

How can quality of life be affected by vehicle automation?

EUCAD, Breakout 3 “After the Corona pandemic: new perspectives for CCAM and Quality of Life?”
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Group model building workshop with cities

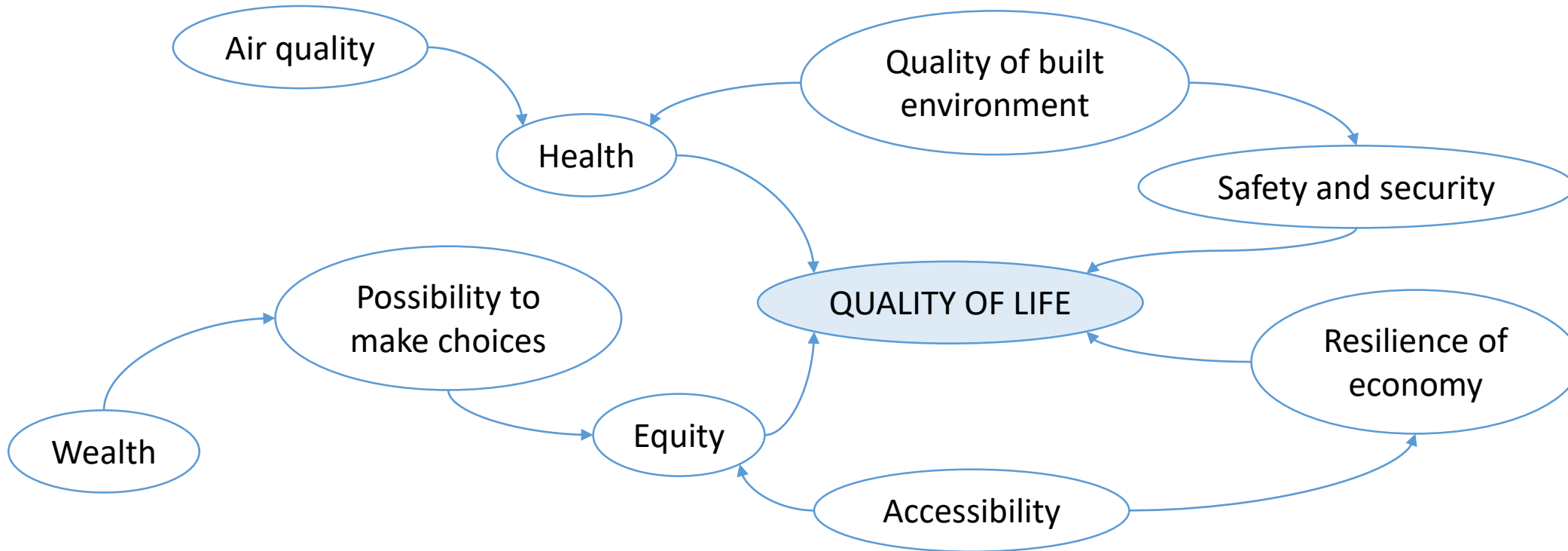
- Online group model building workshop with American and European cities on “Livability of Cities: A System Dynamics Perspective”, in February 2021
- Organized by Impact assessment subgroup of Trilateral (EU, U.S., Japan) Automation in Road Transportation Working Group (ART WG)



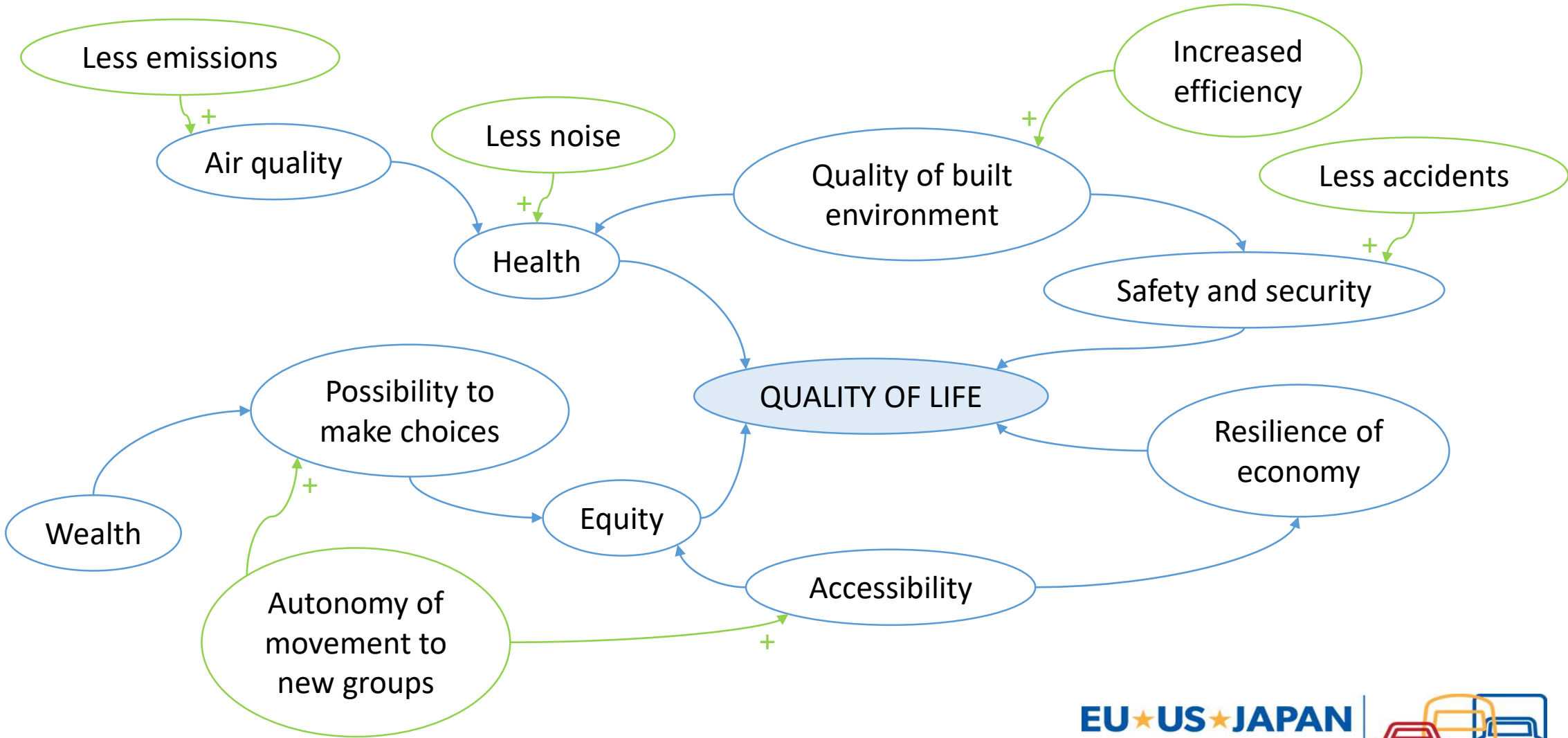
+ 7 organizers



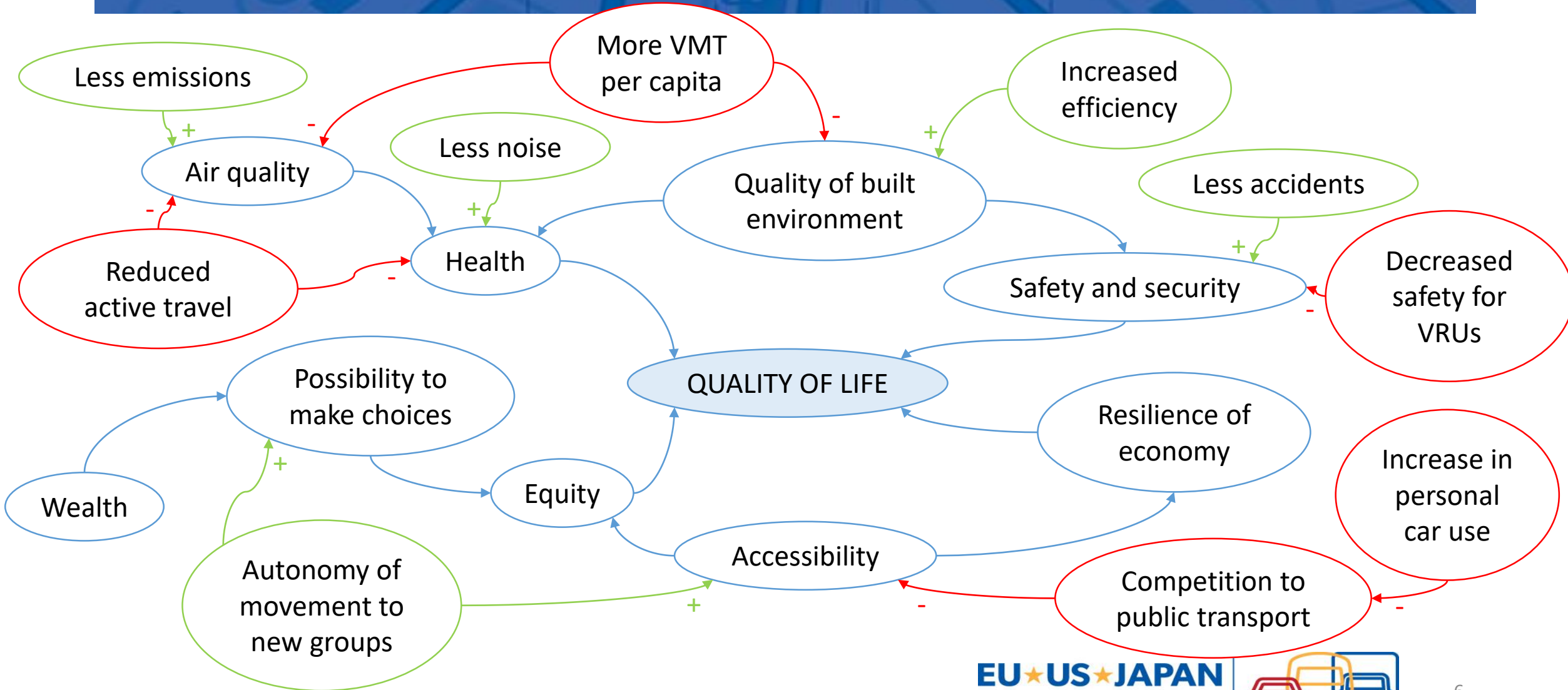
Quality of life in cities



Implication of vehicle automation: Hopes



Implication of vehicle automation: Hopes and fears



Conclusions

- Quality of life in cities builds on many aspects
 - Basic necessities + provision of choices on top of them
 - Quality of life goals are similar to sustainability goals
 - Two types of constraints:
 - Physical constraints, such as limited space and land
 - Policy constraints, such as funding for different modes
- Quality of life may benefit from vehicle automation - or not
 - Hopes: Improved accessibility, safety, efficiency and environmental impact
 - Fears: More motorized vehicle mileage (pricing as means to control it?); less active travel and use of public transport; decreased safety for non-car users; decrease in equity