

## SUSTAINABLE DEVELOPMENT, EFCA-FIDIC COMMITTEE

### ANNUAL 2014 REPORT TO EFCA AND FIDIC

As chair of this committee, my major concern is a much better integration of SD committee actions in the EFCA and FIDIC strategic action plan, and better consistency with other actions; for example the FIDIC annual Conference, FIDIC training program, FIDIC contracts ... and EFCA lobbying, as well as contribution to other EFCA and FIDIC actions (public procurement, life cycle cost methodology ... ).

The table hereunder points out

- the objectives : they have to be in line with FIDIC and EFCA board policy,
- the strategy and tactic of the SD committee being developed to achieve the objectives,
- the next steps and challenges,
- some issues related to future developments.

Last, a personal comment on the importance of a major emerging issue: the interconnected society.

For some people it is not an evolution, but a revolution that will condition the future of our society for a long time. The work on sustainable cities I'm involved in, gives clear evidence of that, as well as the Syntec-Ingénierie Conference attended by 2000 persons in October 2013 . It will have a major impact on the role and position of the engineering consulting industry: either as a technical specialized subcontractor, or as a key player able to make the connection and synthesis between all specialized shareholders of cities or communities . In more practical terms, sustainability and smartness have to be simultaneously considered and not opposed. That's the position defended on behalf of FIDIC or EFCA in ISO and CEN work on cities and communities. It's a fantastic opportunity for the consulting engineering industry that will also impact their way of working, their management, and the competences that EFCA and FIDIC should consider. In line with this, BIM is an emerging new approach and technical tool for the engineering of buildings, infrastructures or groups of these. It will change the role of different stakeholders (owner, architect, engineer, general contractors ...) in a construction operation, and it will strongly impact the consulting engineering Industry, that should anticipate these developments in many of its program such as training, contracts ...

Personal note: some major industries (electronic, telecommunications, utilities operators...) are already fighting for these future markets.They all have a sectorial and specialized point of view mainly based on ICT. There is clearly a big business challenge FIDIC and EFCA should anticipate.

Jean FELIX

<b>EFCA/FIDIC contributions in</b>	<b>Objectives</b>	<b>strategy</b>	<b>Tactic</b>	<b>Action plan</b>	<b>Challenge</b>	<b>Issues to be considered for future developments</b>
<b>ISO TC 268, (smart and sustainable cities and communities)</b> Four planned standards on <ul style="list-style-type: none"> <li>- smart infrastructure</li> <li>- sustainable management of communities</li> <li>- indicators</li> <li>- vocabulary</li> </ul>	To make from these standards a framework for Cons. Eng. services : <b>a common operational language.</b>	To be, through FIDIC network, an influent partner for this standards elaboration.	To propose amendments based on EFCA/FIDIC position and documentation (Rethink cities, PSL, PSM , ...) when existing.	<ul style="list-style-type: none"> <li>- Feb. 2014: Yokohama meeting</li> <li>- May 2014: Toronto meting</li> <li>- Standard ready for ballot end of 2014</li> </ul>	- <b>To position the consult. eng. indus. in a developing market introducing “EFCA FIDIC rethink cities proposals” in the future standard</b>	<ul style="list-style-type: none"> <li>-To develop case study basis</li> <li>-Scope of works of Cons eng.: enlarged competence</li> <li>-</li> </ul>
<b>CG SSCC</b> <b>CEN CENELEC ETSI</b> <b>Coordination Group on Smart and Sustainable Cities and Communities</b>	A European standardization plan that increases <b>engineering consultancy opportunities in SSCC development, as an integrator of all aspects to be considered.</b>	To input in standardization work, contributions that emphasize the consulting engineering role in SSCC . EFCA Partnering with EU DG environment.	To propose case studies prepared by consulting engineers.	<ul style="list-style-type: none"> <li>- Jan. 2013 meeting in Brussels</li> <li>- Mars plenary meeting</li> </ul>	- <b>To avoid the risk of dominant position of the electronic and telecom. industries in the smart cities developing European market supported by the European Commission (EIP ...)</b>	-Links with EU DG environment program, contribution to its September meeting
<b>WWF - Lafarge eleven case studies of sustainable cities</b>	<b>To promote FIDIC image, partnering WWF a well-known NGO in sustainable development</b>	To offer FIDIC brand in WWF/Lafarge joint venture for case studies of 11 sustainable cities in the world		Publication of WWF report subcontracted to a Dutch consultant, is planned in Jun 2014	- <b>To strengthen FIDIC partnership with WWF a worldwide recognized NGO</b>	<ul style="list-style-type: none"> <li>- Partnering with WWF and other international organisms ?</li> <li>-</li> </ul>
<b>iSBEE international</b>	<b>To promote FIDIC image, partnering</b>	To offer FIDIC brand for iSBEE 10 to 15		- FIDIC to contact iSBEE for further	- <b>Networking, An opportunity for</b>	-To question FIDIC position supporting

<b>conferences yearly campaign</b>	<b>this international association dedicated to sustainable development.</b>	yearly conferences mainly with academics.		joined actions mainly on training sessions	<b>FIDIC and its members to be part of a yearly worldwide program of conferences on SD.</b>	iiSBEE model of sustainable construction? -
<b>Prof Guthrie 2014 report to FIDIC</b>	<b>An additional tool for FIDIC member firms.</b>	To integrate Prof Guthrie 2014 report in FIDIC SD toolbox.	To create links between Prof Guthrie indicators and FIDIC PSL as example of indicators.	- Contacts with Prof Guthrie (June 2014) - Prof Guthrie to be invited to attend June 2014 SD committee meeting	<b>A potential added value to FIDIC tool kits for sustainable development</b>	-Further cooperation with prof Guthrie especially with updating FIDIC toolbox especially PSL ?
<b>ENVISION A US rating system for infrastructures</b>	To create a partnership with FIDIC PSL to refer Envision targets in adequate places.			Contacts Bill Wallace – FIDIC (Feb 2014)	<b>- A mention and possible link in FIDIC toolkit (PSL) to adequate place in Envision would improve scope and interest of PSL.</b>	-To question FIDIC position supporting Envision rating system, but partnering for PSL might be an alternative
<b>UNEP SBCI Sustainable building and climate initiatives</b>	- FIDIC image on sustainable construction at international level - To position the engineering consultancy industry as a partner for these developments	Being for some years supporting member of that initiative	- To be part of its steering committee (Ike van der Putten) - to integrate in planned common training sessions some UNEP SBCI tools like Carbon metrics	A yearly meeting of the steering committee attended by Ike VDP	<b>To position FIDIC and the cons. eng. indus. as a trusted partner of international institutions in sustainable construction, and make link with other UNEP programs like GIREC here down</b>	Place of SBCI among other international initiatives: WWF, WBSC, OIT, ...
<b>UNEP GIREC Global Initiative for resource Efficient cities</b>	<b>- FIDIC and engineering consultancy image</b> as a key partner on sustainable cities, an	To be a supporter of that initiative from the beginning, To be involved in GIREC steering	- Signature of a MOU (Memorandum of Understanding) in Barcelona 2013 - Mention of Unep Girec	Next steering committee meeting in Medelin during UN Habitat meeting	<b>Similar and complementary to UNEP SBCI, here above, but focused on sustainable cities,</b>	Place of UNEP GIREC as regard other international initiatives, mainly : to avoid UNEP tools to

	emerging issue - <b>To position the engineering consultancy industry</b> as a key actor on that.	committee	in EFCA FIDIC White book “Rethink cities” - A common action plan on training including some SBCI and GIREC consideration is planned		<b>and resource efficiency FIDIC</b>	be developed for GIREC, be redundant with other initiatives (ISO indicators ..)
<b>FIDIC UNEP Training campaign on SD tools</b>	<b>The image of FIDIC and of the industry</b> on sustainability issues.	To promote through these training sessions FIDIC position (Rethink cities ...) and its toolbox with a strong focus on sustainable cities.	- to use FIDIC documentation and tools as support to these plan training session - partnering with UNEP and later other potential organization.	- Program being prepared under Ike VDP supervision: June session “Train the trainers” 19 <sup>th</sup> and 20 <sup>th</sup> of June in UNEP Paris office.	<b>To position and promote FIDIC toolkit and the cons. eng. ind. in a quick developing area of concern, and open business opportunities for our industry.</b>	Basic questions: -Links with other FIDIC training programs (YP ...) ? -Diploma linked to these sessions? - E learning and/or traditional sessions
<b>PSL toolbox Project Sustainability Logbook</b>	To position the consulting industry on major emerging issues, Sustainable Development.	An EFCA/FIDIC “position” (Rethink cities) supported by various FIDIC tools available on FIDIC website and in PSL website and platform.	- FIDIC and EFCA agreement with the promoters of CBDD®/PSL, to use a shared copyright of their toolkits, and to support the use of it with the digital platform being developed by Syntec-Ingénierie .	- Launch of the toolbox in Barcelona 2013 - Launch of CBDD (the Moroccan version of PSL) in Rabat February 2014 - Launch of the Syntec-Ingénierie platform support to use of PSL 15 <sup>th</sup> May 2014 -	<b>To promote ad position the cons eng. ind. as a “trusted adviser” in operations, through operational specific EFCA FIDIC tool kits and the platform dedicated for their use.</b>	- Consistency of FIDIC tools (terminology, methodology ...) - integration of Prof Guthrie reports