Round Table:
Standardization to Support Innovation and Commercialization of HFC Infrastructure
Andrei V. Tchouvelev

"We can't solve problems by using the same kind of thinking we used when we created them." Albert Einstein
Extrapolating to ISO/TC 197

ISO/TC 197 today: historic opportunity for innovative change, discussed in Montreal in February 2013

Hall & Soskice, 2001

Dave Power, 2013

Buylendijk, 2012
Generic RCS Pyramid

Legislative acts

Documents for built environment and safety enforced by local AHJs

“Component” standards and generic “protocols” independent on local AHJs

“Component” is a cumulative generic term for individual components (like valves, hoses, etc.), more complex components (like a dispenser) and component systems (like an electrolyser, reformer, storage unit, PSA etc.)

“Protocol” is a cumulative generic term for protocols and procedures

Approach to BE&S:
- Map knowledge and best practices
- Identify knowledge gaps
- Trigger PNR
- Build international collaboration
- Time: 12 – 24 mo

ISO/TC 197 focus

Approach to Comp:
- Well developed seed documents
- Industry validation and strong need
- Time: 12 – 36 mo

Built Environment and Safety:
- WG16
- WG19 (new)
- WG27 (new)

Components and Vehicular Applications:
- WG 18 (new)
- WGs 20-23 (new)

Production, Storage and Handling:
- WG15
- WG17
- WG25 (new)

Stationary and Fuel Cell Applications:
- WG14
- WG26 (new)