

IC+ Database: Launch Webinar

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circularecology.com

Today's Webinar

- Introduction
- Overview of Changes
- Launch of the IC+ Database (v1.0.1)
- Understanding IC+ Licences
- Next Steps & Future Intentions
- Extended Q&A Session

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Your Presenters Today



Jon Burrow
Director of Consultancy

- *Over a decade working in carbon reporting and carbon reduction strategies*
- *Oversight of the ICE & IC+ Databases*



Edwin Lowe
Delivery Manager

- *10+ years' experience in sustainability*
- *Worked for contractors, infrastructure clients and in consulting*



Liam Seprini
Business & Sustainability Coordinator

- *6 years' experience in compliance + 4 in sustainability*
- *Commercial delivery and licensing of IC+*

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About Circular Ecology



Environmental consultancy, founded in 2013

Offering a range Environmental Services:

- Organisational Carbon Footprints, Scope 1, 2 & 3
- Net Zero Carbon Strategy
- Carbon Footprint Verification & Assurance
- Whole-Life Embodied Carbon Assessments for Construction Projects
- Product Carbon Footprints & Life Cycle Assessments (LCA)
- EPD Development & Publishing
- Carbon Footprint Database (library) Development
- Online E-Learning Training Courses
- Carbon Offsetting and Tree Planting



Hosting Embodied Carbon Databases:

- Inventory of Carbon & Energy (ICE) Database (Educational-Use only)
- **IC+ Database (Professional & Commercial Use)**

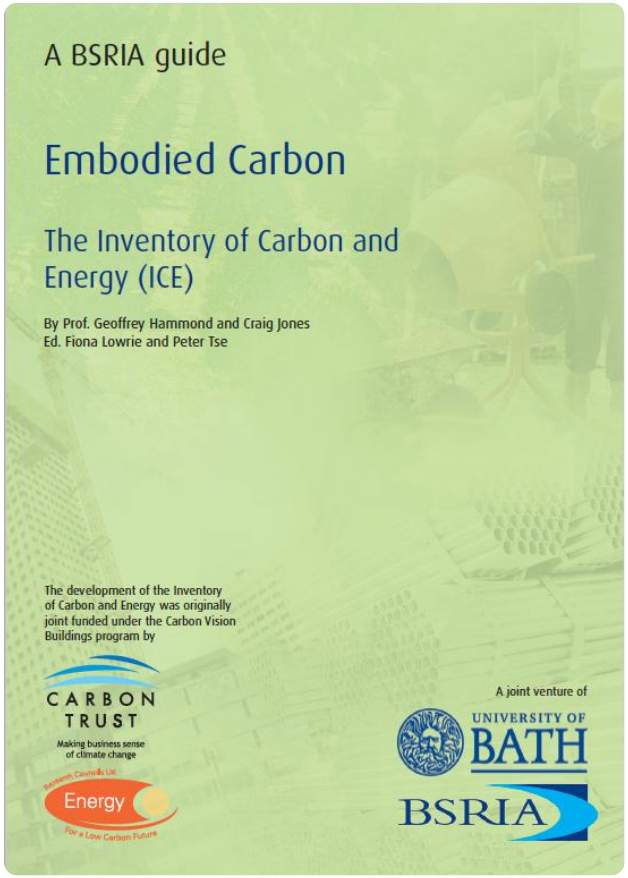
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Background

Overview of Changes to ICE & IC+

The Inventory of Carbon & Energy (ICE)

- An **embodied energy and carbon database** for building materials
- First version released in 2005 by Dr Craig Jones and Professor Geoff Hammond, University of Bath
- Data for over **200 material categories**, primarily for construction materials
- BSRIA hardcopy published in January 2011



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Timeline of ICE Data

The ICE Database hasn't been able to provide regular updates with only 4 versions over 20 years

ICE Version 1 (2005)
The initial publication of the ICE Database

ICE Version 2 (2011)
The first major update of the ICE Database since its initial release

ICE Version 3 (2019)
Updated with funding from Heathrow Airport, RSSB & Environment Agency

ICE Version 4 & 4.1 (2024-25)
Sponsored by BCIS, part funding from an Innovate UK project, and Circular Ecology

Reality: The landscape of carbon has changed immeasurably over this time:

- Expectations are higher than ever
- Increasing focus on adherence to standards
- Exponentially more data available

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Changes to Funding Approach

Situation: Maintaining the database to modern standards requires sustained resources beyond what the free model could support

- Previous ICE Database supporter system and Scaling Carbon Reductions Initiative (SCRI) still left a significant gap and wasn't a sustainable model

What's Changed? We have moved to a freemium model, whereby:



The **ICE Database** has become the "free" component but now comes with strict limitations on use and application (**educational-use only**)



The **IC+ Database**, a new premium database, launched 1st October 2026. Users require a valid (paid) licence to use the data for all commercial and other non-educational purposes

Find out more: circularecology.com/news/icplus-launch-embodied-carbon-database-for-professional-use

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ICE Database Educational (v5.0)

ICE Database Educational v5.0 released 30th June 2026

Main Change to Terms of Use:
The ICE Database shall now only be used for educational purposes (i.e., learning, teaching, viewing), and it no longer supports any other types of use (circularecology.com/terms-of-use.html)

Permitted Use:
The ICE Database is not suitable for commercial use, and all commercial use must instead refer to the IC+ Database

The ICE Database is not permitted for use on commercial projects, in software or tools (unless 100% a teaching aid only), or in research or any carbon calculations, other than for the purposes of teaching, or learning the subject of embodied carbon

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IC+ Database Launch

IC+ v1.0.1 is now available

The IC+ Database

The **IC+ Database** follows the same principles and structure as the ICE Database has done historically

Key Elements of IC+

- Generic, representative carbon values for a range of common construction materials
- Developed based on analysis of tens of thousands of published EPDs (Environmental Product Declarations) and other non-EPD datapoints
- Coverage of 500+ datapoints in the initial version (v1.0.1)
- All datapoints mirroring ICE have been updated
- Intended at least annual updates and future expansion to meet needs of users and the changing landscape of carbon
- Data quality and consistency

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IC+ Material Coverage

IC+ provides generic values for materials under the following categories:

Aggregate (4)	Aluminium (20)	Asphalt (18)
Bitumen (3)	Brass (4)	Carpet (2)
Cement (38)	Ceramic (3)	Clay (3)
Concrete (313)	Copper (10)	Glass (14)
Insulation (15)	Iron (6)	Lead (2)
Linoleum (2)	Paints (2)	Plaster (3)
Plastics (9)	Rubber (1)	Sealants & Adhesives (3)
Steel (91)	Stone (5)	Timber (48)
Vinyl (2)	Zinc (4)	

We expect to expand this coverage based on the needs and feedback from early IC+ users (Feedback & suggestions welcome)

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Updated Naming Convention

Each datapoint now has an "all in" name, containing:

Material Name [Region] [Source] [Method] [Scenario] [Carbon Storage] |Declared Unit

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Current Versus Future Updates for IC+

Available Now

- Improved Naming References
- Consistently Applied DQI Scoring
- Additional Commentary
- Introduction of Carbon Scenarios
- Useful Statistics & Supplementary Information

Under Consideration for Future Updates

- Wider Material Coverage
- EN 15804 carbon breakdown (i.e., fossil, biogenic, LULUC)
- Carbon Ranges (e.g., beginnings of 3-point uncertainty)
- Wider Environmental Indicators beyond Carbon

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IC+ Licensing

Overview of Model, Pricing & Coverage

IC+ for Commercial Use

A valid licence is required to access and utilise IC+ Data

Fees for annual licences are based on:

1. **IC+ Use Case**
   - Internal & Consultancy Use (calculations, internal tools & reporting)
   - External Tool Use (external tools, platforms, data providers, etc.)

2. **Number of Expected End Users**
   - This includes expected internal and external users of IC+ for the use case
   - Base level licence is £800 for a single user for internal use only, with pricing per user scaling down significantly as number of users increase

You can complete our brief online IC+ survey to understand license fees for your organisation and specific use case

https://circularecology.com/ic-plus.html

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Key Licence Definitions



External Tools

Any tools (software, platform, calculator, model, plugin, application, etc.) containing IC+ Data that individuals external to the licensed organisation can access or use.



End User

Any individual who can access or view IC+ Data or reasonably determine an IC+ factor from the information provided.



You can review the full End User Licence Agreement (EULA) here -

https://circularecology.com/icplus-eula.html

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Permissions for IC+ Factors

Upcoming Change to the End User Licence Agreement (EULA) allowing some **Limited Visibility of IC+ Factors for Unlicenced Individuals**:



1. Internal End Users covered under the Licence

- Can see and use the IC+ data within the context of the licence holder's use case.



2. External End Users covered under the Licence Extension

- Can see and use the IC+ data within the context of the licence holder's use case.
- Any other use of the IC+ data outside of the licence holder's use case is not permitted.

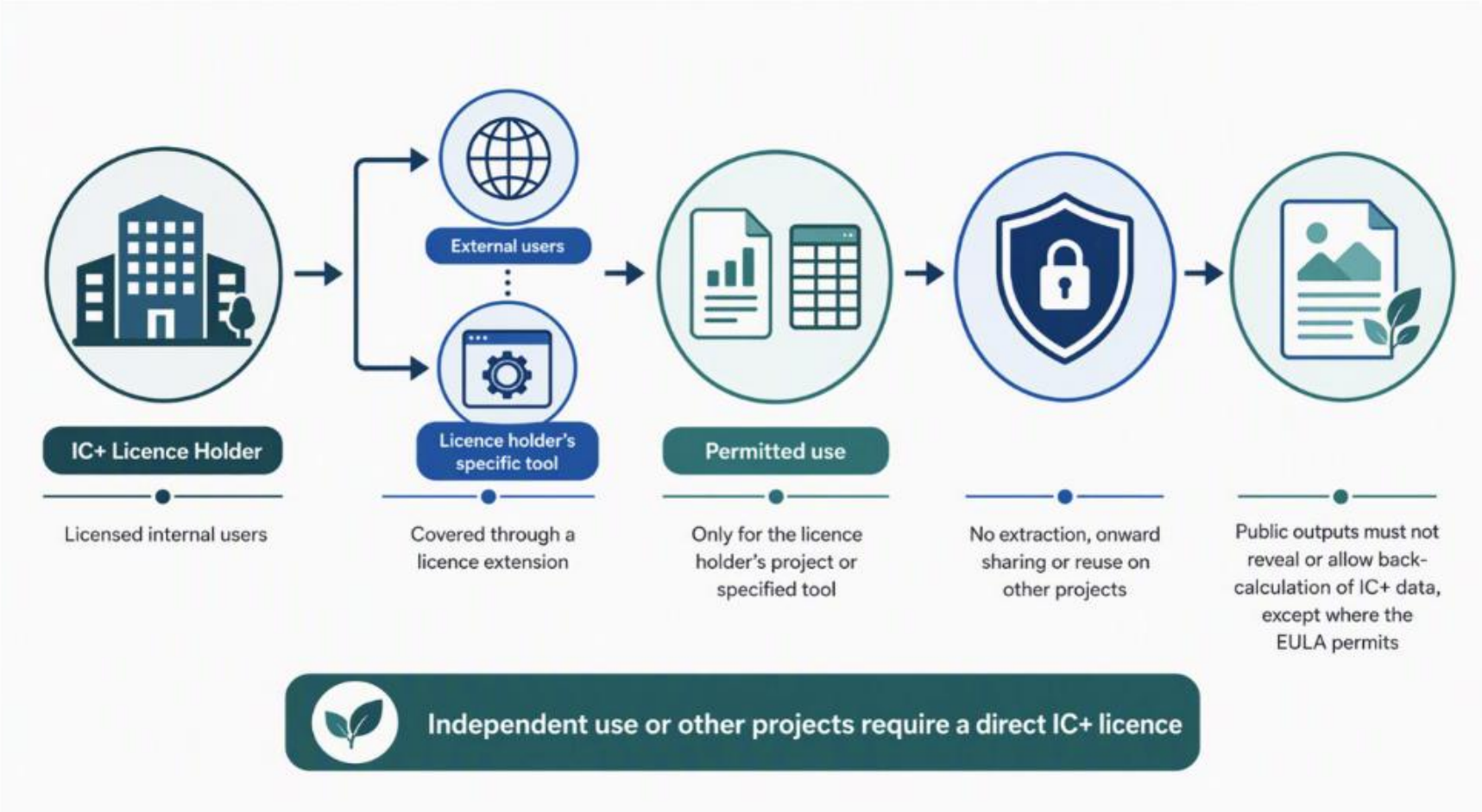


3. Individuals not covered under any IC+ Licence

- Can still see a small number of IC+ factors (up to 10) within outputs developed by an IC+ licence holder to support verification and transparency.
- Any further use of the IC+ data beyond the outputs provided by the IC+ licence holder is not permitted.

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Licence Extensions: External Users



An overview of the IC+ license extension model

Read our recent announcement on IC+ Licence Extensions here -
circularecology.com/news/understanding-the-ic-end-user-licence-agreement-eula

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Example Licence Fee Levels

Up to 25 End Users (Internal Use Case)	**£2,495 + VAT** *Covers internal tools, calculations, and reporting (including for consultancy outputs)*
Up to 25 End Users + 1 External Tool	**£3,495 + VAT** *i.e., use of IC+ in an authenticated client platform*
Up to 5,000 End Users + 1 External Tool	**£8,745 + VAT** *e.g., a licence extension covering external users of a tool / platform* *Equivalent to less than £2 per user*

Fees shown are indicative for example use cases, per annum excluding VAT. Inclusion of additional external tools, API use, or other changes to scope may affect the pricing shown above.

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Ready for IC+

Understand your IC+ Licence Options: Complete the **IC+ Survey** for indicative pricing specific to your intended IC+ use case and discuss the appropriate licence options.

Circular Ecology's IC+ Database launched on 1st October 2026.
circularecology.com/IC-Plus.html

Learn more about the IC+ Database: An IC+ Methodology Report has been released and is available to everyone on our website.
circularecology.com/ic-methodology-report.html

Attain your IC+ Licence & plan your transition: The ICE Database became Educational-Use only as of **30th September 2026.** Those currently still using the ICE Database for any commercial and professional use cases should **contact Circular Ecology immediately**.

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Today's Webinar - Recap

- [x] Summary of Recent Changes
- [x] Information on the Launch of the IC+ Database (v1.0.1)
- [x] Overview to Understanding IC+ Licences
- [x] More Information on Next Steps & Future Intentions for IC+
- [ ] Extended Q&A Session

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Next Webinars

Next Webinars -

- IC+ Database - Case Studies & Panel Discussions - **TBC**.
- New Series of Webinars to follow in **2027**.

Recap of previous webinars - watch these again on our website...

https://circularecology.com/webinars-on-demand.html

- Whole Life Carbon Assessments of Buildings: What You Need to Know
- An Introduction to the Circular Ecology EPD Programme
- Product Carbon Footprinting, LCA & EPDs: A Practical Introduction
- Organisational Carbon Footprints - From Measurement to Meaningful Action
- An Overview of Carbon Neutrality: Measure, Manage, Offset, Improve
- Making Credible Carbon & Environmental Reduction Claims Using Life Cycle Assessments

Keep an eye on our networks for more information

Website - circularecology.com

LinkedIn - linkedin.com/company/circular-ecology

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Extended Q&A Session

Please use the Q&A interface to ask your questions

What happens if user numbers or the use case change during the licence period?

What counts as an external-facing Tool?

What happens at the end of the agreed licence period?



Can IC+ be used in APIs, third-party software platforms, or AI workflows?



Does the licence include updates, and do users have to immediately adopt every new version?

What counts as being ‘reasonably back-calculable’?

Extended Q&A Session

Open to questions from the audience

Complete the Survey

For indicative pricing and to discuss your intended use case with a member of the team, please complete the brief survey on our website:

circularecology.com/IC-Plus.html

Thank you for watching

Sign up for more information on all future updates:

circularecology.com/Newsletter.html
circularecology.com/Embodied-Carbon-Footprint-Database.html