



COSMIC-ISBSG Benchmarking initiative success

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The joint initiative of COSMIC and the International Software Benchmarking Standards Group has resulted in new data on over 200 COSMIC-measured projects being submitted to the ISBSG repository so far this year, bringing the total number of such projects to nearly 350.

Peter Hill, ISBSG's CEO, said **"the initiative has been a great success.** The new data is mostly from business

application projects with some real-time projects. **Particular thanks are due to organizations in India, Italy, the Netherlands and Turkey** for submitting so much data."

Analysis work is underway on this data in order to produce new benchmarks for COSMIC - measured projects. Reports comparing individual project performance against

benchmarks and in relation to the overall findings from the data will be sent to all organizations that submitted data.

This initiative has been so successful that COSMIC and ISBSG have decided to **launch a new drive to get more data**, especially from real-time projects, (though data from all project types will be welcome), with a **new deadline of 1st October 2009 for submission.**

COSMIC used in the real-time domain

An organization within the **Canadian Defense department** is implementing the COSMIC method and using it to develop estimation models, in particular for projects using an 'agile' approach.

The **Renault - France**

Technology Center near Paris is now using COSMIC for their real-time and embedded software and also to manage their external suppliers of such software. The goals are to improve their estimation processes and to help control the price / performance of external

software supply.

Atos Origin, the French consulting firm, is building skills and expertise on COSMIC to support the demand from some of their clients in the aerospace and naval industries, with a focus on real-time and embedded software.

"Peter Hill, ISBSG's CEO, said: the initiative has been a great success"

New COSMIC publications

Since the last *COSMIC News*, **new translations** of the version 3.0 of the Measurement Manual have been published in **Chinese and Dutch**, these can be obtained from www.gelog.etsmtl.ca/cosmic-ffp.

Method Update Bulletin 6, which concerns the correction of a few errors found in examples in the 'Guideline for Sizing Business Application Software' has also been published.

This month we expect to publish **v3.0.1 of the Measurement Manual** and of the 'Documentation Overview & Glossary of Terms'. These are maintenance releases, i.e. they contain only corrections of a few relatively minor errors and editorial improvements to v3.0 of these documents.

A new **Guideline for Sizing Data Warehouse Software** will also be published.

Work is well advanced on a new **Guideline for Sizing Service-Oriented Architecture Software**, and work has started on a **Guideline for Sizing Real-time Software**. Note that COSMIC Guidelines do not contain any principles or rules in addition to those that have been defined in the Measurement Manual. The purpose of a Guideline is to supplement the Measurement Manual by illustrating, with many examples, how to apply the method to software in a specific domain.

New Research related to COSMIC

“In this latter paper, the authors claim that the COSMIC method is probably the only true functional size measurement method”

At the Software Measurement European Forum in Rome on May 25th – 27th, the following papers has been published.

. ‘IFPUG Function Point or COSMIC Function Point?’
Gianfranco Lanza (Csi Piemonte, Italia)

. ‘Estimating web application development effort employing COSMIC size measure:

a comparison between the use of a cross-company and a single company dataset ’

Filomena Ferrucci, Sergio Di Martino, Carmine Gravino (University of Salerno, Italy), Luigi Buglione (Nexen - Gruppo Engineering, Italia)

. ‘From Performance Measurement to Project

Estimating using COSMIC Functional Sizing’, Cigdem Gencel (Blekinge Institute of Technology, School of Engineering, Sweden), Charles Symons (GB) (In this latter paper, the authors claim that the COSMIC method is probably the only true functional size measurement method.)

IWSM/Mensura 2009 Conference

“this meeting ... will be open to anyone interested in the COSMIC method”

The IWSM/Mensura 2009 conference will be held in **Amsterdam from 4th to 6th November**. For the Call for Papers, go to www.iwsm-mensura-2009.org.

In previous years, COSMIC has held an informal annual

meeting of members of its International Advisory Committee and Measurement Practices Committee before this conference, which always attracts research papers on the COSMIC method. For 2009, **this meeting (on November 4th) will be**

open to anyone interested in the COSMIC method.

This will provide COSMIC users with an opportunity to ask questions and provide input on future development of the method.

The COSMIC organization

The COSMIC organization is structured into two different bodies: the International Advisory Committee (IAC) of 22 members from 15 countries and

the Measurement Practices Committee (MPC).

The COSMICON web-site, www.cosmicon.com, is kept up to date and

describes the COSMIC organization. It also provides complete background data on functional size measurement, FSM methods, etc.

Further information

If you have any questions or require further information on COSMIC, please contact your national representative on the COSMIC International Advisory Committee (see

www.cosmicon.com, IAC).

If you would like to publish an article in this newsletter relating your experience with COSMIC, please forward a draft to the editor at:

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