQ, Boncuklu project

The Federated Archaeological Information Management Systems Project builds tools for digital data collection in the field, and online processing and archiving of the resulting data. Project staff also advise researchers concerning the development of data management strategies that meet the requirements of major grant schemes and improve research outcomes.

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FAIMS PROJECT

Creating eResearch tools for Archaeologists

Data Collection on Android

Fitting Mobile Computing to Archaeological Fieldwork

What is the FAIMS Mobile Platform?

It is a system for offline data recording which relies on an app for data collection and a server for sycnhronisation, backup, change tracking and reversion. Your unique data and workflow are reflected in a fully customisable "module".

The FAIMS Mobile platform is much more than a data logger; it is a fully customizable offline, multi-device, spatially-aware data collection system.

Got an Android? Try FAIMS today!
Go to http://fedarch.org/getStarted

For help contact enquires@fedarch.org.

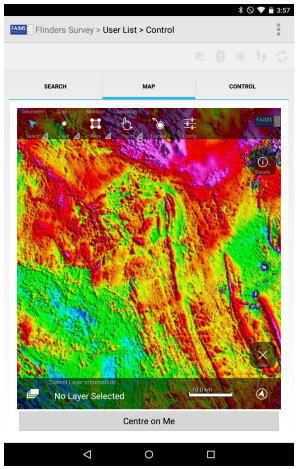
"... the tablet app worked very well in the field and I would be keen to continue using it for subsequent sampling. ... " - Dr Rose Turnbull (New Zealand Survey)

"... The app has been such an incredible advantage in terms of workload, data quality, and a number of other data management issues with which archaeologists regularly have to deal. It readily links disparate data types that are otherwise stored separately – such as photographs, tabular logs, and context relationships. I can see this user-friendly app being easily transferrable to other projects, and the support team has been brilliant. ... " - Dr Jessica Thompson, ARC Fellow and Project Director for MEMSAP

*"I am in a state of shock because I got the tablet to work and download the app with almost no trouble at all! (...) even sleep deprived OCD academics can make this sh*t work easily."* - Dr Andrew Fairbairn, ARC Future Fellow, The University of Queensland, Boncuklu Project

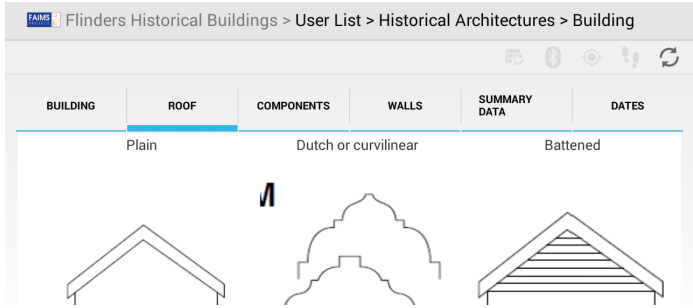
Archaeological needs we take care of

- Full "work in the middle of nowhere" functionality;
- The ability to review and reverse all changes;
- Easy automated sync and backup across multiple mobile devices and a local server;
- Embed photographs, digital vector drawings, audio recordings, and other files into records;
- Mapping / lightweight GIS, including the display of vector and raster data, and the creation of vectors;
- Ingest data from external tools like handheld barcode scanners & digital calipers;
- Custom user interfaces and interactions;
- Photo gallery selectors;
- Remembered and settable defaults, input validation, record duplication, & other automation to speed data entry;
- Custom export of all your data (multimedia and all) into shapefiles, csvs, and custom DBs;
- Use core concepts to facilitate data exchange and ingest into repository; and
- Generate human-readable labels to core concepts in however many languages you wish to support, with a single core concept.



How does the platform work?

The special constraints of fieldwork, namely the need to work in remote locations away from the networked world, present challenges to the normal mobile- and web-computing paradigms for data recording. These challenges require the platform to provide users enough flexibility without compromising performance and data integrity – particularly to allow for methodology specific data collection while improving the compatibility of our resulting archaeological datasets.



To solve this problem, we made an "interpreter": an app which loads a packet of XML definition documents, using them to generate and deploy a custom data schema and interface - a module - tailored to the client's needs.

Created via the server, modules serve as the basis for offline data collection. We share them in our library on github.com/FAIMS. Data, once collected, can be explored on the server, and exported in a customisable variety of formats.

You can create simple modules yourself using Heurist (www.heuristnetwork.org)

We offer professional module development services.

Visit our website at www.fedarch.org for more details.