



IFPUG
International Function Point
USERS GROUP



INTRODUCE IFPUG

THE BENEFITS OF USING IFPUG SIZING STANDARDS

Christine Green
Immediate Past President of IFPUG

29th of March 2022



Abstract

The presentation will introduce the International Function Points Users Group (IFPUG) and the business benefits of using IFPUG

Sizing Standards in successful projects and software contracts which require successful estimation, requirement traceability and delivery verification.

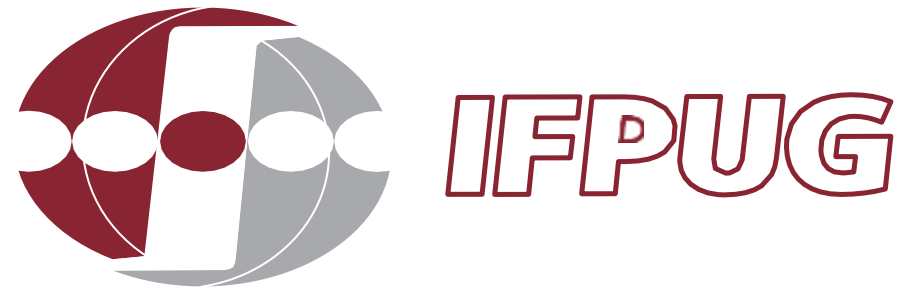
Event: Softec2022

Place: Virtual - Malaysia

Time: 29th of March 2022

Host Organisation: MSBT

IFPUG's Mission is to be the recognized leader in promoting and encouraging the effective management of application software development and maintenance activities by **providing software sizing standards** and **supporting techniques and methods** that is critical for the **successful and effective delivery of software**.



CHRISTINE GREEN



Owner of IPbyGreen - Senior Consultant

25+ years of experience in the software industry. Focus on Process Improvement, Complex and Critical software projects. **Software delivery with success.**

Worked on Critical contracts and projects for both government and private sector since 2003 for EDS & HPE (employed between 1996-2017). Independent Consultant since 2017.

Advisor & Mentor on Complex Forecast and Unit Based Contracting.

Current assignments:

Project/Program Manager at Healthcare Industry Projects (UK, IE and Sweden). Contractual Price Model Advisor on Large Scale EU Projects.

M.Sc. in Mathematics and Computer science

Certified - PMP, CSM, SA, LSS BB, CFPS Fellow

www.linkedin.com/in/christinegreendk



President of IFPUG 2019-2021

CFPS Fellow since September 15th 2020

THE SYNERGY IN IFPUG

Membership

Board

Committees
(volunteers)

Taskforces
(volunteers)

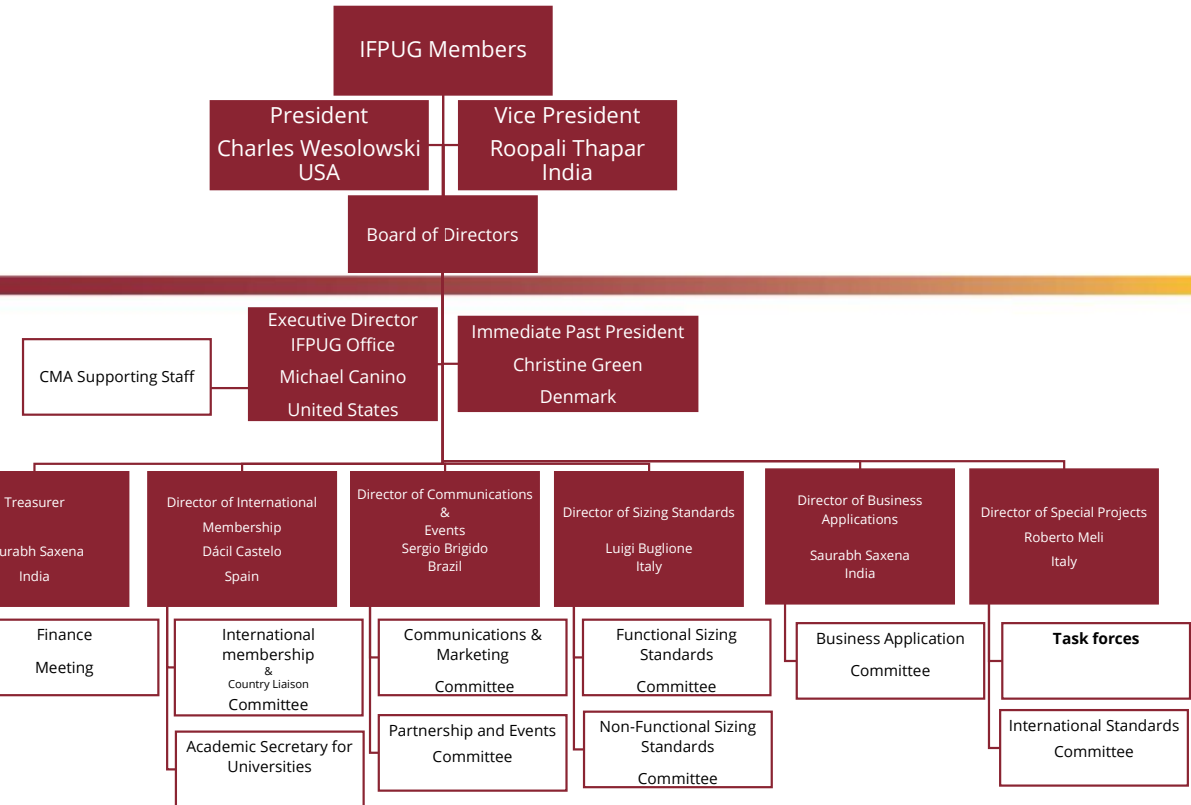
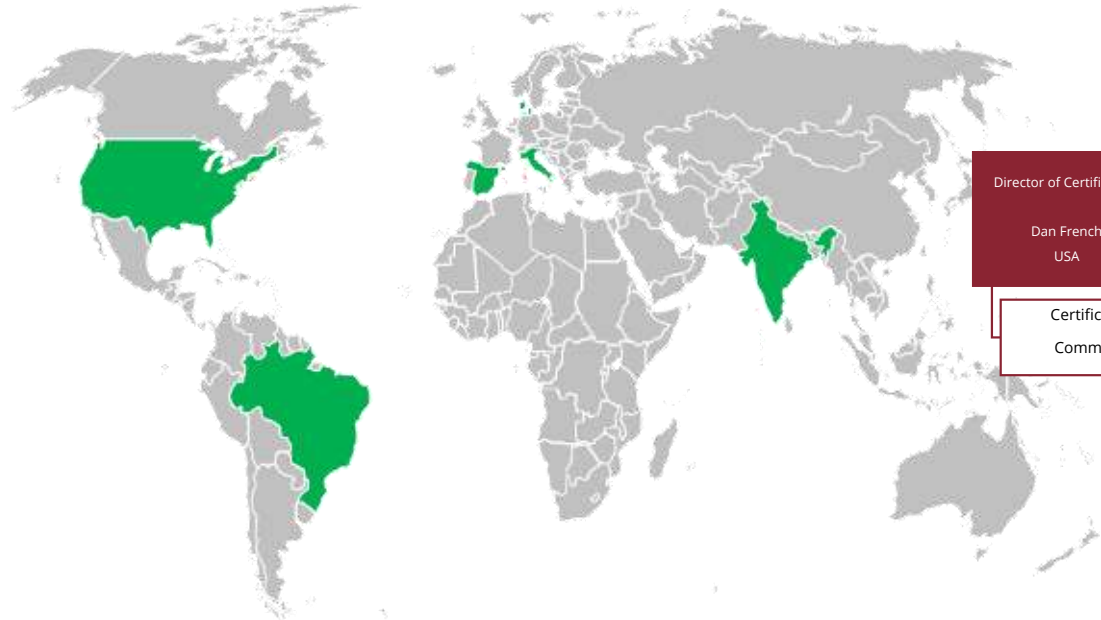
CMA

Brightest

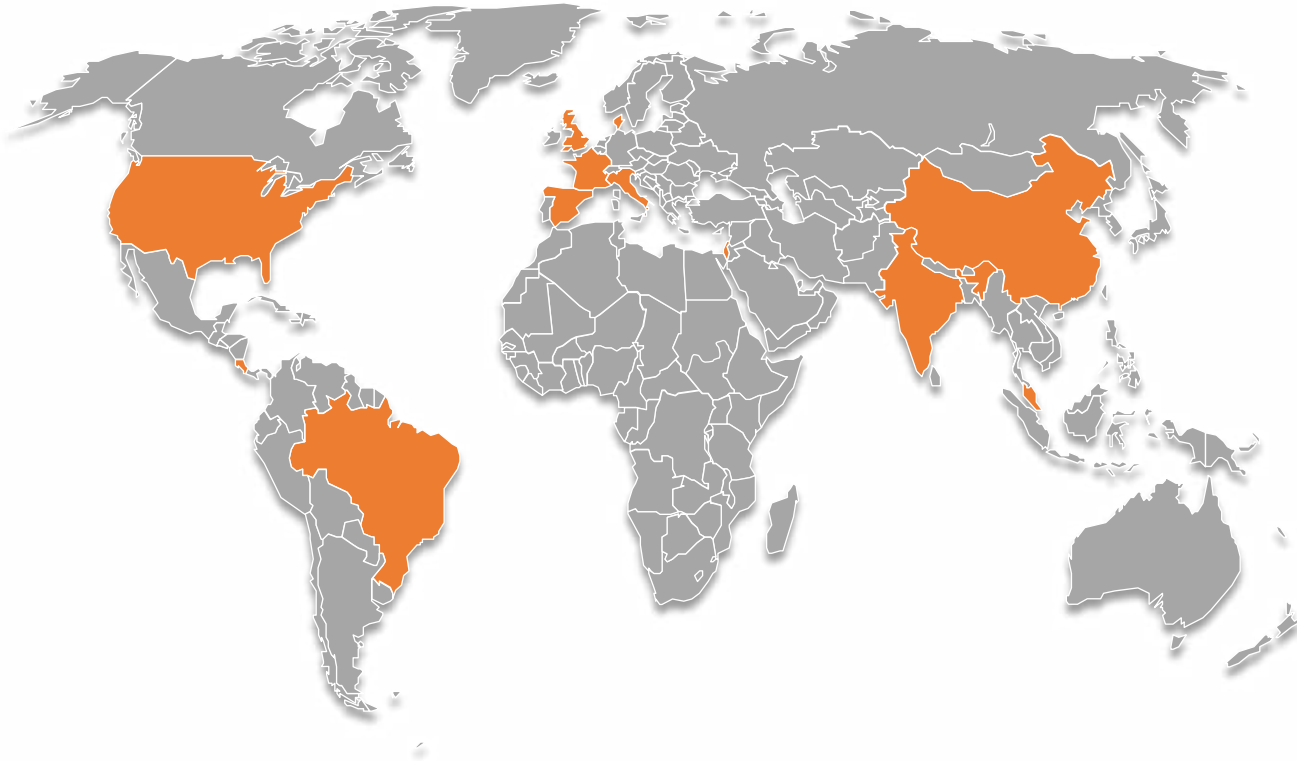
Partners

Advisors

CURRENT BOARD



IFPUG COMMITTEES & VOLUNTEERS



**Mr. Amiruddin Bin Jaafar Sidek
(Country Representative Malaysia)**

Kuala Lumpur, SE
Malaysia

IFPUG SIZING STANDARDS



IFPUG Function Point Certifications



Busting Myth

Works Perfectly in Iterative projects (Agile)



It is not difficult to use!

As a technical resource, the method requires you to think logically and from a user perspective. That can be hard for some! But easy for others...

It is not old and outdated

Old – Yes, FPA is, but for sure not outdated. It is stable, consistent and continue to show its value in the organizations embracing it. **Old is wise** and fresh if you keep exercising...

It is usable on all types of technology or business areas

Yes, sometimes a twist is required in order to map from Scope to Effort – but “twisting” the right way can be done without compromising the external references.

IFPUG Sizing Standards is changeable and remain consistent when changes are applied with attention

IFPUG SIZING STANDARDS



IFPUG SIZING STANDARDS



THE IMMEDIATE ADVANTAGES

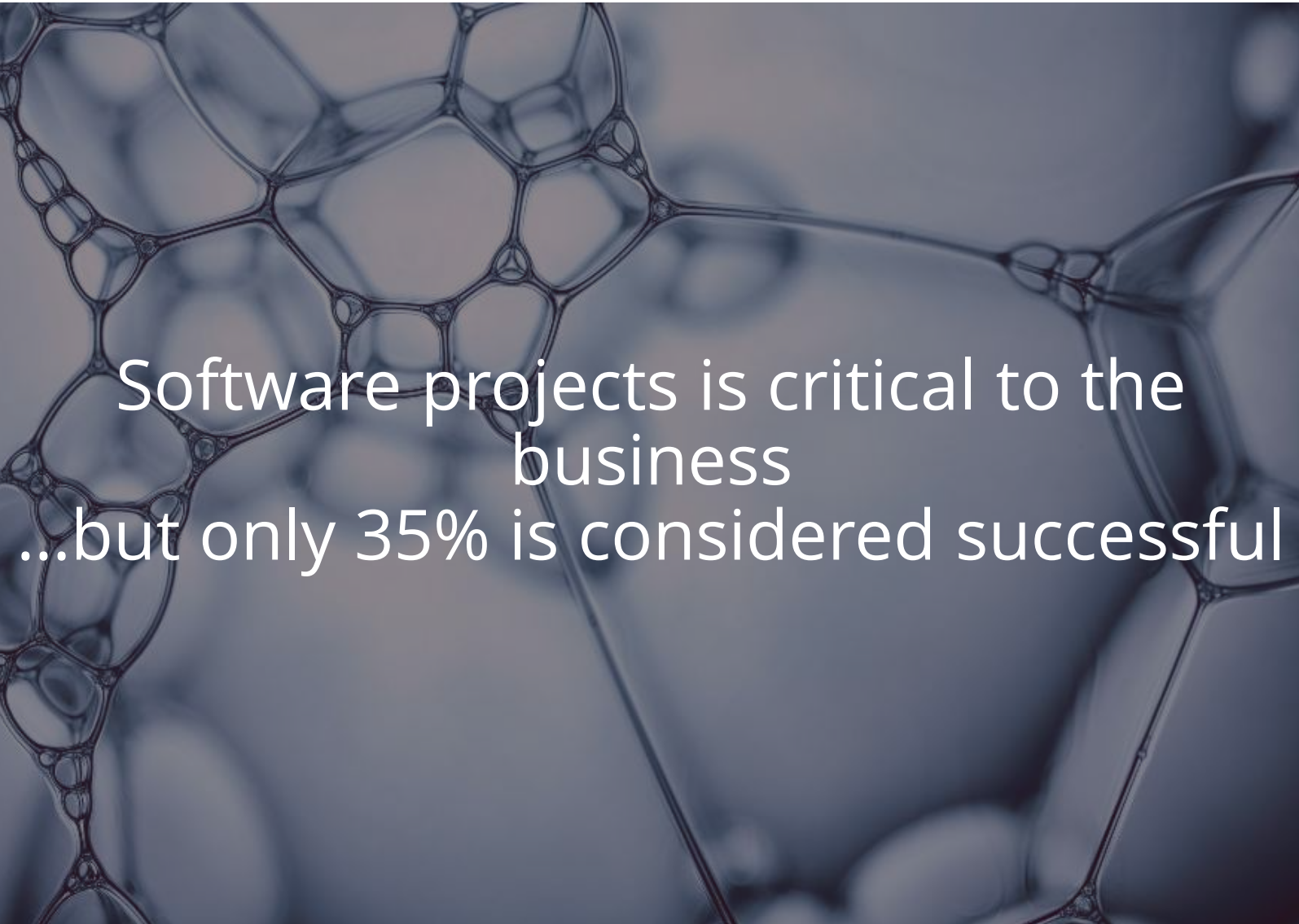
- It breaks down requirements to a consistent level
- It is a detailed peer review
- It is a perfect “companion” for Accurate Estimation, Pricing and Benchmarking

BENEFITS OF IFPUG SIZING STANDARDS

- Consistent and Stable Software Size
- A process more than a single number
- Strengths in its definition and usage
- The best scope management and control methodology in the world
- The high-level perspective of landscape and business coverage
- The Requirement traceability and control from a user's perspective
- The visibility that is required from Business Process to Software testing
- The quantitative measure between Purchaser and Delivery organization
- Strength is in the consistency
- Early, detailed and controlled – can evolve and change
- The visibility from Business Process to Software delivery acceptance

A Certified IFPUG Specialist is an expert in bridging between User, Technical and Planning needs

The Process for scope illumination, control and measurement



Software projects is critical to the
business
...but only 35% is considered successful

Removing the ability to fail a software project
would bring a ROI of at least 1% of the
revenue...

WHAT DOES IT TAKE TO BUILD A LEGO CONSTRUCTION?

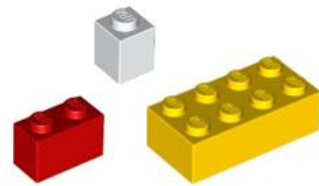


Simple construction

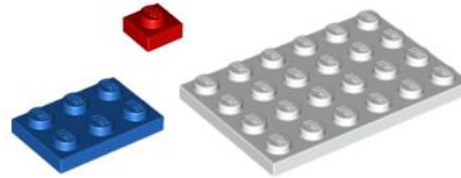


Complex construction

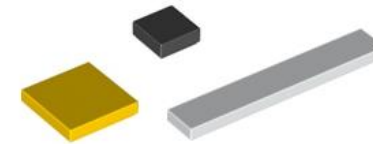
IT CERTAINLY DEPENDS ON THE REQUIREMENTS



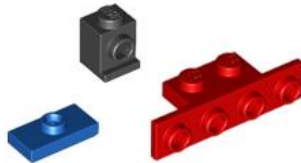
Bricks



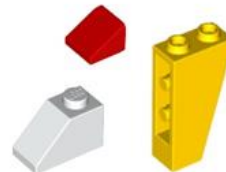
Plates



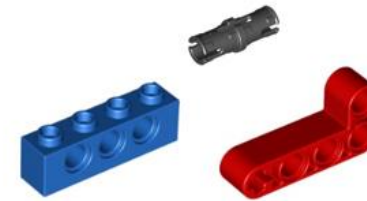
Tiles



SNOT

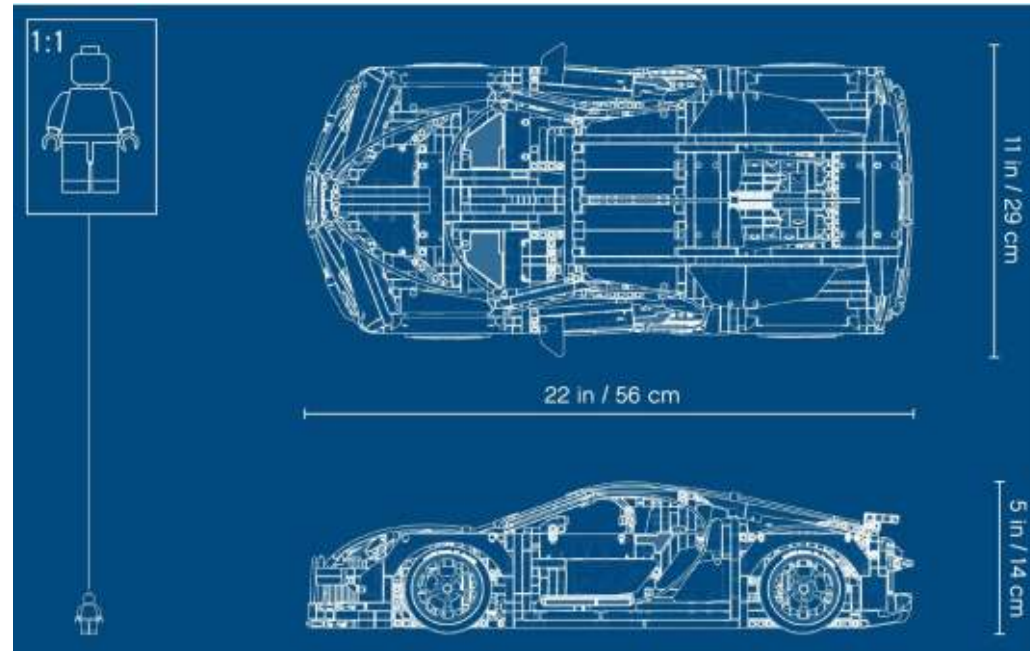


Slope



Technic

...HOW ACCURATE YOU KNOW THE REQUIREMENTS



...THE EXPERTISE AT HAND



Low expertise



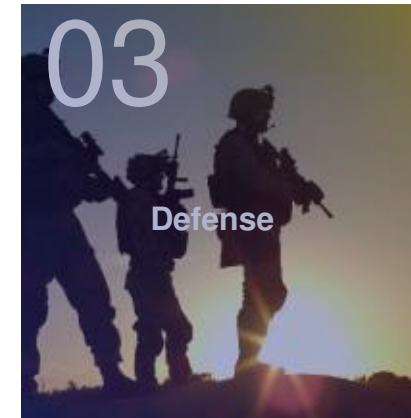
High expertise

... THE TECHNOLOGY & METHODOLOGY YOU USE



GOVERNMENTS' USAGE

- Request for Proposal Evaluation
- Competitive pricing Evaluation
- Monitoring and Control of deliverables
- Quality Assurance Measurement
- Scenario Evaluation

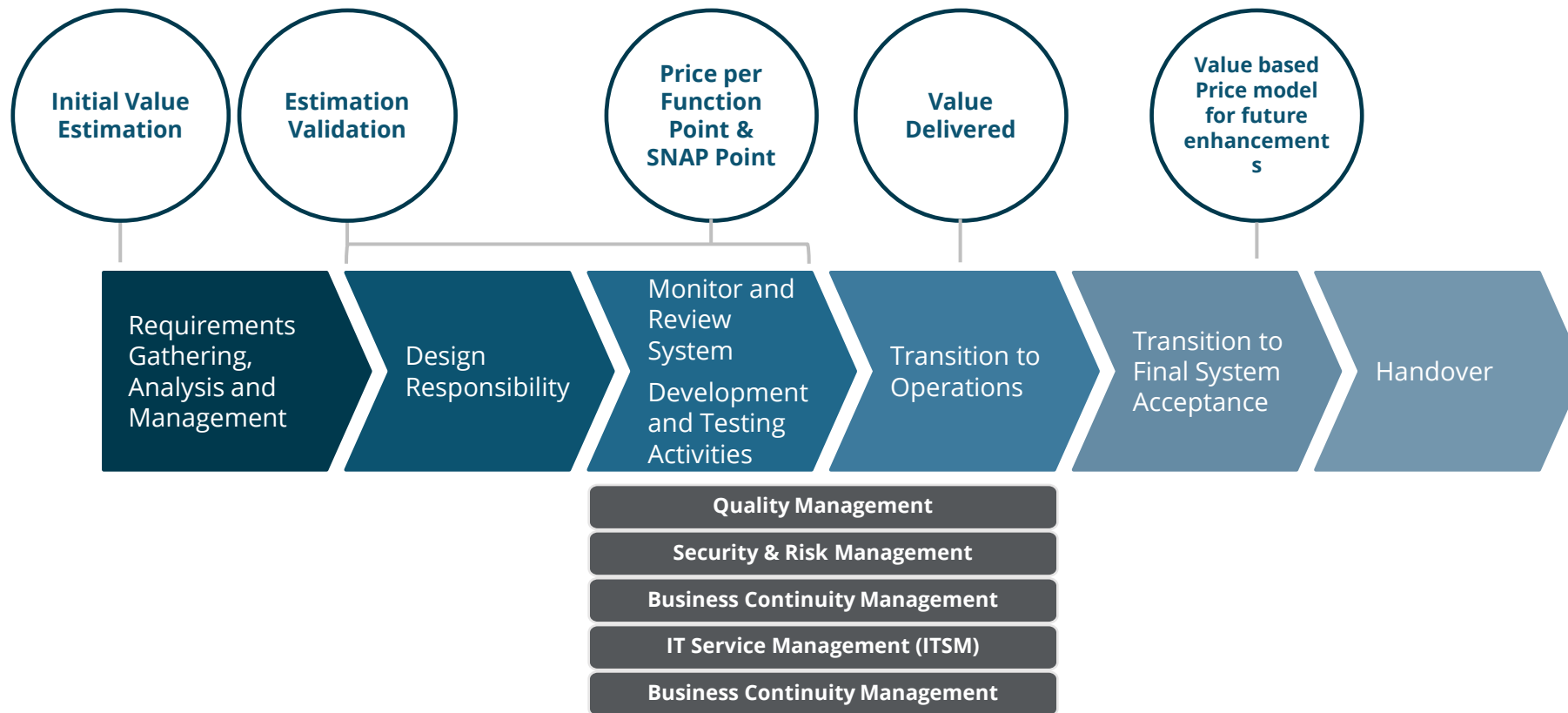


EUROPEAN UNION USES FPA & SNAP

- Competitive Price evaluation
- Price per FP
- Monitoring and Control of Scope
- Scenario analysis



REALISTIC SCHEDULE AND COMPETITIVE PRICING

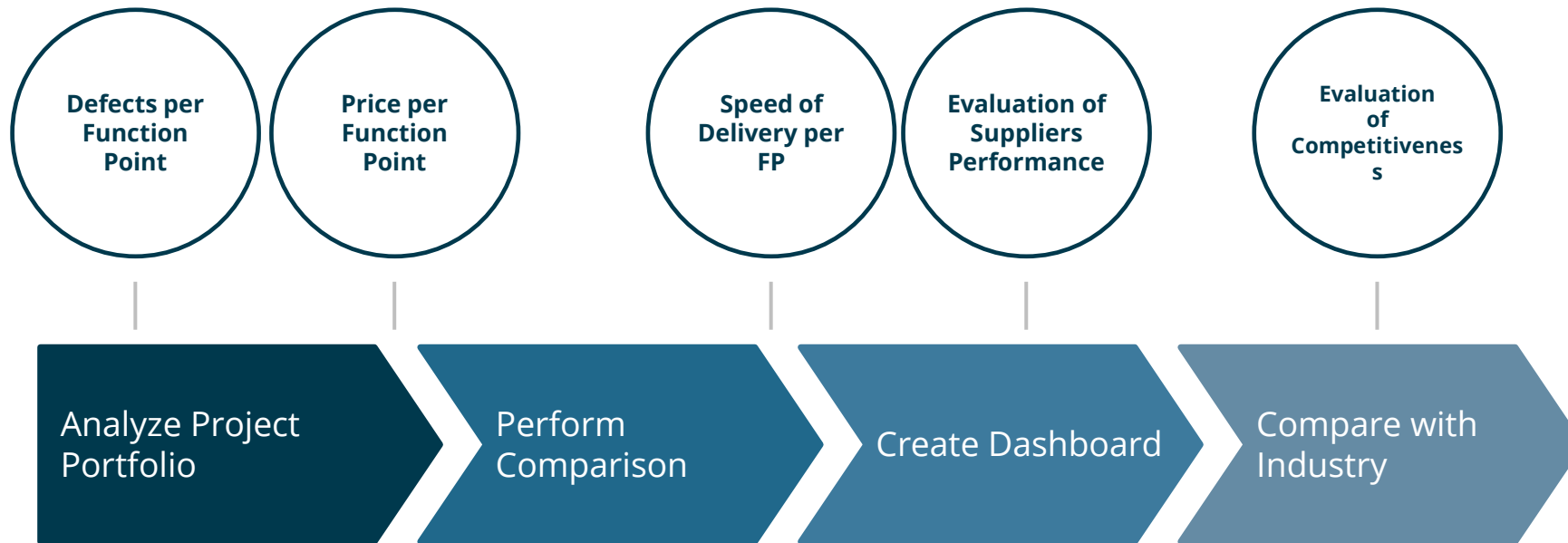


PRIVATE SECTOR COMPARISON

- Estimation comparison on RFP
- Monitoring and measuring of software
- Supplier Evaluation
- Price negotiation



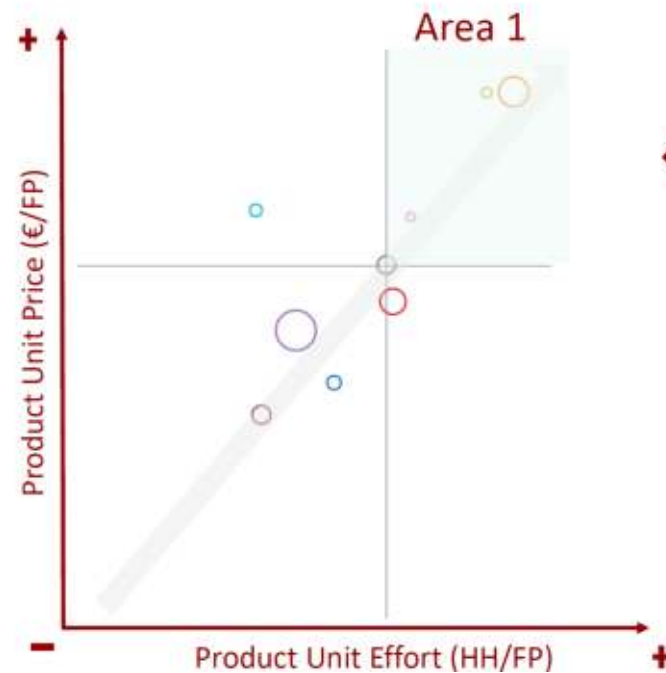
BENCHMARK PERFORMANCE AND PRICE



EVALUATING SUPPLIERS THROUGH FPA

Leda-MC
The **first** organization with
the IFPUG Benchmark
Certification

You can analyze if your rates are (or aren't) well balanced with the effort required by the vendors.



Vendors who require more effort and price per FP.

They should improve their productivity.



Example - a reduction of 32% of Yearly IT Budget

PARAMETRIC ESTIMATION TOOL

NATO Case

With its initial proposal the vendor requested a project budget of **€7.2Million**. Using the risk-based estimates generated from SEER, NATO were able to negotiate a project cost **€4.1Million**, a saving of 43%. Instead, the usual **5%-10%** expected through traditional negotiations.

Data-driven estimation is seen as a fundamental part to the success of project delivery within NATO.



PARTNERSHIP AND EVENTS



**IFPUG & NESMA MOU
ANNOUNCEMENT**

WWW.IFPUG.ORG

IFPUG METRICVIEWS

- Released twice a year

Next MetricViews subjects:

- Stories about how companies have successfully used the IFPUG Sizing Standards and the benefits and competitive advantages of using these methodologies
- Opportunities and developments in the industry
- Features for C-level executives to understand the value of IFPUG



Coming to you shortly

IFPUG AD/M BENCHMARKING CERTIFICATION



NEW

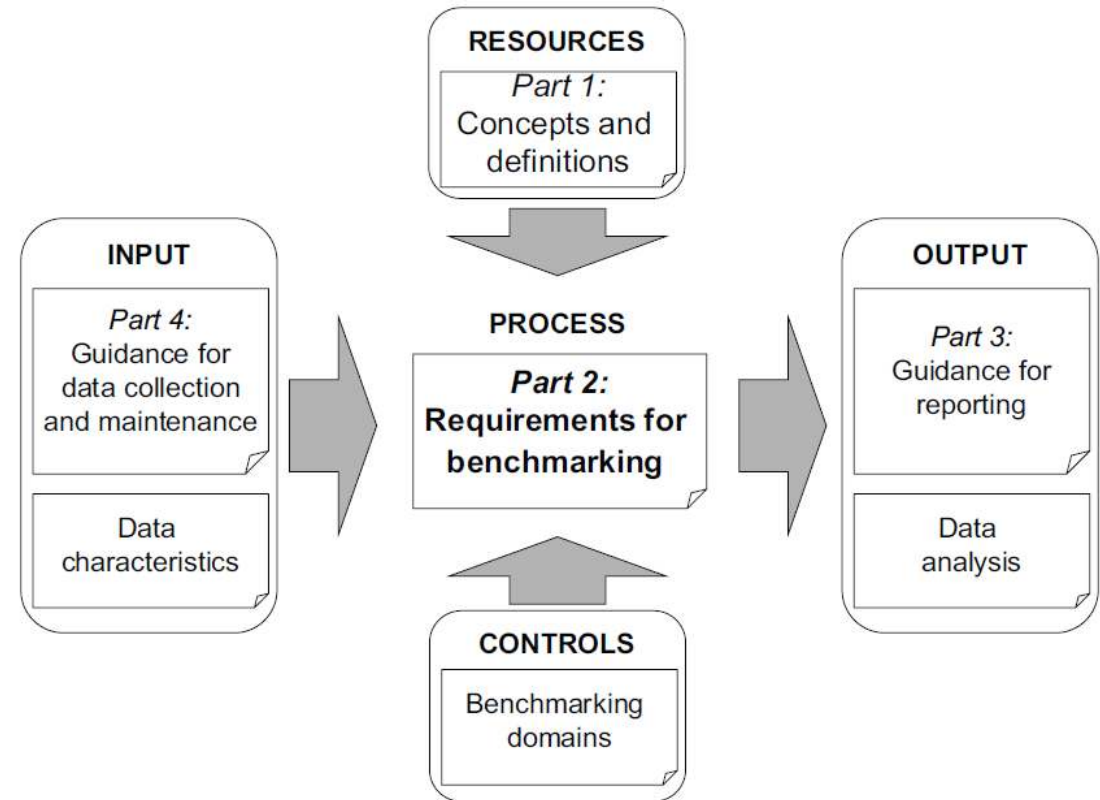
Background

- IT organizations must ensure they are focused on the appropriate goals by comparing their level of performance against the industry, using highly reputable benchmarking data
- The IFPUG certification program represents a method for ensuring that a benchmarking service provider meets the necessary requirements to conduct an AD/M benchmark analysis
- IFPUG has concluded that the **ISO/IEC 29155 series** represents the most appropriate framework for IT AD/M benchmarking.

IFPUG AD/M BENCHMARKING CERTIFICATION

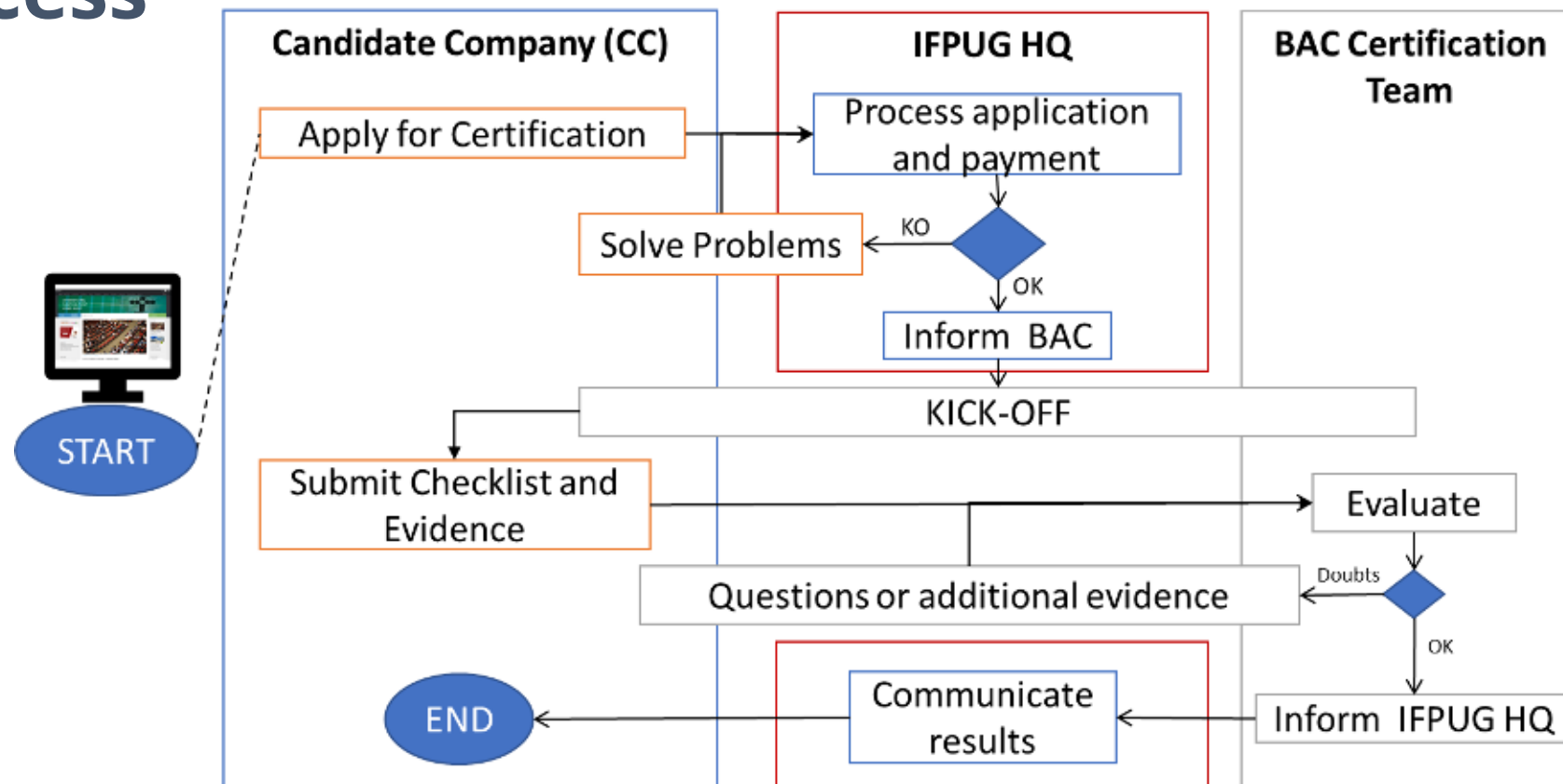
ISO/IEC 29155 - Information technology project performance benchmarking framework

- Part 1: Concepts and definitions
- Part 2: Requirements for benchmarking
- Part 3: Guidance for reporting
- Part 4: Requirements and guidance for data collection and maintenance



IFPUG AD/M BENCHMARKING CERTIFICATION

Process



IFPUG FUNCTION POINT ANALYTICS REPORT



The IFPUG “Analytics of the International Software Benchmarking Standards Group (ISBSG) Development and Enhancement Repository” contains function point count sizing data, associated work effort data, and other statistical data from over 4400 IFPUG-based function point counts submitted to ISBSG voluntarily worldwide. From these, we have derived a 61 page report of detailed analysis of the current Repository database.

There are descriptive statistics of many of the key application demographics. The inferential statistics include software size forecasting and software development work effort forecasting. It provides the meaning of the analysis in both layman’s and formal terms. It is written to be understandable by both newcomers to function points and experienced veterans, software development professionals, and academicians who may teach software engineering classes or do research in the field.

Report information can be of value for software project estimation, planning, outsourcing, starting a metrics program and comparison of own projects. The analytics formats can be duplicated by individual organizations for their software metrics programs.

The report is available as an electronic download from the IFPUG store (www.ifpug.org). It is free for IFPUG members and is \$185 (US) for those who are not IFPUG members.

WHITE PAPERS & ITIPS– ON ITS WAY

- Boundaries and Partitions
- Measuring the Size of Security Requirements
- Function Point Analysis Rules
 - Interpretations for Elementary Processes
- iTips
 - User Story- provides guidance on the application of the IFPUG FPA methodology in counting Agile Epics, Features and User Stories

SIMPLE FUNCTION POINT



The ICT world is going “agile” and IFPUG is again leading the way in Functional Size Measurement Methods!

After having “defined” the concept of functional size and contributed to the evolution of the international standards, IFPUG is now presenting the next step to the community of measurement practitioners and software developers: a lightweight Functional Measurement Method!

The Simple Function Point method was designed by **Roberto Meli** in 2010 to be compliant with the ISO14143-1 standard.



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To find out more visit us at

IFPUG.org

or email us at ifpug@ifpug.org

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