



3rd SIIV International Winter School 2022

Pavement **A**ssessment and management towards **S**mart and **S**afer mobility



Round Table: Sustainable or Smart (SOS) pavements?

Most reasons of the SIIV International Winter School 2022

Prof. Francesco Canestrari – Università Politecnica delle Marche



- Most old and new friends ...
- Most Participants ...
- Most Inspiration from ...
- Most Civil Engineers ...





- Most of old and new friends ...
- Most of the Participants ...
- Most of the Inspiration from ...
- Most Civil Engineers ...





■ Universities

NC STATE UNIVERSITY

**Université
Gustave Eiffel**

**The University of
Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA

**GDAŃSK UNIVERSITY
OF TECHNOLOGY**

**ROMA
TRE**
UNIVERSITÀ DEGLI STUDI

**UNIVERSITÀ
POLITECNICA
DELLE MARCHE**

**UNIVERSITÀ DEGLI STUDI DI NAPOLI
FEDERICO II**

■ Road Agencies

autostrade // *per l'italia*

anas **MOVYON**
GRUPPO FS ITALIANE

m DEPARTMENT OF
TRANSPORTATION

Vejdirektoratet



3rd SIIV International Winter School, 2022 – **P**avement **A**ssessment and management towards **S**mart and **S**afer mobility
Round Table “SOS Sustainable or Smart Pavements?”
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■ PhD students & Colleagues

■ Master students



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UNIVERSITÀ DI ROMA



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



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Politecnico
di Torino



GDAŃSK UNIVERSITY
OF TECHNOLOGY



UNIVERSITÀ
DI PARMA



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



UNIVERSITÀ
DEGLI STUDI
DELLA REPUBBLICA
DI SAN MARINO



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■ ... MOST

Mobilità (mobility)

SoSTenibile (sustainable)



CENTRO NAZIONALE PER LA MOBILITÀ SOSTENIBILE



■ ... MOST Global Challenges

MOST OF DECARB

powering energy transition for a sustainable development

MOST OF LIVEABILITY

living smart through smart mobility, smart cities, smart air

MOST OF ACCESSIBILITY

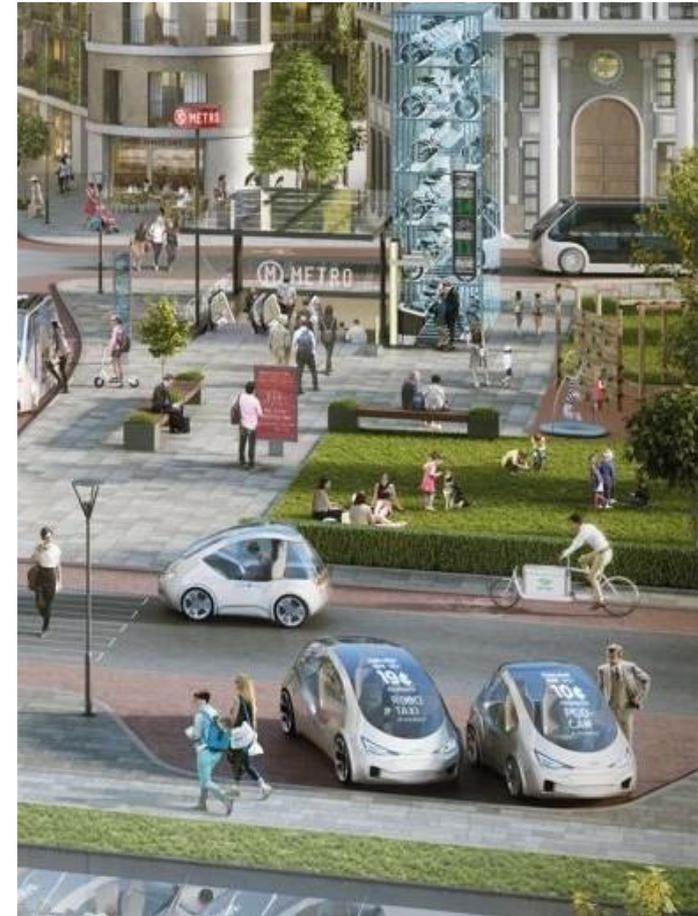
streamlining production, sharing economy, equal distribution

MOST OF SAFETY

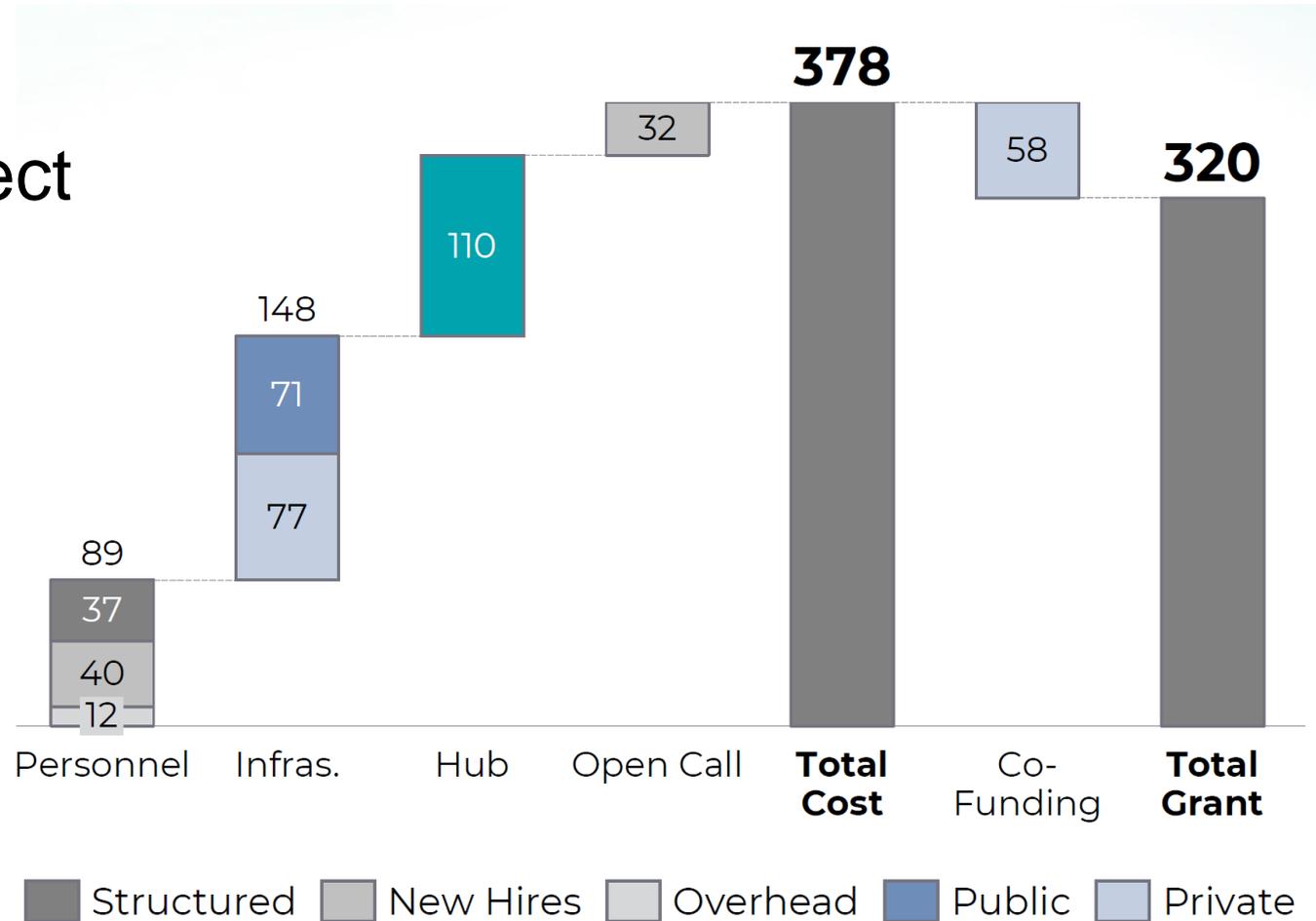
building reliable technology and resilient ecosystems

MOST OF EMPLOYABILITY

unlocking new businesses and shaping the future of HR



■ ... MOST
3-years Project

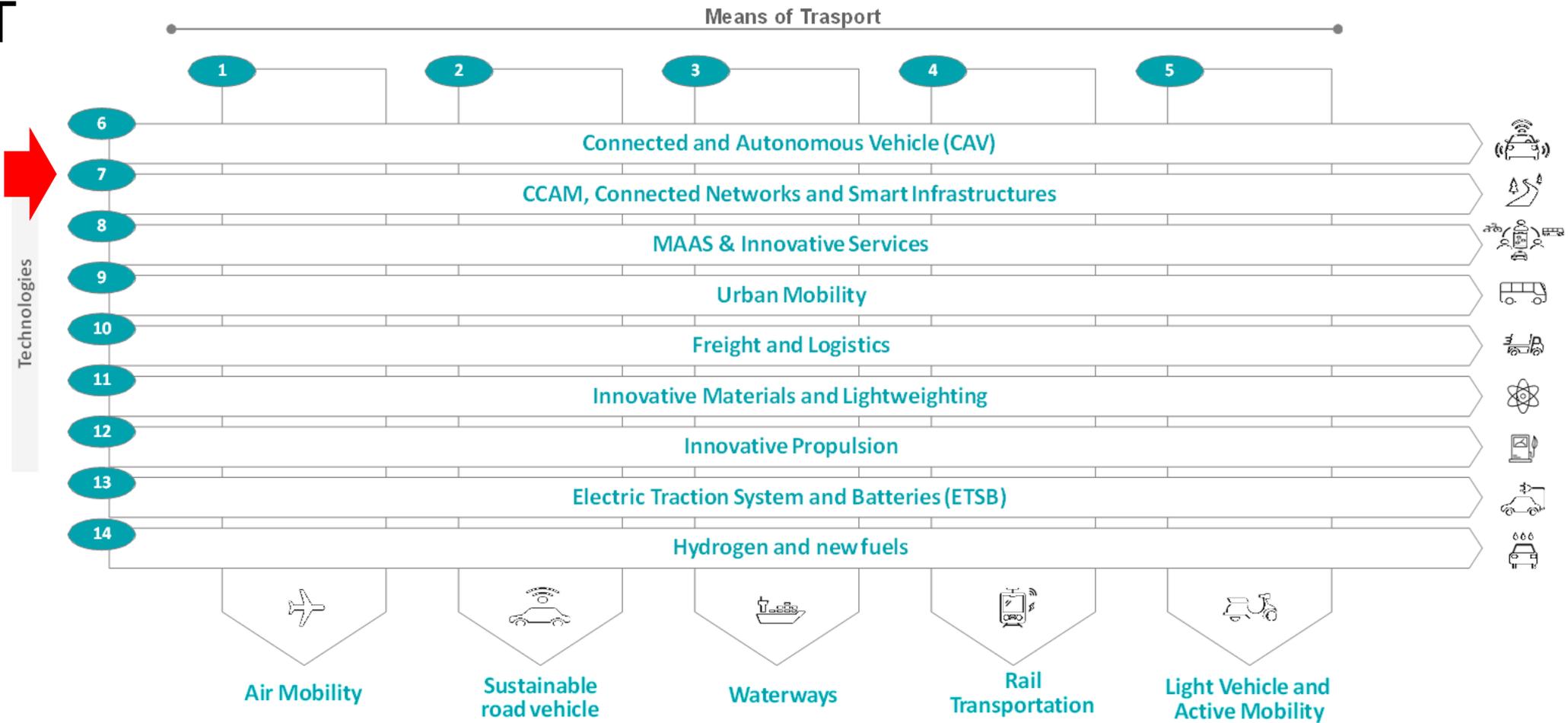


... MOST Members

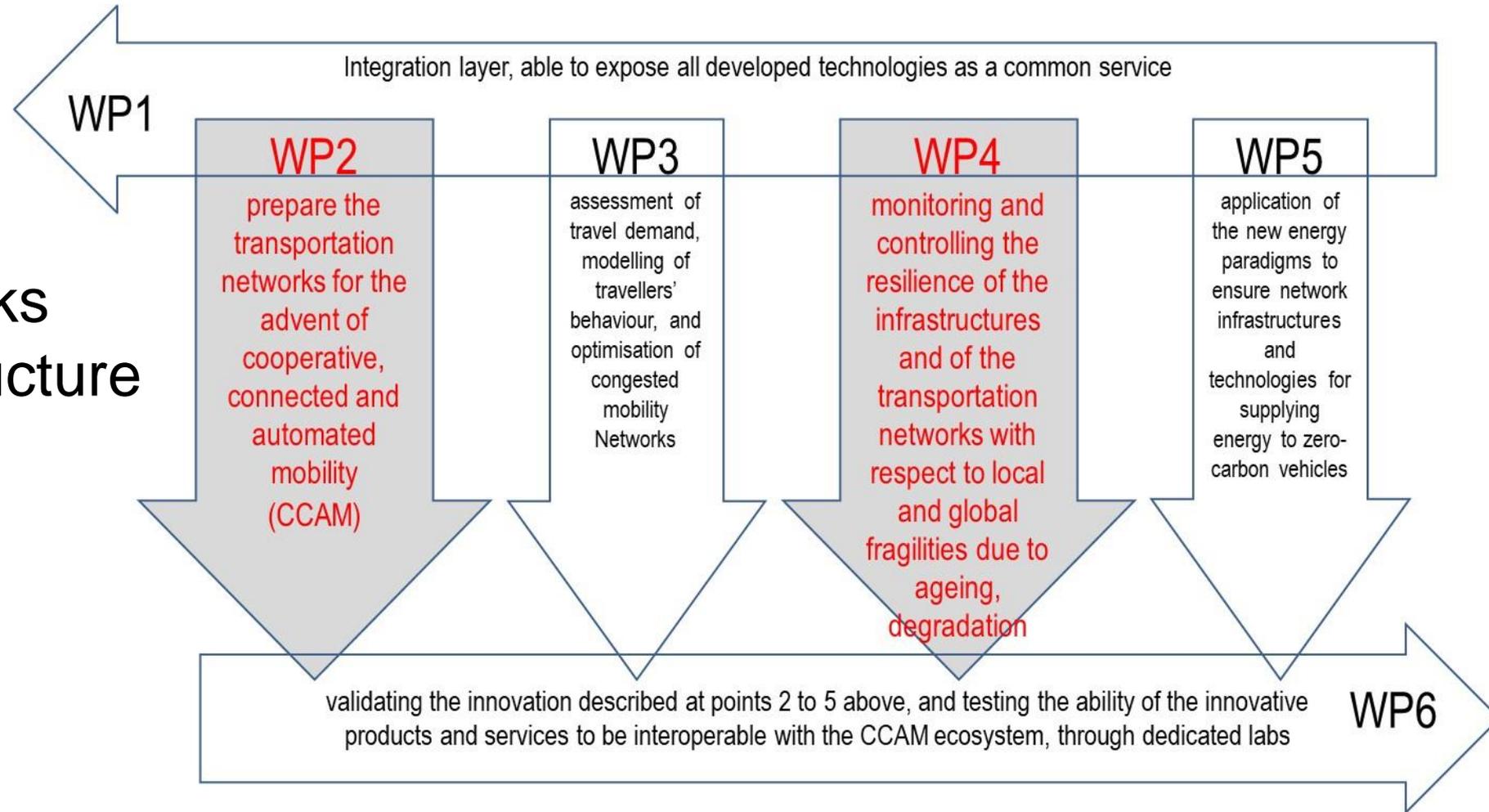
Companies		
<i>Founders & Promoters</i>	<i>Participants</i>	<i>Supporters</i>
16	8	1



■ ... MOST
14 spokes



- ... MOST Spoke 7: CCAM, Connected Networks and Smart Infrastructure





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- ... tends to be conservative. Why?

Stonehenge (3000 BC)



The Great Pyramid of Giza (2500 BC)



The Great Wall (7th century BC)



Parthenon (447 BC)



Appian Way (312 BC)

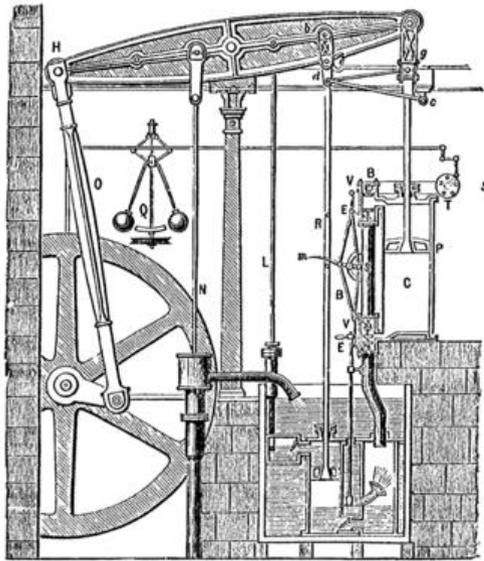


Roman Aqueduct (100 AD)

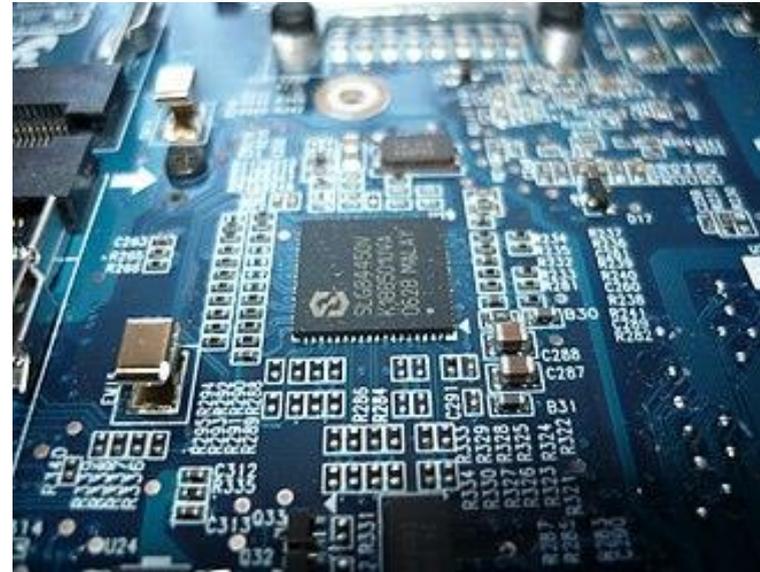


- ... tends to be conservative. Why?

Industrial Revolution (18th century)



Electronics Engineering (20th century)



- Some open thoughts of the Round Table

Opening the Pavement Engineering to new frontiers

Involvement of experts in other fields

Direct interaction with Road Agencies

The goal is not to give answers but to stimulate questions