



**UPO** UNIVERSITÀ DEL PIEMONTE ORIENTALE  
DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

## EVENTI DiSIT

Seminario | Seminar

05-07-2023

11:00-12:00

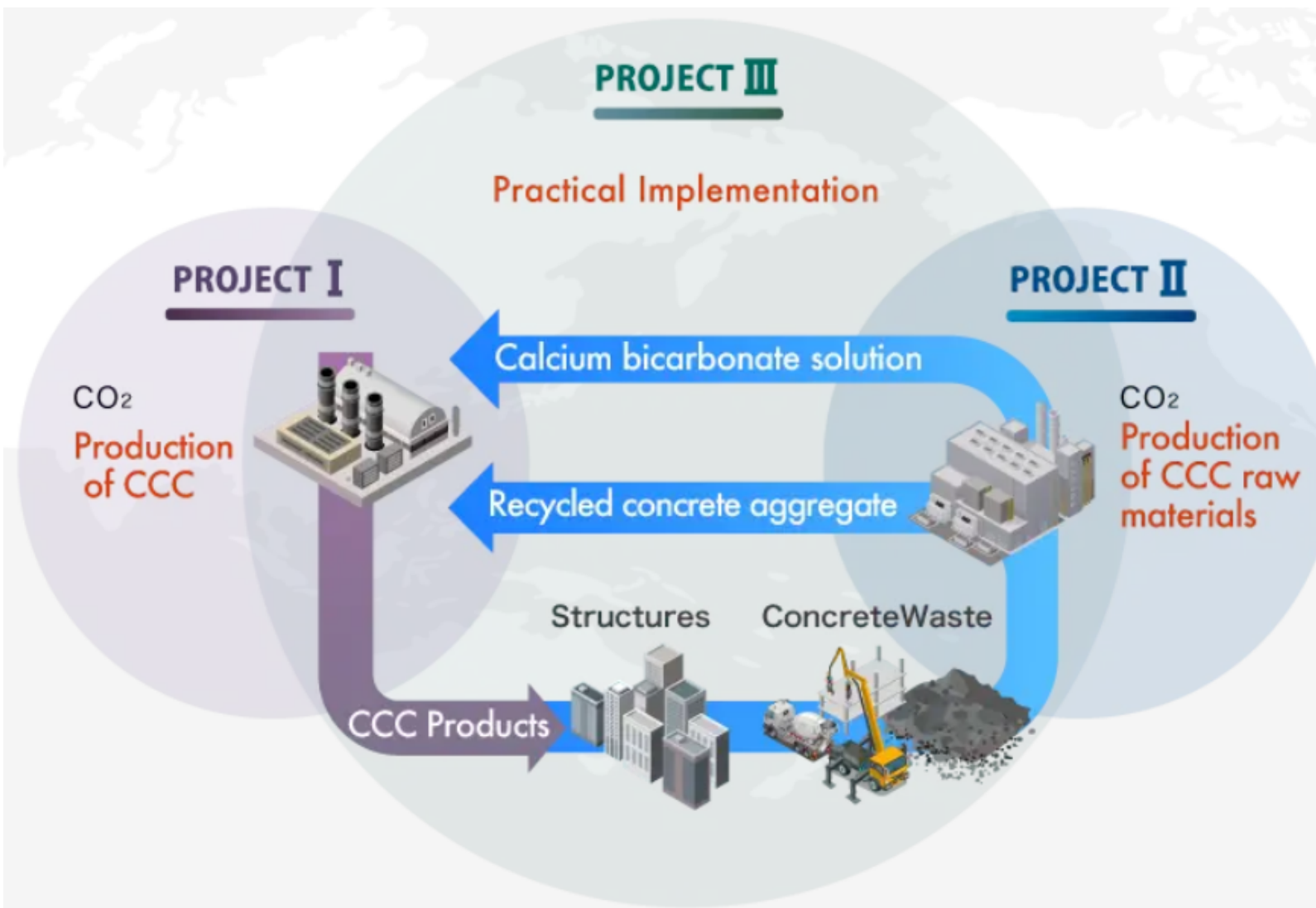
Aula 104

# Contribution of concrete to carbon neutrality

[Prof. Takafumi NOGUCHI \(https://moonshot-c4s.jp/en\)](https://moonshot-c4s.jp/en)

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Concrete is an indispensable construction material for social capital development, but around 8% of total CO<sub>2</sub> emitted annually worldwide comes from cement production. To establish a carbon neutral society by 2050, 55 billion tons of CO<sub>2</sub> in the atmosphere which have been emitted due to calcination of limestone during cement production and Ca which has been remained in the concrete should be combined again to form a carbon neutral circulation. Consequently, global warming will be greatly suppressed, and the global environment will be regenerated by concrete, "White Carbon".

EVENTO APERTO A:

Docenti | Teachers, Borsisti | Research Fellows, Assegnisti | Postdoctoral researcher, Dottorandi | PhD students, Studenti | Students, Esterni UNIUPO | external UNIUPO people

SEMINARIO IN LINGUA: English

