



The University of Sydney

Centre for Integrated Sustainability Analysis



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[^ ISA's Projects and Initiatives](#)

World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD) GHG Protocol

Last quarter, ISA were invited to participate in the technical working group for WRI/WBCSD Greenhouse Gas Protocol's Product and Supply Chain Accounting and Reporting Standard development process. Dr Chris Dey represented ISA for the first meeting which took place in London.

"The goal of the GHG Protocol supply chain initiative is to develop internationally accepted standards for product life cycle and corporate value chain greenhouse gas accounting and reporting through an open and inclusive process. The new guidelines will be designed to:

- Provide a credible and transparent approach for quantifying and reporting product life cycle and supply chain GHG emissions*
- Enhance the usability of GHG life cycle and supply chain accounting through the application of common accounting concepts, principles, and methodologies*
- Provide a platform and process for harmonization among different initiatives and programs focused on product and supply chain carbon footprinting."*

To find out more please visit the GHG Protocol website at: www.ghgprotocol.org

CapISA?

ISA are embarking on an exciting business partnership with database and business intelligence company Capiotech, to be known as CapISA. The partnership combines ISA's expertise in the methodology and systems approach to sustainability measurement with Capiotech's expertise in business reporting and performance management. The partnership will see a major upgrade in the [Bottomline³](#) software in not only the usability and scalability of the product but also its implementation within organisations.

CapISA's vision is *"To enable organisations in a standardised way to fully report the real sustainability impacts of their activities to enable better management for a sustainable future."*

CapISA website coming soon at: www.capisa.com.au

[^ Education and Training](#)

The workshops will resume early-2009. These workshops focus not only on the team's methodology but policies and actions by government, non-government organisations and businesses.

For details about our workshops please visit: [Course Details](#).

Alternatively, ISA offers on-site and/or customised courses. For more information please contact the ISA team on +61 2 9036 9365

[^ Consulting](#)

Our aim is to continuously develop and improve in a multi- and inter-disciplinary way scientifically rigorous, quantitative, consistent and comprehensive approaches for Integrated Sustainability Analysis.

If you would like to know more about our consultancy services please contact us via email isa@physics.usyd.edu.au or call us on +61 (0)2 9036 9365 hours 9:00 – 17:00 EST.



[^ BL³ News](#)

Bottomline³ was originally developed by Dipolar Pty Ltd incorporating a triple bottom line methodology and code developed by the Centre for Integrated Sustainability Analysis (ISA) at The University of Sydney, with support from the NSW Environmental Trust.

Since the launch of Bottomline³ early in 2006, ISA has undertaken further research that has greatly expanded its analysis and measurement capabilities. This work has achieved significant international recognition and has been used to inform policy within Australia and the UK. Recent examples of the use of our analysis can be seen in the Australian Government's Carbon Pollution Reduction Green Paper and in the UK's Department for Environment, Food and Rural Affairs' carbon footprint of UK trade.

These advancements have provided the opportunity to further develop the features and accessibility of the product. In light of these developments ISA and Dipolar have agreed that a new company, with a broader infrastructure and international reach, is required to take the software into global markets. Dipolar, having provided a solid base on which to build, will hand over the role of ISA software developer. ISA would like to record their appreciation of the support that Dipolar have given them during these formative years.

In the future your product will be managed and supported by a new company, CapISA, which is being formed as a joint venture between Capiotech Pty Ltd and the University of Sydney.

Some key software enhancements that will be included in the new release of Bottomline³:

- A web based application that can be accessed via an organisation's intranet
- Catering for multiple users which means the ability to support multiple logons at the one time
- A new security configuration which will take account of different user roles
- The ability to cater for "regional" analysis, whereas the current application allows for national analysis only
- New screens to improve usability in the areas of allocations and indicators

A recent addition is the updated IO tables 2004/5 which were released just July this year.

[^ Publications](#)

The ISA research team has written articles, reports and chapters on the subject of Triple Bottom Line reporting, input-output analysis, carbon neutrality, Life-cycle Assessment and more which are accessible on the web:

- ❖ Embedded carbon in the consumption of the UK - the UK's carbon footprint – [a research report](#)
- ❖ Unraveling the Impacts of Supply Chains—A New Triple-Bottom-Line Accounting Approach and Software Tool – [a book chapter](#)

You can download or request other publications by visiting:
<http://www.isa.org.usyd.edu.au/publications/index.shtml>

[^ Other Resources](#)

From the Global Footprint Network:

New Data Shows Humanity's Ecological Debt Compounding

"At the current rate humanity is using natural resources and producing waste, by the mid-2030s we will require the resources of two planets to meet our demands, according to [figures released today](#) by [Global Footprint Network](#). The data comes at a critical time, as the economic crisis felt around the globe has made it painstakingly clear: Debt and overspending can continue for a while but ultimately have dire consequences." [More...](#)

[^ Frequently Asked Questions at ISA](#)

Intensities

This information sheet traces the meaning of the word *intensity* from its everyday meaning to its scientific meanings and its current use in such phrases as *carbon intensity*.

Intensive and *intensity* come from the Latin *intensus*, meaning *stretched* or *intent*. Something that is said to be *intensive* is characterised by a high degree or *intensity*. It's commonly used in such phrases as *intensive farming*, *intensive care*, *intensive light* or *capital intensive*.

What's an intensity?

There are several scientific uses of the term *intensity* that have become common parlance. For example: [click here...](#)

[^ ISA activity – national & global](#)

ISA, the new Editorial Office of Academic Journal *Economic Systems Research*

Journal of the [International Input-Output Association](#)

Economic Systems Research is a double-peer reviewed scientific journal dedicated to the furtherance of theoretical and factual knowledge about economic systems, structures and processes, and their change through time and space, at the subnational, national and international levels. The journal contains sensible, matter-of-fact tools and data for modelling, policy analysis, planning and decision-making in large economic environments. It promotes understanding in economic thinking and between theoretical schools of East and West, North and South. The journal is non-partisan, factual and problem-oriented. As the official journal of the International



Input-Output Association (IIOA), it aims to serve as a vehicle of cross-cultural information and contact. Topics within the purview of the journal include linear and non-linear multi-sectoral models of structure and structural change and development, ecosystems and the treatment of depletable resources, environmental and strategic questions, databases and data banks, large-scale computational methods and languages. The journal includes reviews of pertinent literature and special issues on new emerging areas of research in its field.

We invite new submissions to be sent to the Editorial Office Manager at esr@physics.usyd.edu.au. Authors should check instructions by clicking [here](#).



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