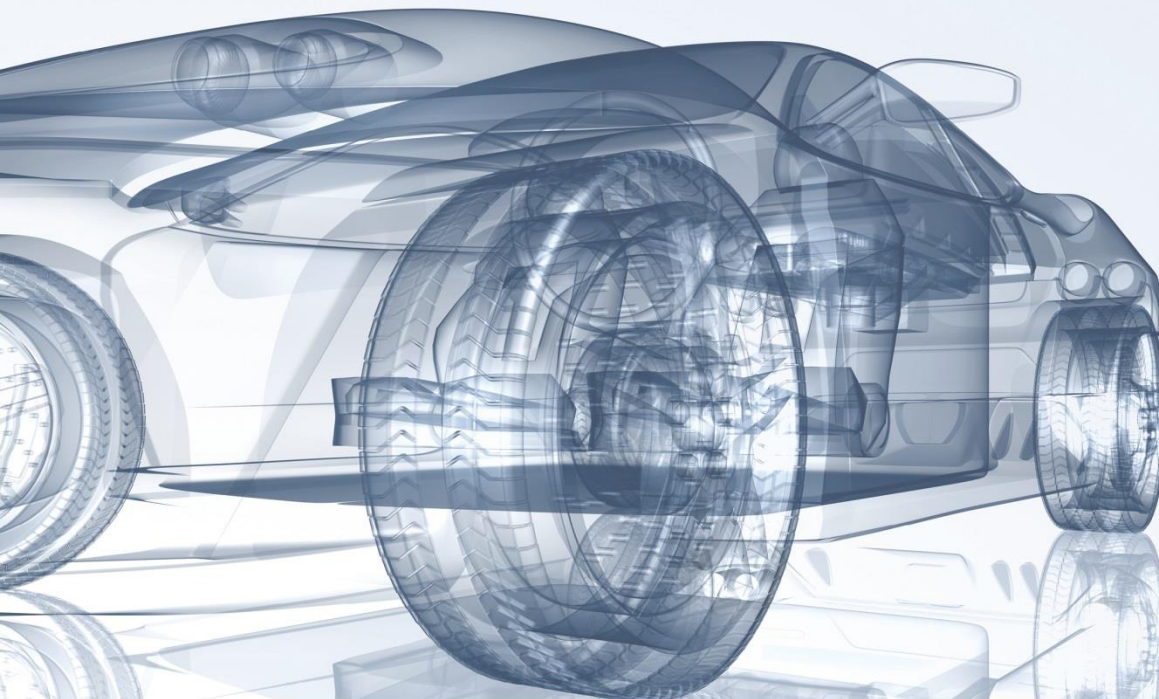


evs 30



The 30th International
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October 9–11, 2017
Messe Stuttgart, Germany

www.evs30.org

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Elaadnl



Arjan Wargers, ElaadNL



2009

In 2009
start Foundation
e-laad.nl

3.000 public
charging points
in 2013

Start
national
Living Lab Smart
Charging


In 2014
Foundation
e-laad becomes
ElaadNL and
EVnetNL

2021

Start
Knowledge and
Innovation
Centre
ElaadNL

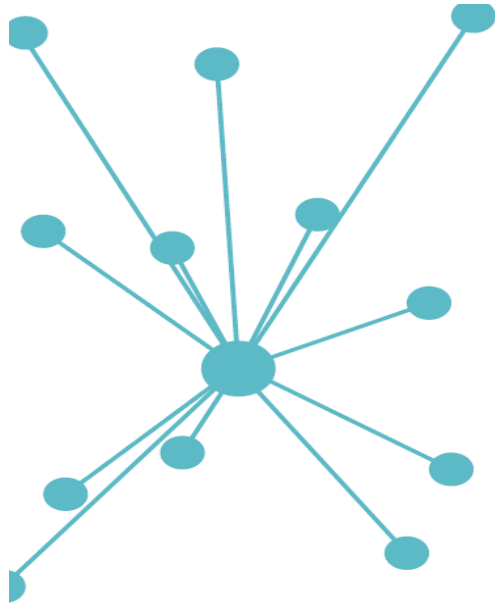
ELAADNL

researches and tests the
possibilities for Smart Charging

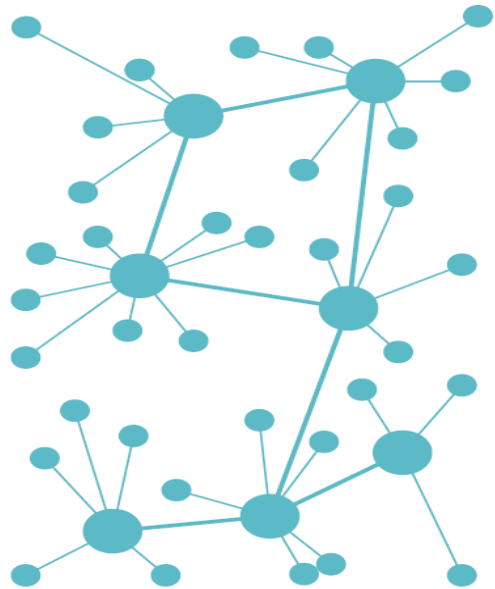


**Innovation
by open co-creation**

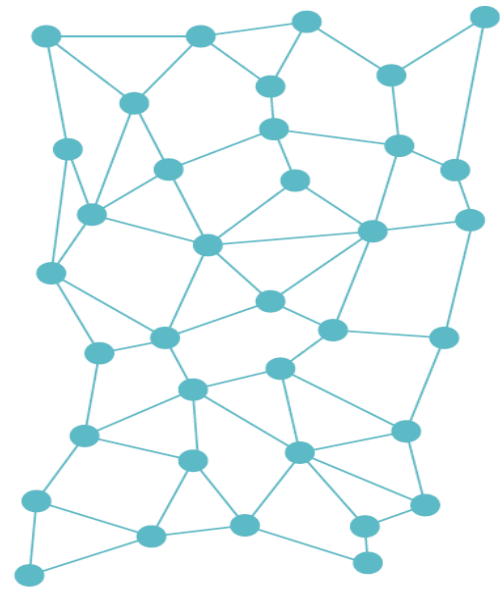
The energy landscape is in transition



Centralized

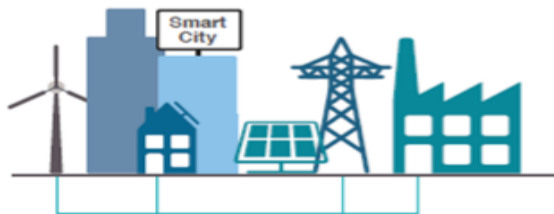


Decentralized



Distributed

Within the entire landscape EV is our focus



FlexPower capacity

DSOs, Greenflux



Customer centric *Jedlix*

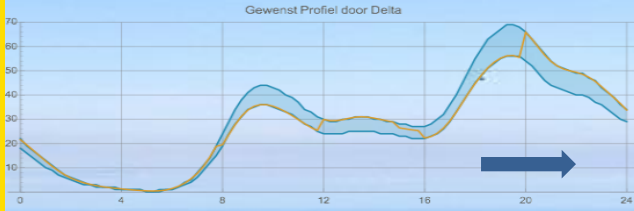


FCR Tennet

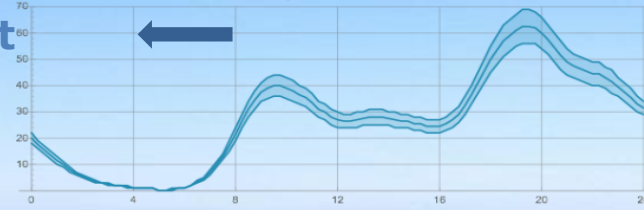
Senfal

Presenter:





Aggregated forecast



Aggregated flexibility request



Delta
FlexPower energy

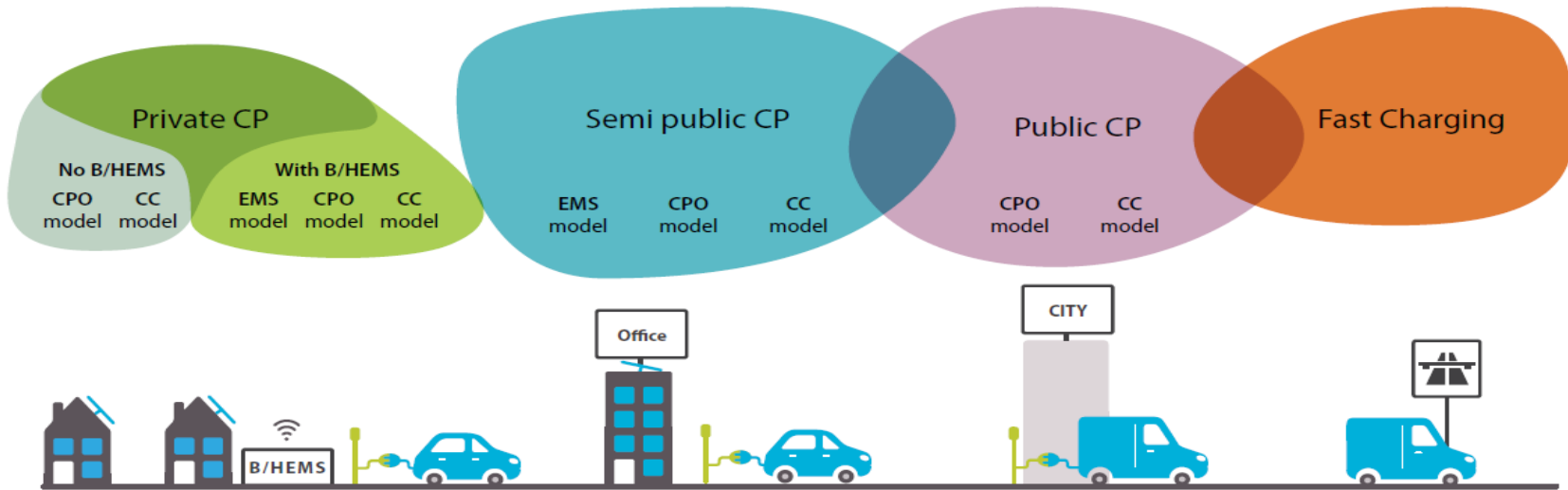
We find our top guidance in EU SET Plan

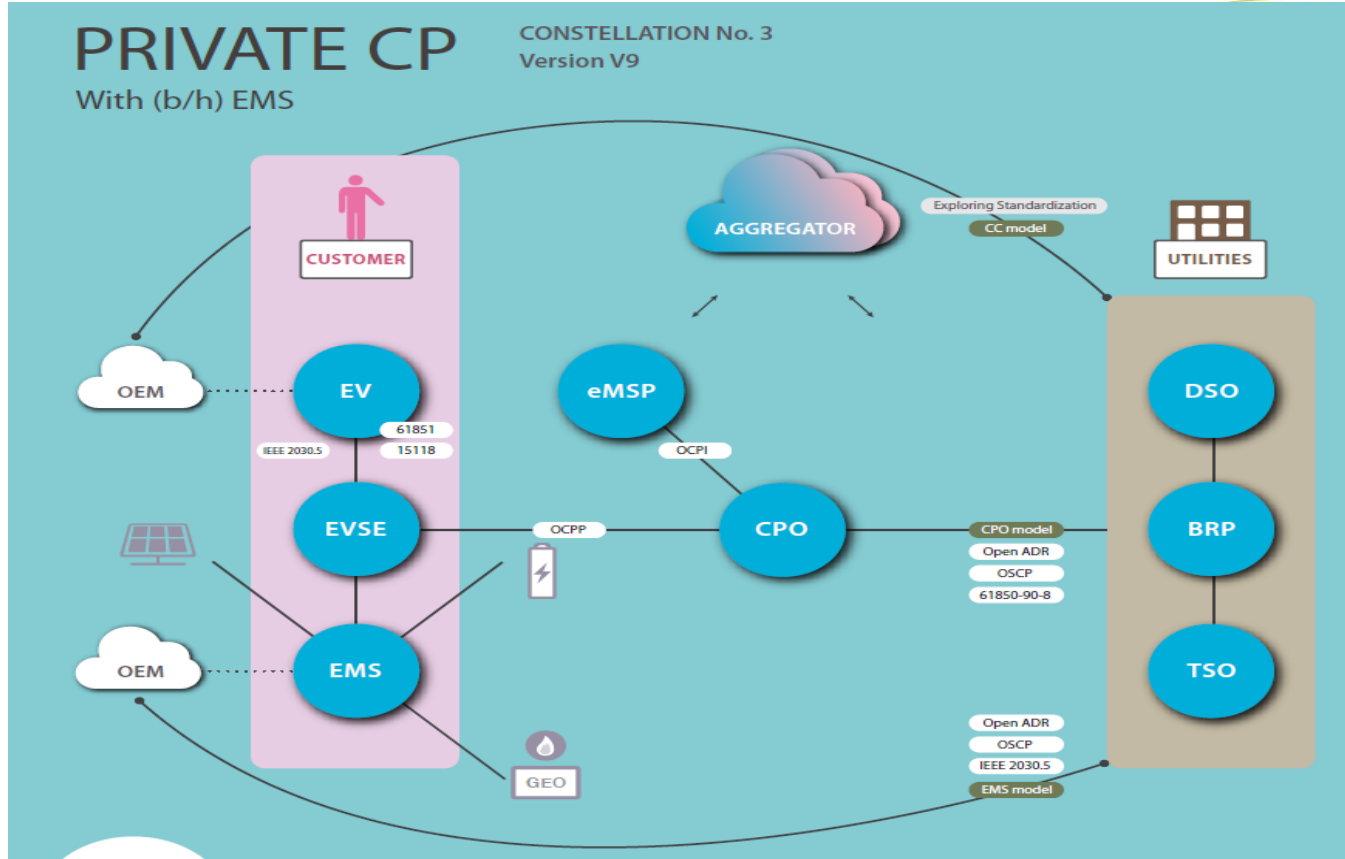


- Number 1 in renewable energy
- The future smart EU energy system, consumer at the centre
- Develop and strengthen energy-efficient systems
- Diversify and strengthen energy options for sustainable transport

Aspects in scope of our research

- Interfaces/protocols
- Flexibility mechanisms
- Market organisation of flexibility
- Grid impact
- Components
- PQ Challenges

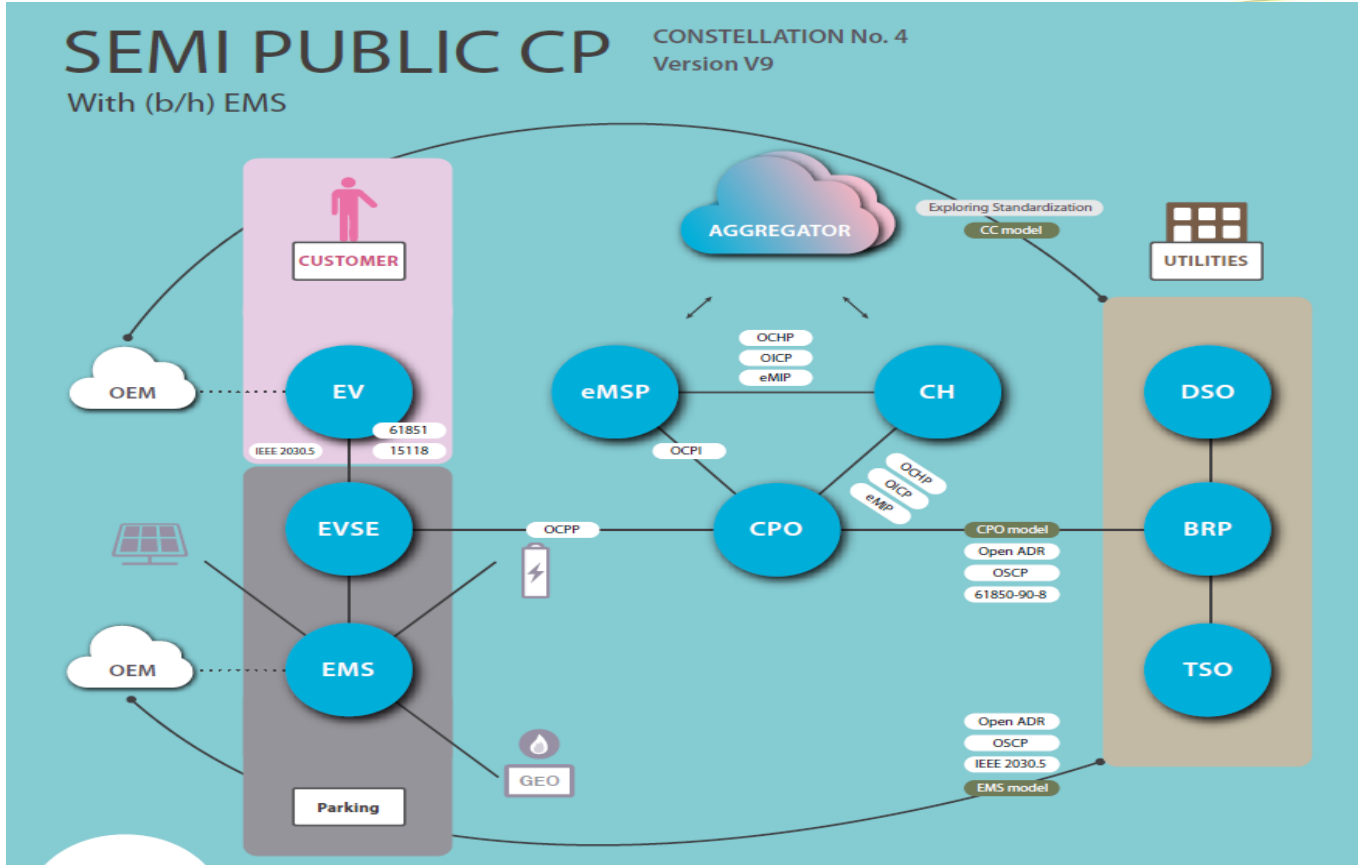




SEMI PUBLIC CP

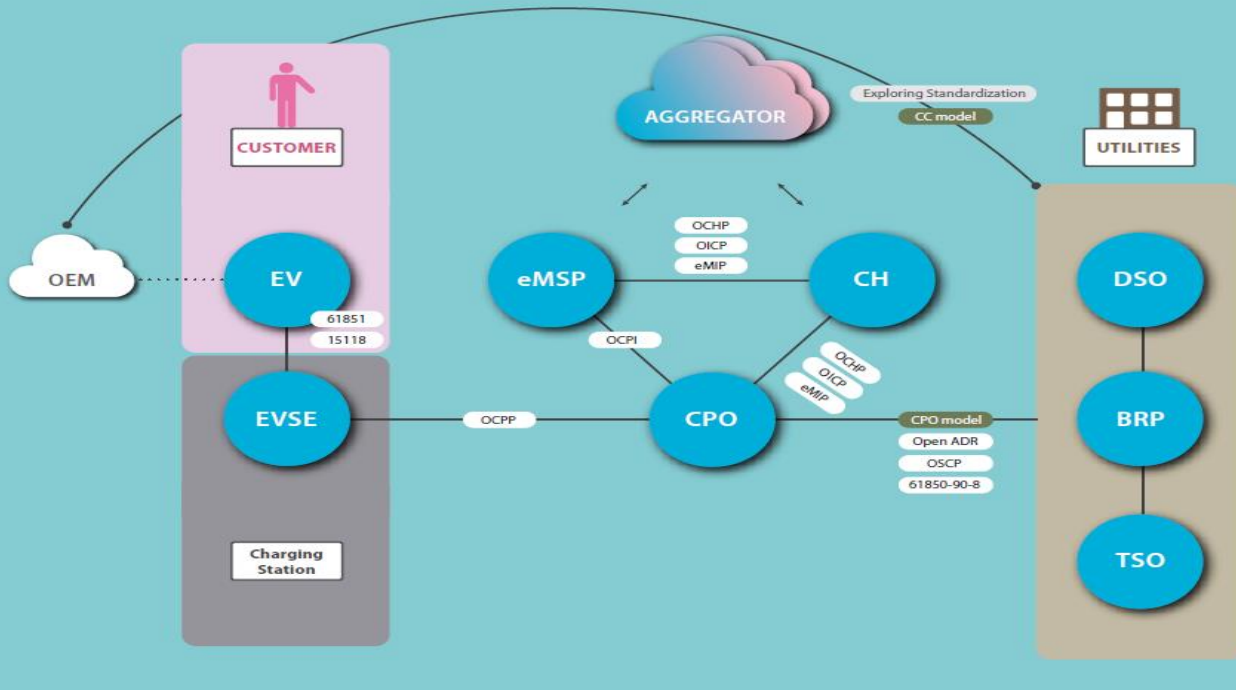
CONSTELLATION No. 4
Version V9

With (b/h) EMS

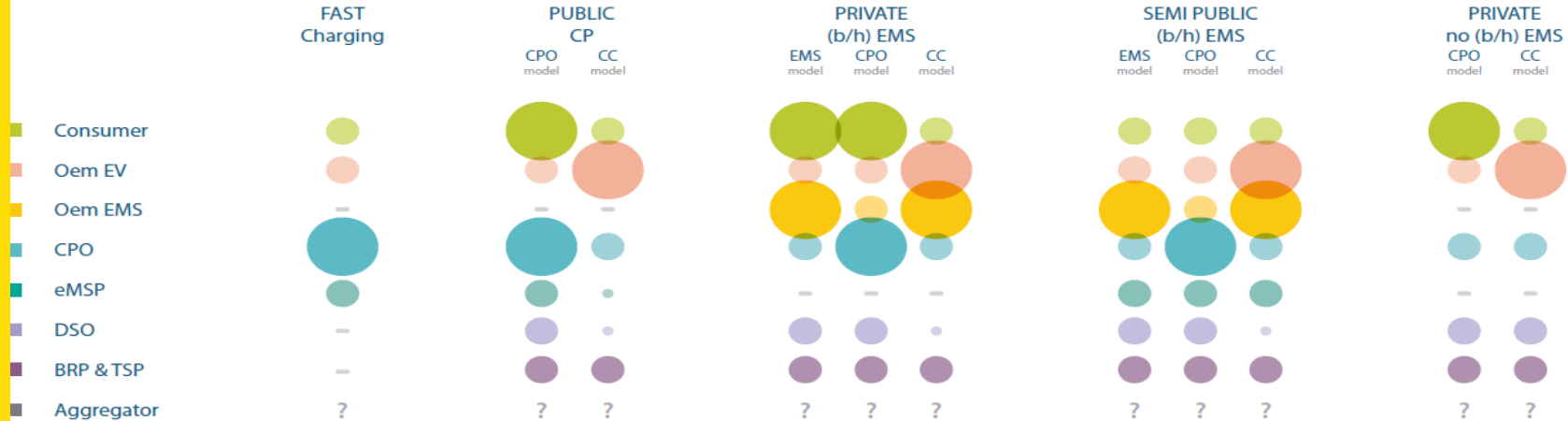


PUBLIC CP

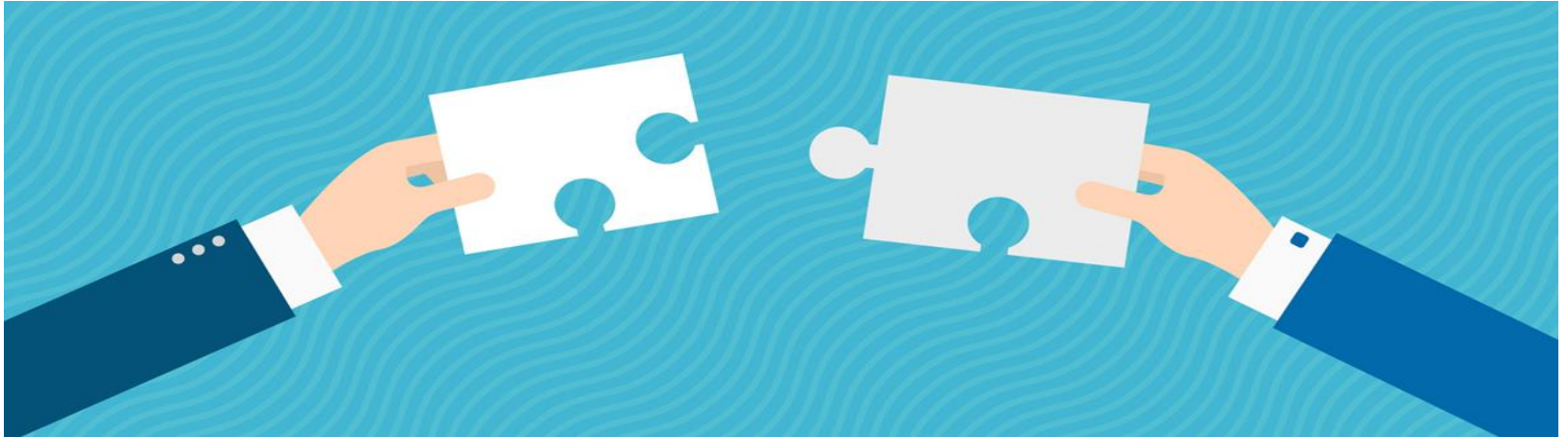
CONSTITUTION No. 2
Version V9



Overview of influence



Co-operation is key



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