



Interactive  
Correlations

# Interactive Correlations

Powerful, interactive visualisation of integrated data, reporting facts and interpretations across all disciplines driving confident evaluation.



# Welcome to IC

Here in the Geoactive team, we believe in the power of communication and sharing information easily.

Over the last two decades, we have developed a suite of tools in IC that aim to help with team collaboration. We believe IC sits at the heart of our subsurface, data-sharing offering.

IC has a long history as a collaborative software platform, used to build a consistent, data-driven understanding of your subsurface. It allows for faster and easier communication across any team. Stratigraphers, petrophysicists, reservoir, and production engineers can all contribute to the story with confidence.

Several data QC and visualisation toolkits are available with any standard IC install. We believe the integration, interrogation and interpretation of data is at its best when done with standardised, and comparable visual displays. IC offers this as standard alongside the tabular format displays of data.

Focussing on the transfer and integration of data alone, without the application of the spatial mapping and downhole visualisation can result in missed opportunities to identify anomalies or inconsistencies in the data. Iterative interrogation and QC of data are intrinsic features within IC, allowing any data management workflows to be addressed quickly while also not delaying the geological evaluations.

Build more reliable and consistent interpretations by using the QC tools available on all of your data across all of your wells in a fraction of the time. Quickly produce well correlations, complex geological maps, and analysis reports to show your reasoning.

**Making decisions has never been simpler.**

Our Stratigraphic Awareness toolkit provides a strong stratigraphic reasoning to any of your evaluations. Chronostratigraphic, biostratigraphic and even lithostratigraphic schemes can be imported or built, setting the “rules” for a deeper check on your interpretations across a basin.

**There’s no better way to collaborate with confidence.**

Our additional Monitoring toolkit expands the data held within IC to include the temporal dimension. Not only can you map you wells and see them down hole, you can map the changes in fluids/injection rates/pressures/temperatures and any other time-based measurement of information across your region. Generate grids and queries that dynamically change as you step through the history of your wells and integrate with graphical plots showing any range you require. This flexibility allows you to optimise and share powerful dashboard displays that are still linked with the data to review and plan accordingly.



“IC is our geological integration and visualization platform. Pulling data from multiple (and varied) vintages and sources continues to be a time consuming yet important factor in any subsurface project. IC provides flexible and fast import tools and data links to cut the time in half. Being able to utilize the visualization alongside data QC tools in an iterative way ensure confidence and control over your data and further interpretation.

Regardless of project intent, IC contains a suite of exploration tools that will provide both the technical confidence and visual clarity to explain and convey your findings and interpretations quickly.”

**Catriona Penman, IC Product Champion & Technical Operations Manager**



# Benefits of IC

## Fast and Interactive

Increase team efficiency with immediate interpretation updates, increase confidence and advance your understanding of the data.

## Scalable and Powerful

Utilize IC from regional reviews to micro detail evaluations across and project.

## Collaborative and cost-effective

Robust data integration tools and interpretation flags make team work faster and more efficient. Display and review data together across multiple formats to QC and analyze.

## Secure and Auditable

Work without fear of confidential data being shared incorrectly and review history logs for all data changes across the database.

## Accurate and Effective

Build upon detailed stratigraphic understandings to determine and build consistent and repeatable interpretations downhole and across maps.

## Flexible and Variable

You can work the way you want to work, build your own templates and standard displays that work for any project and deliver effective summary dashboards.



“The understanding of the subsurface develops with time and knowledge. IC can save you valuable time through detailed stratigraphic analysis and interpretation to regional play identification and mapping.

While getting to a timely understanding is one thing, sharing and modifying this understanding through collaboration and agreement across a team is another, and is frequently the key to successful decision making. IC provides a visual subsurface data dashboard for the team, your peers and stakeholders, to all come together on one page and in one place to pull out pertinent information to drive forward understanding and decisions with confidence.”

**Derek Crombie, Managing Director, Geoactive**

# IC Suites and Modules

IC Foundations houses three modules that together provide the foundation for all data integration, interrogation and interpretation. Our Advanced Module is IC Monitoring which expands your data integration and visualisation into the time dimension. Additional data links are also available upon request.



## IC Monitoring

Pull in the history data from your field to generate dynamic reviews with up-to-date field understanding to guide and highlight areas of concern of future work.



- Import time-stamped well data
- Import time-stamped generic, field/reservoir data
- Graphic Profile templates
- Time-based gridding options
- Display date-qualified logs down hole
- Dynamic well queries (makers)
- Automated time-step graphic displays
- Time-based reports
- Additional chart table displays (Reports)
- Animated 3D visualization along wellpaths

## IC Visualisation (Geology)

Generate the most up-to-date reviews, correlations and maps for your wells quickly incorporating a multitude of displays on a single dashboard.

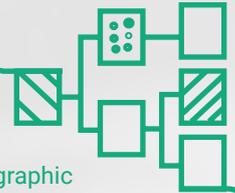
- CRS aware Mapping
- Gridding options
- Zonal Analysis Bubbles
- Interactive Correlation builder
- Template designer
- Well Summary Montage Canvas crossplots, ternary plots, heatmaps, text, shapes
- 3D Viewer



## IC Stratigraphy

Utilise an understanding of the stratigraphic relationships encountered downhole across your basins to build interpretations and build a consistent framework.

- Strat. Scheme building
- Strat. hierarchy
- Advanced map displays
- Age/depth mapping
- Chronostrat. Correlations
- Sequence Stratigraphy plot
- TST calculations
- Additional scale options



## IC Data Management

Integrate disparate data sets of both regular or irregular, text, image or curve to allow your entire team to work together flawlessly.



- User Security
- Flexible DB structure
- Data Summaries
- Data Maintenance & QC
- Interpretation Flags
- Interpretation priorities
- Stratabugs & IP Links
- Import ASCII files (incl. EXCEL)
- Import LAS
- Import DLIS/log files
- Import well path & array data
- Wellpath conversion tool
- Export ASCII
- Export LAS
- Well Queries
- DB scripts
- Data Standardisation (dictionaries)
- Data Extraction
- Data Conversion
- Data Analysis Reports

# Explore IC



Quickly scale your evaluation from a regional perspective down to fine detail, ensuring high confidence in your interpretation at all scales.



Import data from anywhere into a flexible, yet structured database and share easily between teams for a broader and deeper understanding of your subsurface.



Powerful and consistent visualisations produce coherent results for efficient and flexible conversations leading to wider understanding and confident decision making.



Incomparable stratigraphic awareness gives a faster and more confident understanding of your subsurface across your whole region, unconformities and all.

## IC 2024 - improving your 'every day'

The team at Geoactive are proud to announce the release of IC 2024.

By upgrading or installing IC 2024, you can enjoy a host of new benefits to improve your day-to-day working and speed up data integration.

IC 2024 gives you more flexibility and visualisation tools for team working than ever before.

The addition of the IC Monitoring Module that can be added to any IC Foundation licence suite, will enhance the breadth of projects you can apply IC's power to. Visualise the history of your well, reservoir or field alongside the geological evaluation and interpretations you have completed to review and understand variations in the measured data you see.

As always, each new release brings change to some of the every day workflows, and improves the way you work with and present your data. This year we focused on improving those core steps, including quick updates to wellstick displays and making the Bubble maps more flexible.

### Be insightful. Move to IC. Here are seven reasons why:

- It's collaborative and insightful. Integrate valuable cross-functional analysis from a variety of sources and formats in one dynamic interface
- It's enabling and fit-for-purpose. Work the way you want to work without the limitations of software-set workflows or rigid structures
- It's intuitive and interactive. Interrogate, interpret and visualise your data with ease
- It's intelligent and flexible. Work as a geologist within a geology-centric tool that understands geological concepts rather than a software-centric tool
- It's time saving and cost effective. Use one robust solution instead of several applications, saving you both time and money
- It's automated and makes the most of your data. Easily create, share and use existing Templates to promote standardised presentation across teams
- It's organised and constructive. Use intuitive tools to identify, standardise and manage your data individually or in bulk

# IC across the Energy Sector

Enabling confident insight through collaboration and powerful visualisation.

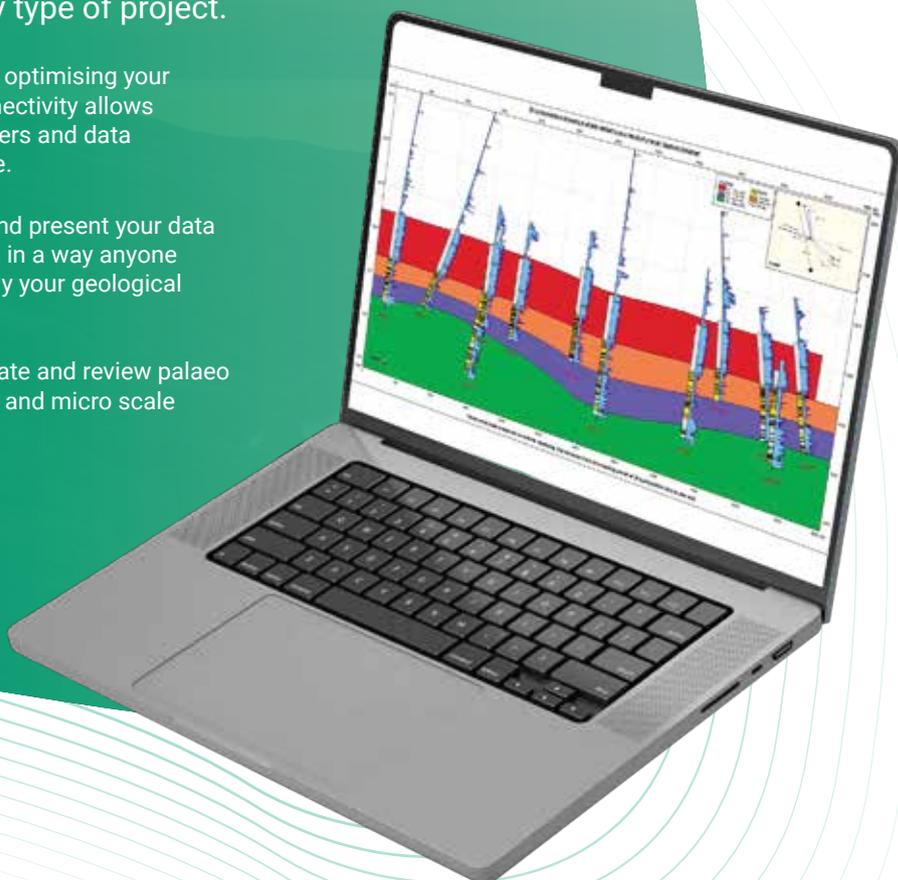
IC does not bind you to using its toolkits for only traditional oil and gas exploration projects. Its flexible integration and visualisation can result in a wide and varied application of your data for any type of project.

IC makes the most use of your existing data while optimising your analysis. The flexible database structure and connectivity allows geologists, reservoir engineers, production engineers and data managers work together, and share data with ease.

IC is an efficient way to communicate. Visualise and present your data effectively to highlight your geological evaluations in a way anyone can understand. Utilise the tools within IC to apply your geological understanding to any of a range of studies.

The diverse application of IC can be used to evaluate and review palaeo climate change, detail and investigate both macro and micro scale anomalies found across the subsurface.

If you'd like to learn more please get in touch.



Equinor uses IC to map out and explore the potential for gas storage in several CCS projects on the Norwegian continental shelf.



Stratum Reservoir uses IC to understand lateral sedimentological and diagenetic variability in the context of a sequence stratigraphic framework to map facies and diagenetic trends.



**Australian Government**  
**Geoscience Australia**

Geoscience Australia and partners have used IC to map, correlate and understand the distribution and heterogeneity within the Great Artesian Basin. Identifying and understanding the each hydrogeological unit based on a standard chronostratigraphic framework contributes to the understanding of connectivity within and between aquifers.

# What our customers have to say

It's worth highlighting IC is the choice of many biostratigraphers for it's built-in data links with Stratabugs and data integration capability.

Evaluate biostratigraphy data in Stratabugs; Integrate with well data and interpret in IC; Integrate again with built-in links to Petrel, Openworks or using other plugins. Simple, fully integrative workflow to take our fossil data from the microscope to the workstation.

**Richard Hallett**  
(Biostratigraphy Advisor)

IC has allowed me to build comprehensive well databases within which I can integrate most well data types for stratigraphic analysis and depositional system mapping.

Most recently this has involved building a regional scale database of wells in the UK & Faroes West of Shetland province, for the purposes of play mapping and prospect evaluation, a function for which other widely used software packages are not currently suitable.

**Senior Exploration Geologist**

IC provides a unique tool that makes it possible to extract information from well interpretation on a stratigraphic level. The greatest benefit from using IC in Play evaluation (exploration) is the possibility to query well data on stratigraphic level and display the results geographically.

**Senior Stratigrapher**

IC has enabled us to effectively visualise and interrogate core-based data including lithofacies, lithofacies associations, thin section and core analysis and provided the tools to generate georeferenced facies and diagenetic trend maps all in one platform.

The linking and plotting various datasets within IC has proven invaluable to assess issues such as the relationship of wireline data to depositional environments in the cored and uncored intervals, cross-plotting core analysis data to a range of reservoir descriptions and providing proportional thickness data of facies to reservoir zones, without the need export and code data in Excel.

**Quintin Davies**  
(Senior Geologist)

IC has been my favourite software for storing, displaying, and analysing well data. Its main strength is handling all sorts of depth referenced data - numbers, text, images - in a well.

My favourite analyses are log averages (e.g. gamma ray, porosity, XRF elemental ratios) across a stratigraphic interval and interval/interval analyses (e.g. percent of lithology type across a stratigraphic interval). Both types of analyses can be directly plotted on the map and therefore enable quick visualisations of large amounts of wells on a regional scale. This kind of geological framework is useful for management presentations when applying for new acreage in licensing rounds and when taking a business development decision. Regional well analyses are also useful when we consider entering an unproved play.

In addition to quick analyses of large amounts of wells relevant for regional work, IC is used for license work where different types of stratigraphic data (e.g. biostratigraphy, XRF, XRD, QEMSCAN) are integrated within the same software platform in order to better constrain well correlations and differentiate between the sandstones and mudstones originating from different sediment source areas.

IC offers a whole range of user-defined visualizations, which can be overwhelming for the inexperienced user. Predefined templates are one of the solutions for the wider audience, quick-responding and solution-oriented software support the other.

**Alenka Crne - Exploration Geologist**



“The flexibility and format suited my needs perfectly. I now have a more rounded idea of what tools I have available to me from the Database management system.”

**First time IC user**  
**Data Manager - UK based E&P company**

“It’s not easy always having to be reliant on, and working through Teams or other video conference tools. But for these sessions, I think it went really well and the training covered the basics as expected. Maybe we shouldn’t have gone so far into some of the topics/ issues we discussed and spent more time looking at other features, but overall I think this was a good session.”

**Current IC user**  
**Geoscience Application Manager - E&P Norway**

# Training

We pride ourselves in working with our clients to design the most effective training programs to meet their needs. While we have a set Introductory Data Management course and a Geological Evaluation course available, we find most of our new users would prefer to have time with one of our experts working through their own workflows and building their own set of best practices to share.

The Data Management Course includes database set up and security options. Exercises include recommended workflows to achieve each step in integrating and QCing your well data.

The Geological Evaluation course builds on the data management elements covered, using the data to create each of the major visualisation features available within IC. Maps and Correlations alongside single well summaries allow for a flexible and vast range of display styles building field/asset reviews.

These sessions can be successfully delivered via a series of online Teams meetings or in person in a classroom environment.

Please get in touch [salesenquiries@geoactive.com](mailto:salesenquiries@geoactive.com) to discuss your requirements.



# Meet some of the team who help bring you IC

Our team of experts spans the globe with bases in KL, Abu Dhabi, London, Aberdeen and Houston. The assortment of people with a wide range of experience and passion helps drive a dynamic and interactive team of developers, testers, technical experts and support staff. We all have a fundamental belief that the power of collected subsurface data gathered can result in a wealth of understanding.



**Louise Banks**  
Support Geoscientist

I love supporting our clients to gain confidence in using our software, but it's also amazing how much I learn in doing so, and how much I learn from our clients too. I'm always looking for ideas for my next big hike, having conquered the West Highland Way, The West Coast Trail, The Inca Trail... what will be next?!



**Jennifer Duarte**  
Technical Sales Consultant

I enjoy the interaction I have with our customers where the aim is always to build that technical trust and educate our customers with our IP and IC Software. When I'm not working, I like to practice water/outdoor sports such as wakesurfing and trekking.

**Graham Melvin**  
Technical Consultant

I enjoy engaging with clients directly, in person, via a web meeting or even a phone call. It's really rewarding to listen to a customer's challenges and show the features our software has to offer to help tackle that challenge. I enjoy trail running (hashing) through the rainforest here in Malaysia but I also enjoy other sports such as golf, tennis and squash.



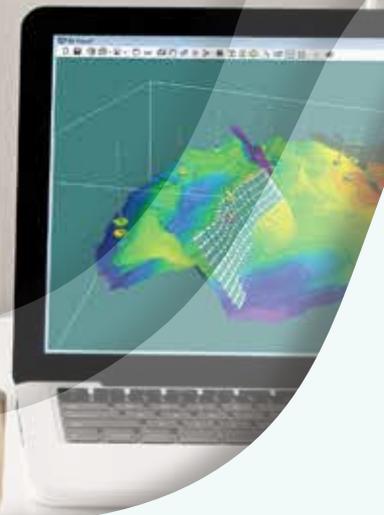
**Fuziana Rozalli**  
Support Geoscientist

Nothing makes me happier than making someone's day a little bit brighter, especially having the opportunity to help customers with workflows and workarounds. I also love cats and we can chat about that all day long.



**Oscar Ruiz Rodriguez**  
Technical Sales Consultant

I love helping our customers discovering the big value of our Products. Supporting them, highlighting workflows and functionalities in a record time! As an extra bonus, come and talk to me/ask me anything about.... (If you need a drummer joining your Rock band!





# One constant, whenever you need us

Our dedicated IC support team operates around the world providing outstanding customer service 24/7.

As a maintained IC licence holder, you have access to the Geoactive Software Support Team. Our team is available 365 days a year via phone/MS Teams, email, our web portal. We have team members spread across the globe including Aberdeen and Kuala Lumpur meaning you have access all day no matter where you are based to get the help you need when you need it.

Operating alongside the Product Experts, core Development and Testing teams, the Support team are always ready to guide you as you get started and setting up your licences.

They are the prime source of help for our products. With geoscientific backgrounds and a combined 151 years of experience, their ability to understand your requests and guide you through any issues is paramount to our success.

Regular updates are released throughout the year. Dependent upon the nature of the request, you may see ~3 months between your initial report and the fix being released for your use. Ensuring fast turn-around times and maintaining visibility with you is a key goal of ours.

## As a global Software Support Team we have successfully:



Closed 93% of all 2684 tickets received in 2024.



48% of tickets are solved within the first day.



99.5% of tickets replied to within the first 6 hours.



Only 2.5% of tickets received are bugs.



Support provides 24/7 coverage via phone, email, portal or web meetings.



Provide basic training - onsite & public courses



Multilingual team operating worldwide



### Get in touch

Please visit [www.geoactive.com](http://www.geoactive.com) for more information  
Or email [salesenquiries@geoactive.com](mailto:salesenquiries@geoactive.com)



### Training

We offer training courses in various locations around the world for both IC and IP. We can also provide tailored in-house courses for individual clients, please email [Softwaresupport@geoactive.com](mailto:Softwaresupport@geoactive.com)

### Sales

We have regional Account Managers to ensure all non-technical questions are answered across Europe and Scandinavia, the Americas, the Middle East, Asia and Pacific. To contact one of our sales teams for any of these regions, please email [salesenquiries@geoactive.com](mailto:salesenquiries@geoactive.com)

### Software Support

Our web portal provides first class support by a team dedicated to our subsurface software products.

Email: [ICsupport@geoactive.com](mailto:ICsupport@geoactive.com)

or Call:

UK: +44-2036088024

USA: +1-713-489-3995