



TAIEX Workshop on the Resource Efficiency of Construction and Concrete Materials

**organised in co-operation with
Ministry of Energy**

**Venue :
Several venues indicated below
16-18 July 2018**

**Beneficiary :
Israel**

INT MARKT 65109

Aim of the meeting:

The objective of this Expert Mission is creating professional discussions on resource efficiency in the concrete aggregates sector, thus learning new methods and developing standards to facilitate the reduction of large quantities of quarry wastes. This could be achieved through an exchange of good practices between European experts and members of the technical and expert committees within the Standards Institution of Israel (SII), engaging in brainstorming sessions on the most pressing issues regarding standardisation of concrete and construction aggregates. It is anticipated that the Expert Mission should be supportive of a revision in the Israeli standards for aggregates.

Experts:

- Francesco Loro, Waste Management Expert, Environmental Protection Agency of Veneto, Italy
- Marta Sanchez de Juan, Head of Technical Regulations Area, Technical General Secretariat, Ministry of Development, Spain

Day 1: Monday 16 July 2018

Tel-Chanan, Oshrat & Kadarim

08:00- 09:00	Introduction meeting & Transportation to field tour
09:00- 10:00	Visit to Tel-Chanan Concrete Factory <i>Location: Tel Chanan Concrete Factory, Ha-Yetsira St, Haifa</i>
10:00- 10:30	Transportation to Oshrat
10:30- 12:00	Visit to Oshrat quarry site <i>Location: The quarry is located nearby Netiv HaShayara. Headquarters office address: HaBankim 3 Haifa 31004</i>
12:00- 13:00	---Lunch Break---
13:00- 14:00	Transportation to Kadarim
14:00- 15:30	Visit to Kadarim quarry site <i>Location: The quarry is located nearby kibbutz Kadarim. Headquarters office address: Bialik 155 Ramatgan 52523</i>
15:30- 16:00	Aggregate quality constrains (Discussion with hosts)
16:00- 17:00	Visit to concrete production
17:00- 18:00	Return transportation

Day 2: Tuesday 17 July 2018

**Venue: National Building Research Institute (NBRI),
Technion- Israel Institute of Technology, Haifa**

08:00 – 08:15	Trends of natural aggregates production in Israel, status of reserves, future projections <i>Representative of the Ministry of Energy</i>
08:15 – 08:30	Trends of alternative aggregates production in Israel, future projections <i>Representative of the Ministry of Energy</i>
08:30 – 08:45	Trends of aggregates consumption in Israel, demand for building materials, future projections <i>Representative of Ministry of Finances/ or Ministry of Construction and Housing</i>
09:00 - 09:30	SI 3- Natural aggregates for concrete: Dilemmas and challenges <i>Professor Arnon Bentur</i>
09:30- 10:00	SI 5003- Recycled aggregates: Dilemmas and challenges <i>Professor Amnon Katz</i>
10:00 – 10:30	European standards of aggregates for concrete: current status and developments in progress <i>Marta Sanchez de Juan</i>
10:30 - 11:00	---Coffee break---
11:00 - 11:30	SI 896- Admixtures for concrete Dilemmas and challenges <i>Yossi Sikuler</i>
11:30 - 12:00	EN 934- Admixtures for concrete: current status and developments in progress <i>Francesco Loro</i>
12:00 - 12:30	Light weight aggregates: current status and developments in progress <i>Professor Konstantin Kovler</i>
12:30 - 14:00	---Lunch Break---
14:00 – 14:45	Retrospective overview on the development of European standards of aggregates for concrete: How did it increase efficiency? <i>Marta Sanchez de Juan</i>
14:45 - 15:30	Differences of standards application between European countries: How does this relate to availability of aggregates and their quality? <i>Francesco Loro</i>
15:30-16:00	Coffee break
16:00-16:45	Utilization of marginal quality aggregates <i>Marta Sanchez de Juan</i>
16:45-17:30	Open discussions

Day 3: Wednesday 18 July 2018

**Venue: National Building Research Institute (NBRI),
Technion- Israel Institute of Technology, Haifa**

08:00 – 08:30	Aggregate supply scarcity and quality constrains <i>Representative of the Ministry of Energy</i>
08:30- 09:00	Trends of aggregates supply and consumption in Europe What is the European experience solving the challenges in the aggregates supply chain? <i>Francesco Loro</i>
09:00 - 09:30	Research plans- utilization of marginal quality aggregates for concrete <i>Professor Arnon Bentur</i>
09:30- 10:00	European research achievements to increase resources efficiency in aggregates consumption <i>Marta Sanchez de Juan</i>
10:00- 10:30	---Coffee break---
10:30 – 11:00	Case studies of secondary aggregates: from waste to new products. Description of process, economy and regulations <i>Francesco Loro</i>
11:00 – 12:00	Roundtables discussions in different groups: <ul style="list-style-type: none"> 1. Marginal quality of natural aggregates 2. Quality of demolition and construction wastes 3. Utilization of secondary aggregates and alternative resources
12:00 - 13:00	Workgroups summary presentation and discussion on future development in the sector
13:00 - 14:00	---Lunch Break---
14:00 - 15:00	General discussion- identification of opportunities to increase resource efficiency in Israel
15:00 - 15:30	Specific standards shortfalls – questions and answers
15:30 - 16:00	---Coffee break---
16:00 - 16:30	General concluding session
16:30-17:00	Outlining of the Expert Mission Report

This meeting is being organised by the
***Technical Assistance Information Exchange Instrument
of the European Commission***

<http://ec.europa.eu/taiox>



TAIOX on Twitter: [#EUTaiox](https://twitter.com/EUTaiox)
NEAR-TAIOX@ec.europa.eu; Telephone: +32-2-296 73 07