

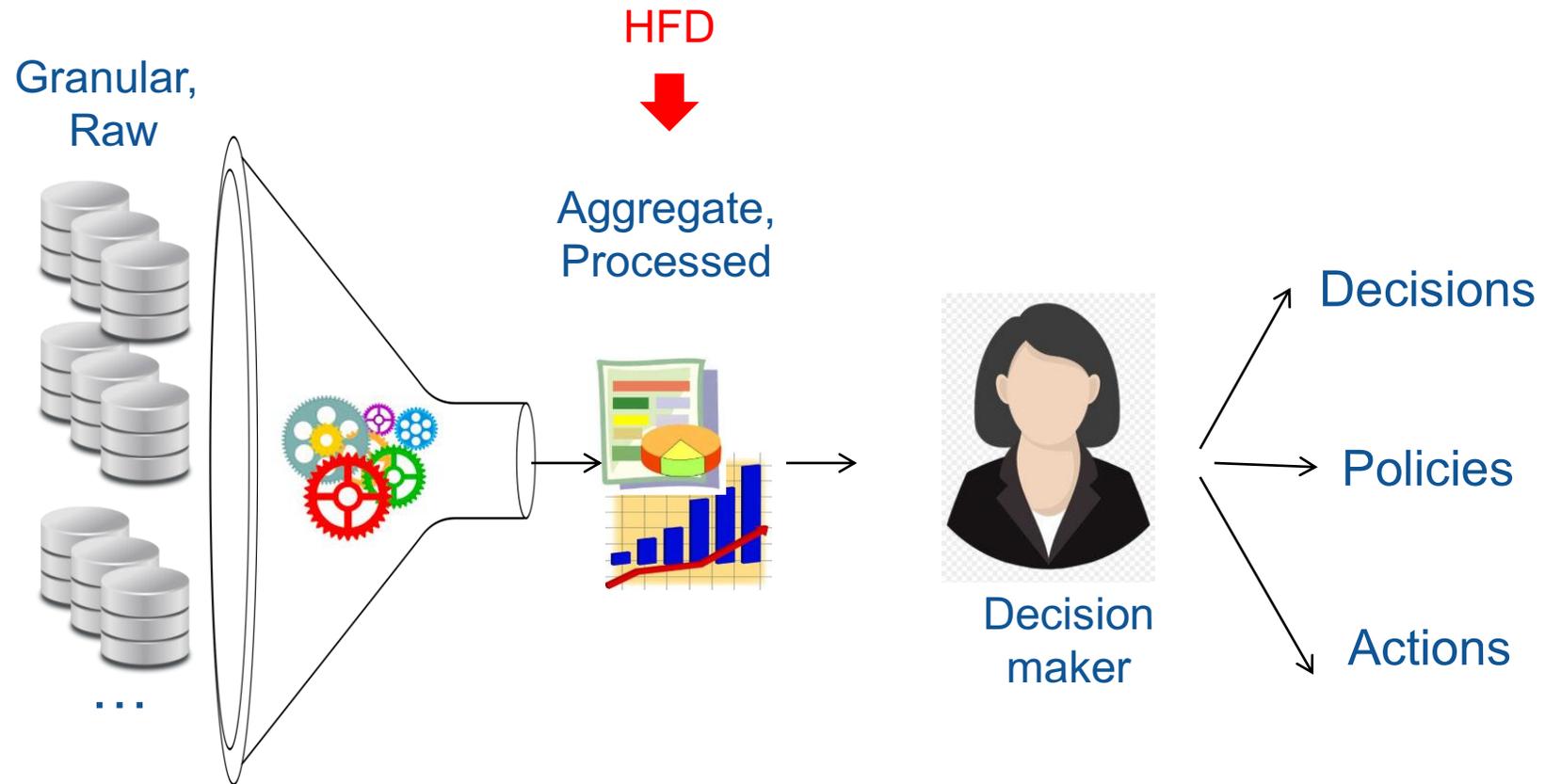


# ECB Workshop on High Frequency Data 15-16 October 2020

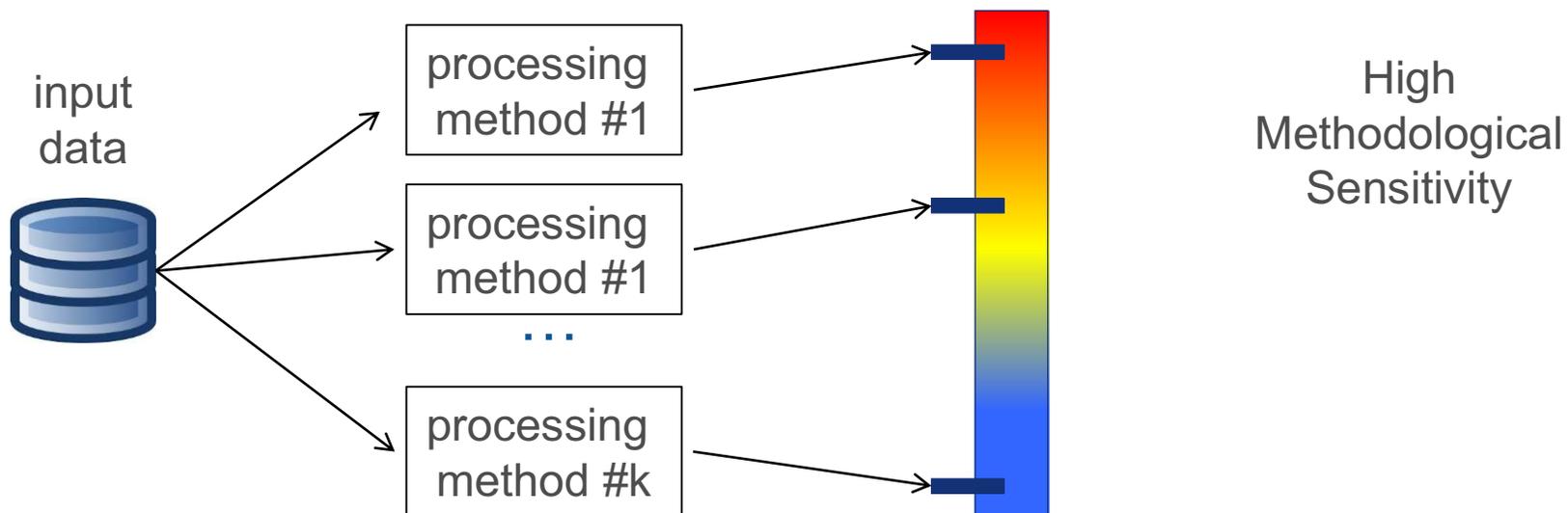
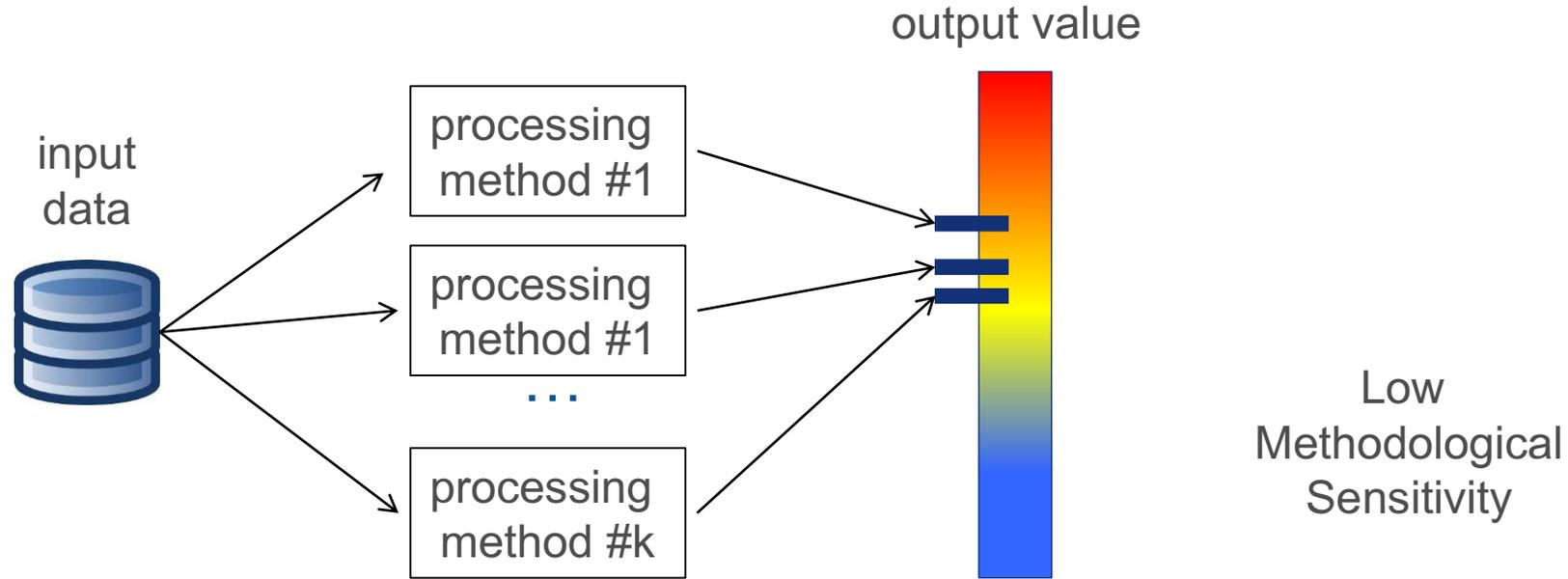
Martina Hahn, Eurostat, Head of Unit B1  
'Methodology; Innovation in Official Statistics'



# The data-driven decision process

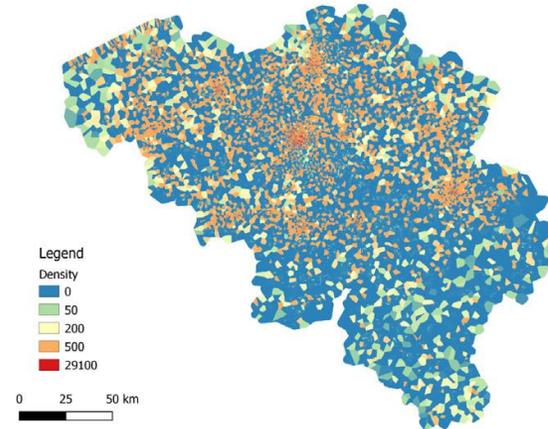


# Methodological sensitivity: the importance of “trusting the methodology”

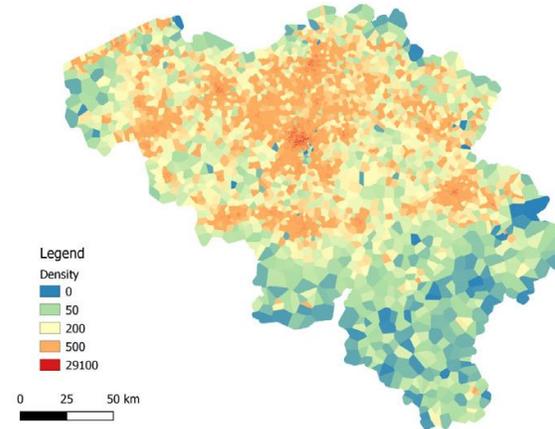


# Example: estimation of spatial density based on mobile network operator data (Belgium)

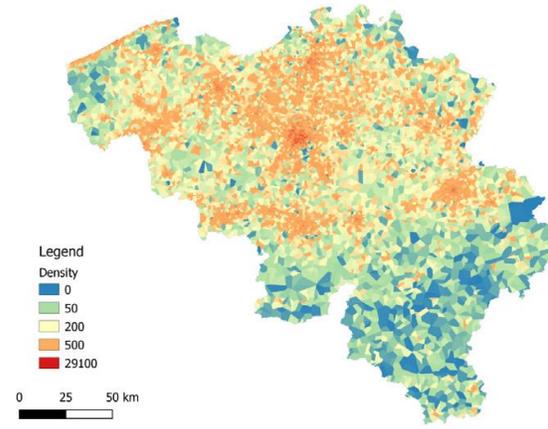
Same input (raw) data processed with 4 different geolocation methods produce different results.



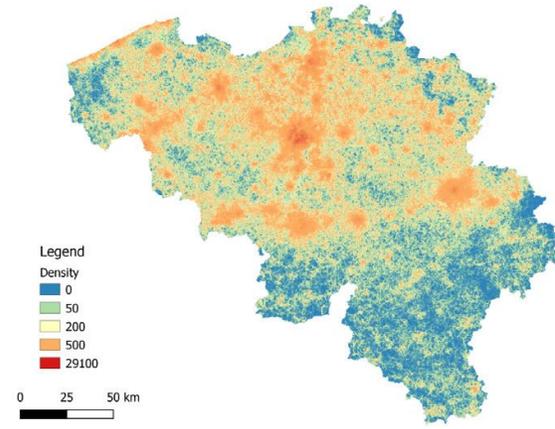
(a) NV



(b) BV



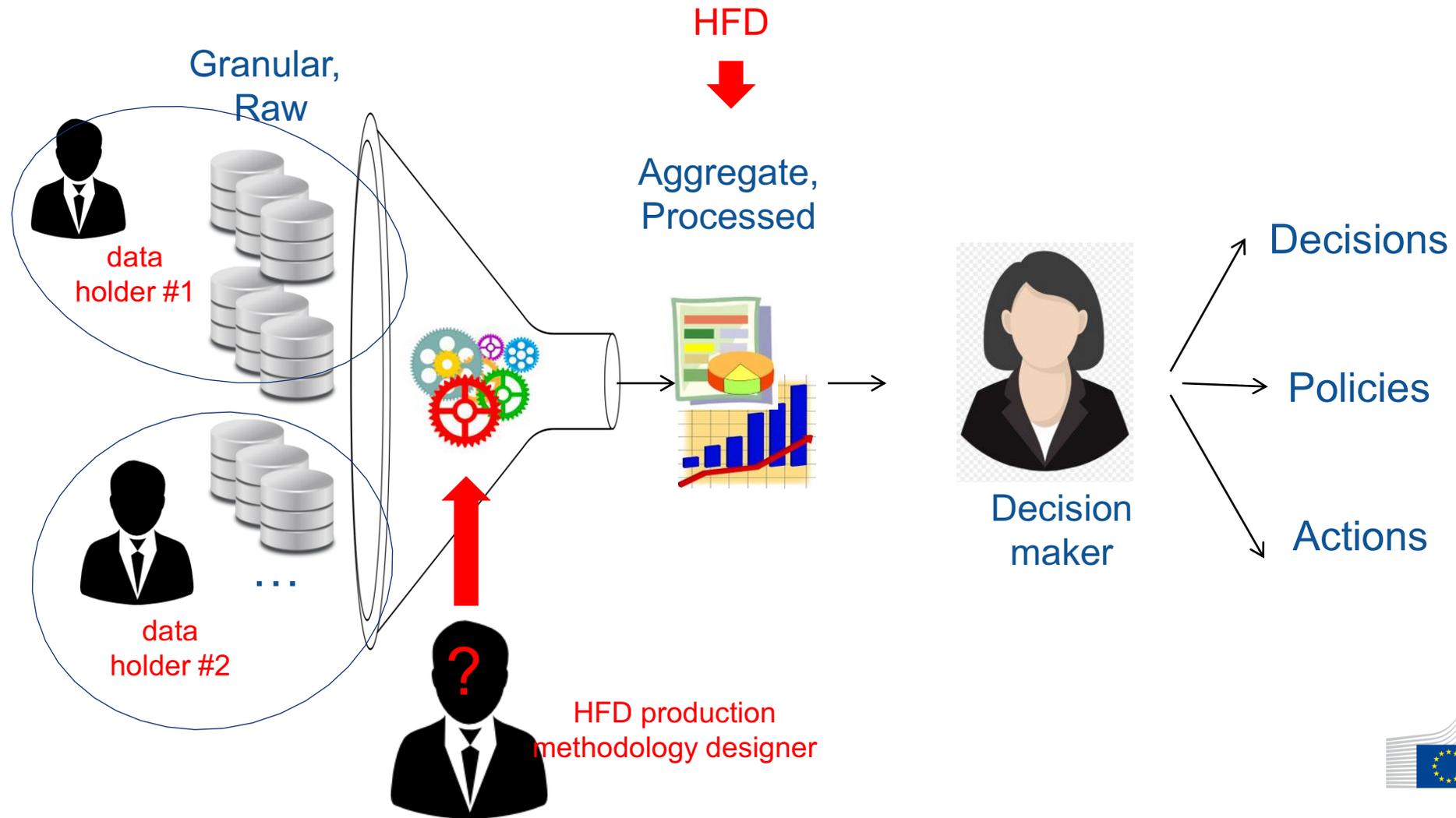
(c) PV



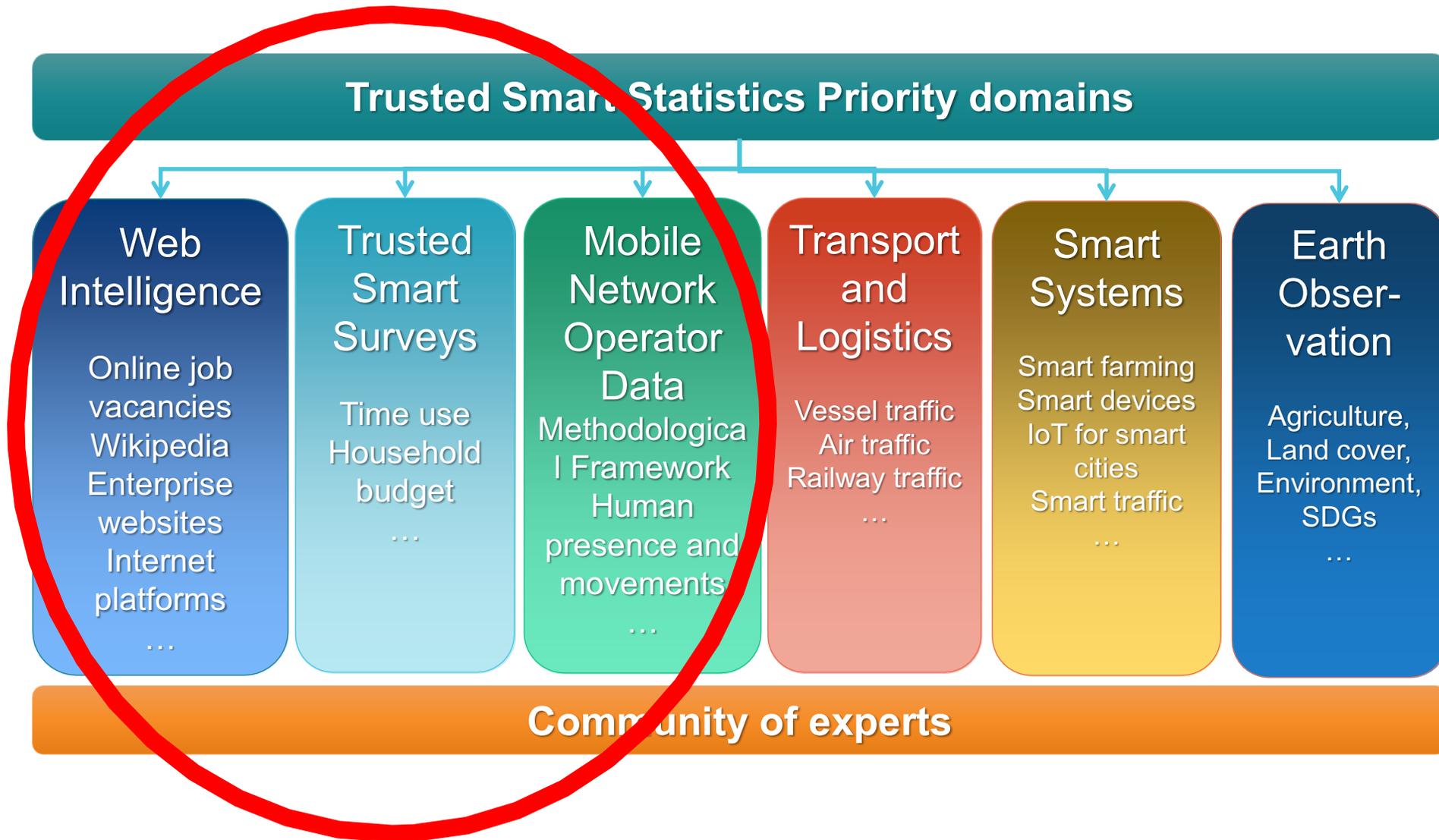
(d) OL

Source: "Towards a methodological framework for estimating present population density from mobile network operator data <https://doi.org/10.1016/j.pmcj.2020.101263>

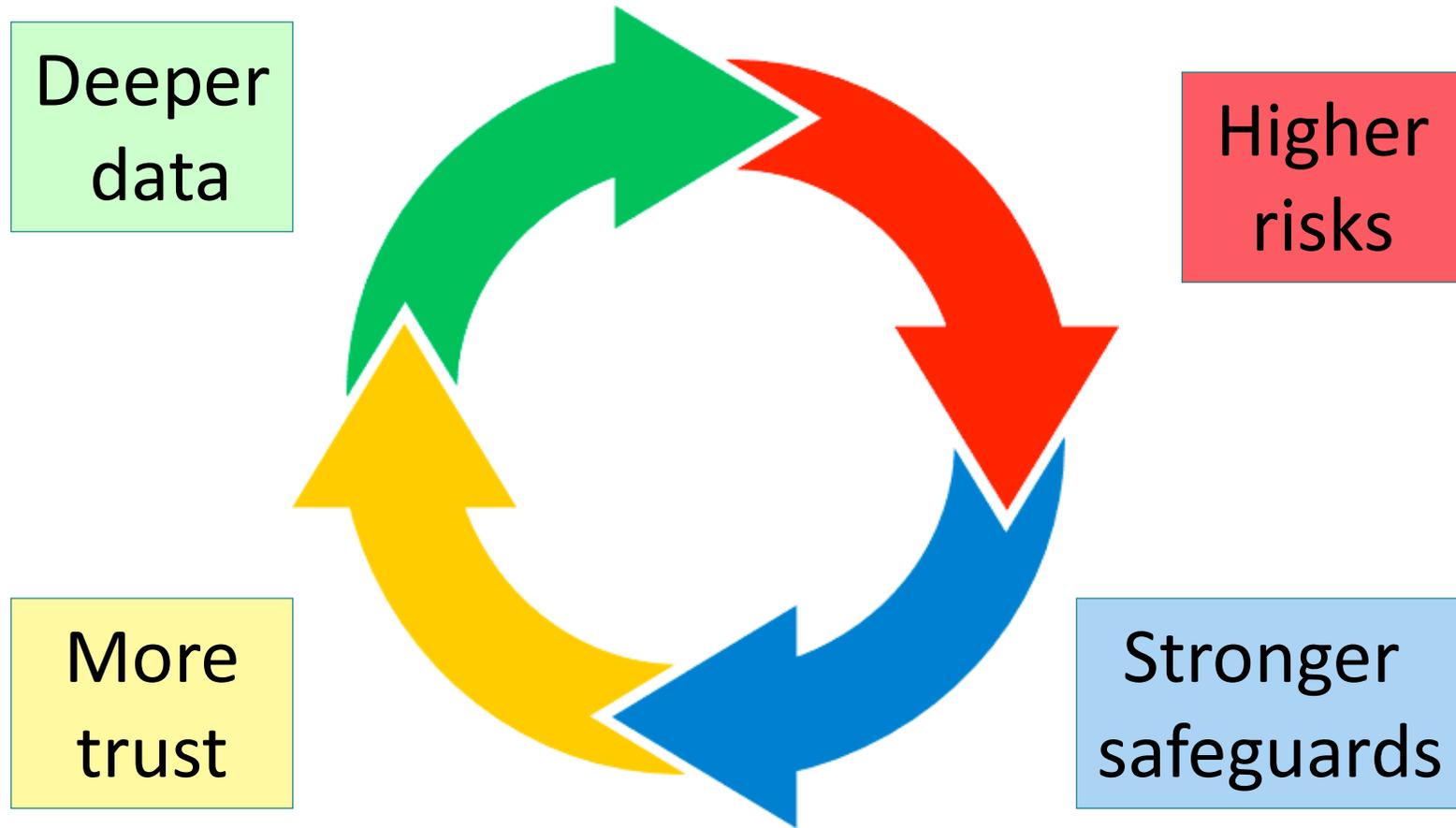
# The data-driven decision process



# Eurostat/ESS: Trusted Smart Statistics



# The smart and trust cycle



# Thank you

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