Preliminary Webinar Program
Acceleration Sustainable Construction Materials Event IV

“Reducing CO2 by half, in concrete. On the **road**, with the latest **map.”**

Dec. 15, 16 ,17, Amsterdam 15h-16.30h

We are confident that we can reduce the > 7.1 billion ton of CO2 the concrete economy emits per year (study by Prof. Koji Sakai’s) by half, to the benefit of all smart stakeholders. We have now a ROADMAP, yet, that is not enough. We need qualified drivers, vehicles, tools and personal skills to remove roadblocks, fill in the holes, level the playing field, and share the energy to move forward. We call on you to participate and help shape the “MANUAL of sustainable materials for CO2 neutral constructions” that will become a joined possession after these webinars. Our preliminary program;

Tuesday 15-12-2020 **GREEN PROCUREMENT,** chair: Prof. Jacqueline Cramer.

1. The Dutch Concrete Green Deal “BetonAkkoord”, Prof. Jacqueline Cramer.
2. The GLO*BE* consensus (RILEM, IABSE, FIB, CIB), Prof. Michael Havbro Faber.
3. The power of sustainable public procurement; Jack Amesz, City of The Hague.
4. Recycling & RCC-approach, procurement for reduced CO2 concrete, Thomas Romm, Arch. Vienna.
5. A European “Bauhaus” e.g. identifying “Best Practices”.
6. Environmental shadow cost indicator tools for granting contracts. M. van Leeuwen, NIBE.
7. Reflection; From supplier dictated to a customer-oriented economy. Boudewijn Piscaer.
8. Dialogue, Q & A, to include the role of the European Commission.

Wednesday 16-12-2020 **TECHNOLOGY,** chair; Wolfram Schmidt, B.A.M. Berlin.

1. What does the structural/sustainability engineer need? Prof. Em. Cees Kleinman.
2. Priorities from 28 ways to reduce CO2.
3. Replacing steel. Claudio Subacchi, FSC-Tech.
4. Non-conventional binders. Prof. John Provis, Sheffield University.
5. Bio-“Beton”. Prof. Sofiane Amziane, Université Clermont Auvergne, Clermont-Ferrand.
6. First RCC-initiative in Austria to foster carbon neutral construction, Johannes Horvath, A1.
7. Reflection: Is there a lack of technology? So, what ARE the problems? Boudewijn Piscaer.
8. Dialogue, Q & A.

Thursday 17-12-2020 **PRACTICE,** chair**:** Johan Vyncke, RILEM.

1. The inconvenient true properties of Lab-Crete versus Real-Crete. Gerard Hol, Vitruvius.
2. Curing/ConCure technologies & habits. Julie Pierard, BBRI.
3. Multigrade, Multivariable, Cusum Control system (MMCQC). Barry Hudson, TKB International.
4. State of the Art Quality Assurance. Juan Manuel Pereira, Concrete Quality, Madrid.
5. VERIFICATION (& coaching): case of Geopolymer at a PRORAIL underpass.
6. Testing RCC under real life conditions onsite, Michael Härtel, Michek.
7. Results survey of most common errors (and solutions) with RMC based structures.
8. Reflections: From prescriptive Lab-Crete to Performance Real-Crete. Boudewijn Piscaer.
9. Dialogue, Q & A.
10. **Wrapping up 3 days**; Jacqueline Cramer, Wolfram Schmidt, Johan Vyncke, Boudewijn Piscaer,

The 3 days will be well prepared and the draft “MANUAL of sustainable materials for CO2 neutral construction” section “Reducing CO2 by half, in Concrete” will provide the framework, in 5 parts:

1. Introduction (context of the concrete economy),
2. Design; Structural & Sustainability Engineering
3. Materials
4. Quality Assurance
5. Knowledge transfer/Education.

The draft MANUAL will be sent to people who have registered, not later than 4-12-2020. Comments and questions in writing in your own language will be handled in the Q & A sections. They can hopefully become part of the final MANUAL.

Please confirm your participation to Martin Damman martin@sustcon.org of www.sustcon.org

Boudewijn Piscaer, Pantheon Performance Foundation, Amsterdam 18–11-2020