

## **25 years! What has happened.**



**Paula Holmberg**  
Executive Director, ISBSG

**Pierre Almén**  
President, ISBSG

### How did it start?

Terry Wright

Saw the need for Victorian Government in Australia to

- Control their software spend
- Have objective measures to assess tender responses

Peter Hill

- Owner of Fenwick Software. Also saw the need to measure productivity

Database was started with Victorian project data initially.

Saw the need to be an international organisation to attract international data.

**25 years of ISBSG**

Trends

**Waterfall**

**Contract management**

**Object-oriented**

**Tender responses**

**CMM/CMMI**

**Outsourcing**

**ISO Standards**

**Benchmarking**

**Agile**

**Scope management**

**25 years of ISBSG**

The beginning

## **Who else was instrumental in the beginning**

### Total Metrics

Pam Morris and her team Ewa Wasilkowski & Rob Favata

### Charismatek

Paul Radford, Robyn Lawrie & David Clearly

### Pekka Forselius – NorthernScope

Introduced NorthernScope to the southern hemisphere called SouthernScope

## 25 years of ISBSG

## The beginning

	<b>President</b>	<b>Vice President</b>	<b>Treasurer</b>	<b>Secretary</b>
1998-1999	Terry Wright	Charles Gold		Peter Hill
2000	Terry Wright	Charles Gold	Eberhard Rudolph	Peter Hill
2001-2002	Terry Wright	Charles Gold	Tony Rollo	Peter Hill
2003	Terry Wright	Andrew Sanchez	Tony Rollo	Peter Hill
2004	Terry Wright	Ton Dekkers	Andrew Sanchez	Peter Hill
2005	Ton Dekkers	Pekka Forselius	Andrew Sanchez	Peter Hill
2006	Ton Dekkers	Pekka Forselius	Pam Morris	Peter Hill

## 25 years of ISBSG

## The beginning

	<b>President</b>	<b>Vice President</b>	<b>Treasurer</b>	<b>Secretary</b>
2007-2008	Pekka Forselius	Pam Morris	Tony Rollo	Peter Hill
2009-2010	Pekka Forselius	Pam Morris	Luca Santillo	Peter Hill
2011	Harold van Heeringen	Stavros Pechlivanidis	Luca Santillo	Peter Hill
2012	Harold van Heeringen	Mauricio Aguiar	Pam Morris	Peter Hill

## 25 years of ISBSG

## Current committee

	<b>President</b>	<b>Vice President</b>	<b>Treasurer</b>	<b>Secretary</b>
2013-2016	Harold van Heeringen	Thomas Fehlmann	Christine Green	John Ogilvie
2017	Harold van Heeringen	Thomas Fehlmann	Helen Huang	Paula Holmberg
2018	Harold van Heeringen	Pierre Almén	Helen Huang	Paula Holmberg
2019	Pierre Almén	Helen Huang		Paula Holmberg
2020	Pierre Almén	Pekka Forselius	Raúl Fernández	Paula Holmberg
2021	Pierre Almén	Luigi Buglione	Raúl Fernández	Paula Holmberg

## 25 years of ISBSG

## Current Gold partners

### Membership Types

#### Gold partners

- Providing direction for ISBSG
- Hosting conferences and meetings
- Promoting use of quantitative data
- Want to help the world-wide software community become better at what they do.

#### Other ways of contributing are

- Bronze membership
- Individual membership



## 25 years of ISBSG

## Current Gold partners

### Gold partners - Not for Profit

China SPI (System and Software Process Improvement Association)

FiSMA (Finnish Software Measurement Association)

GUFPI-ISMA (Gruppo Utenti Function Point Italia - Italian Software Metrics Association)

IFPUG (International Function Point Users Group)

JFPUG (Japan Function Point User Group)

NESMA (Nederlandse Software Metrieken Gebruikers Associatie)

### Gold partners - Corporate

Beijing Kexin Science and Technology Ltd (China)

Galorath (USA)

LedaMC (Spain)

Unison (USA)

**Members get discount  
on ISBSG products**

## 25 years of ISBSG

## Previous Gold partners

### Important previous gold partners that have helped shape ISBSG today

AEMES (Asociacion Espanola de Metricas de Software)

AMMS (Mexican Association of Software Metrics)

CESI (China Electronic Standardization Institute)

DASMA (Deutschsprachige Anwendergruppe für Software Metrik and Aufwandschätzung)

NASSCOM (National Association of Software & Service Companies) in India

QESP (Quantitative Enterprise Software Performance)

SSCI (Systems and Software Consortium, Inc)

SwissICT (Swiss Association on ICT and metrics)

### Standards

- ISO standards functional sizing
  - IFPUG ISO/IEC 20926
  - Nesma ISO/IEC 24570
  - FiSMA ISO/IEC 29881
  - MARK II ISO/IEC 20968
  - COSMIC ISO/IEC 19761
- Enabling comparison of projects development and application maintenance
- Assessment and rating of projects and applications submitted
- Benchmarking

ISBSG had involvement in ISO/IEC 29155 series about  
*“Information technology project performance benchmarking framework”*

Benchmarking certification based on ISO/IEC 29155 created. Has a link to ISBSG data.

## 25 years of ISBSG

Supporting research

### Giving back to community

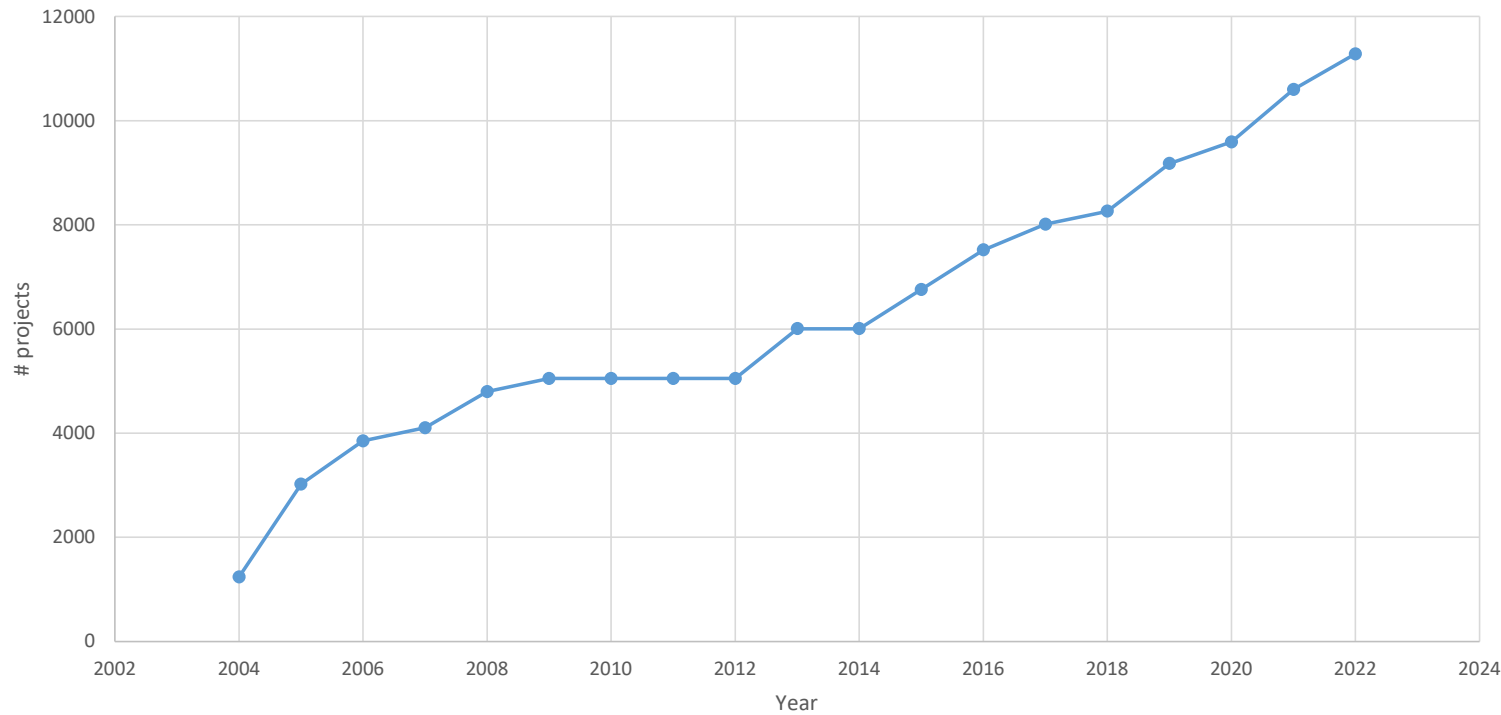
- IT Confidence conferences
  - Rio, Brazil
  - Tokyo, Japan
  - Florence, Italy
  - Los Angeles, USA
  - Beijing, China
  - Mexico City, Mexico
  - Online since pandemic
- Webinars
- Special reports

## **Supporting research**

- Providing data for university researchers
- Give-back to community
- Research papers are published on ISBSG website – over 50 papers
- Researchers can apply to access heavily discounted repositories
- Research and researchers are validated before approval.

# Project submission progression

Development & Enhancement Repository



### Tools/products developed by ISBSG

- Practical Software Project Estimation: A Toolkit for Estimating Software Development Effort & Duration  
Hill, Peter, International Software Benchmarking Standards Group, eBook - Amazon.com 2010
- 2004 Software Metrics Compendium containing 1239 projects.
- The Benchmark Release 6 containing 789 projects.
- The Benchmark Release 8 - Software Defect & Quality edition
- The Benchmark Release 10 - Project Planning edition
- Estimation Reality Checker tool (replaced by PDQ)
- Comparative Estimating tool (replaced by PDQ)
- Reality Check tool (replaced by PDQ)

## Productivity Data Query tool

- Developed 4 years ago
- Provide a simple query facility for productivity, speed of delivery, defect statistics
- Contains only a subset of data
- Only used for quick check
- Full Development & Enhancement repository should be used for detailed check so that you can fully understand comparison set.

Project Attributes	Project Delivery Rate				Speed of Delivery				Defect Density			
	Matches	1st Quartile	Median	3rd Quartile	Matches	1st Quartile	Median	3rd Quartile	Matches	1st Quartile	Median	3rd Quartile
Primary Programming language <input type="text" value="C"/>	218	5.93	12.10	22.38	142	78.50	32.30	17.90	15	38.40	11.00	5.25



## We won't survive without data

- We need data to continue to service the software industry
- We need data for the projects that are happening today.  
E.g. Agile, low-code/no-code
- Why contribute
  - To support the software community
  - Receive a benchmark report to learn from comparing against similar industry data
  - Circular measure, report, improve, measure, report, improve...

<http://isbsg.org/submit-data>

**25 years of ISBSG**

What is your experience?

## **What are others experiences in the last 25 years**

- Compile a list of experiences for the newsletter

**Please tell us your experience**

(send email to [staff@isbsg.org](mailto:staff@isbsg.org))

**THANK YOU 😊**