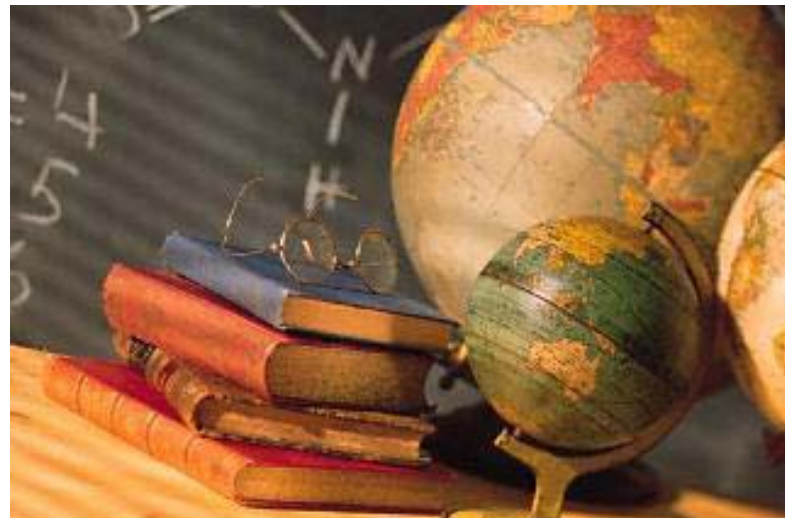




Survey of Automation Tools Supporting COSMIC-FFP – ISO 19761

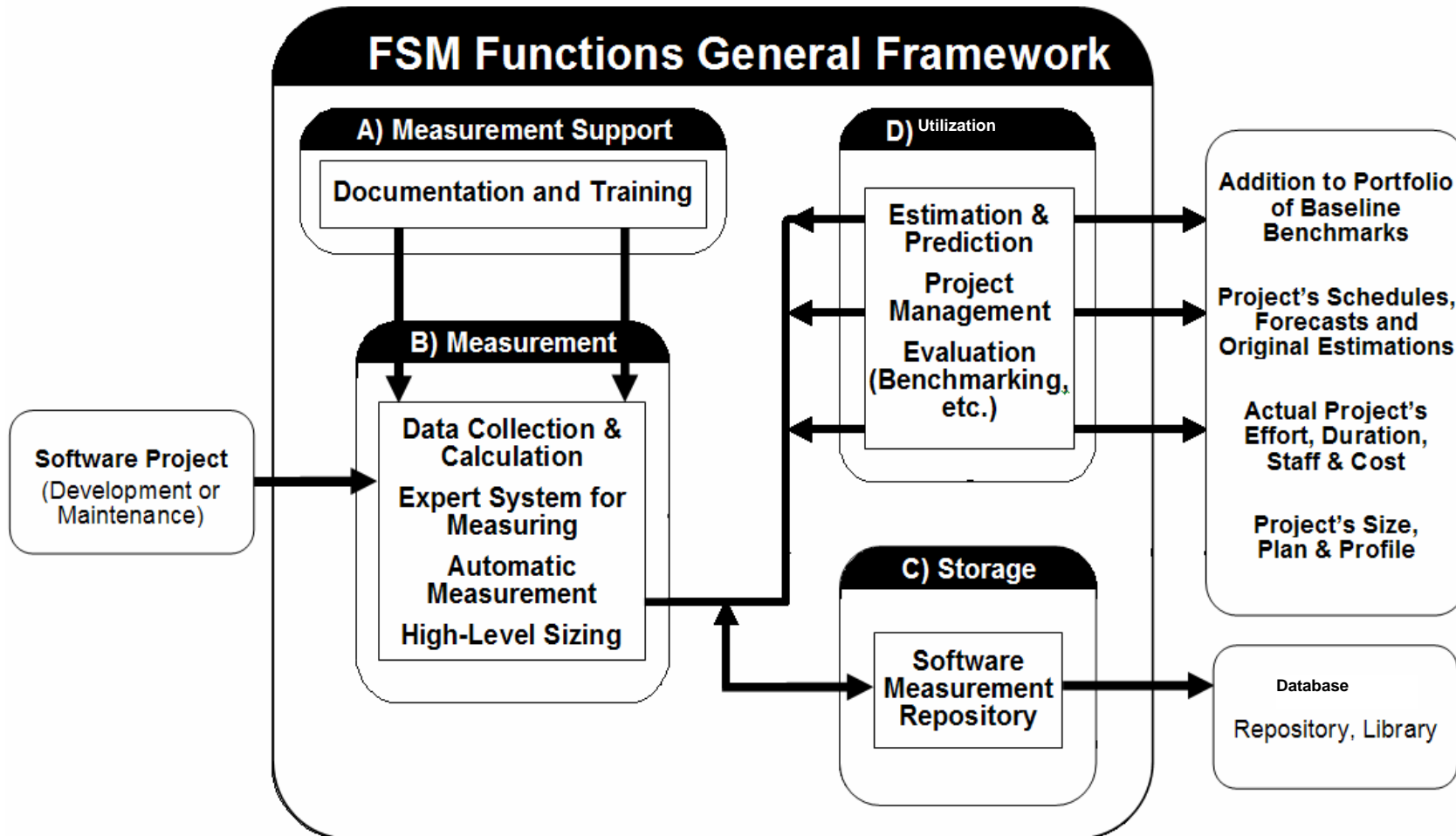


Anabel Stambollian & Alain Abran



List of topics

- 1) A framework of tools for functional size measurement - FSM*
- 2) Market survey results*
- 3) Market opportunities*





FSM Key Dimensions (4)	Tool Categories (10)
1. Measurement Support	<ul style="list-style-type: none">- Documentation- Training
2. Measurement	<ul style="list-style-type: none">- Data Collection & Calculation- Expert System for Measuring- Automatic Measurement- High-Level Sizing
3. Storage	<ul style="list-style-type: none">- Software Measurement Repository
4. Utilization	<ul style="list-style-type: none">- Estimation & Prediction- Project Management- Evaluation (Benchmarking, etc.)



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Tool Categories (10)	COSMIC Xpert	ISBSG	MeterIT-Cosmic MeterIT-Project PredictIT	Experience Pro	Knowledge Plan	SIESTA
Documentation	X		X			
Training	X		X			
Data Collection & Calculation			X	X	X	X
Expert System for Measuring	X					
Automated Measurement						
High-Level Sizing			X	X	X	X
Software Measurement Repository		X	X	X	X	
Estimation & Prediction			X	X	X	X
Project Management			X	X	X	X
Evaluation (Benchmarking, etc.)		X	X	X	X	



List of topics

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- ➔ Major gap in automation
- ➔ Research prototypes in progress:
 - **XForms-Format** – Li – Waseda U.
 - **μcROSE, ROOM** – Diab et al. U. Sherbrooke
 - **COSMIC-RUP** – Azzouz – UQAM-ETS
 - **Ontological formalization** – Bevo – UQAM
 - **OO-Method RMFFP** – Condori - Pastor – Valencia



ÉCOLE DE TECHNOLOGIE SUPÉRIEURE – MONTRÉAL - CANADA



Thank You !



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