Citizen-focused data

Citizen engagement

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RUGGEDISED
Designing smart, resilient cities for all

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Do we have a goal?

Are there data connected with it?

Can we measure the progress?

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Do we have a goal?

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Can we measure the progress?

→ Visualize that progress!

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Goal to lower the amount of waste

How can we get citizen engagement?

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Goal to lower the amount of waste

How can we get citizen engagement?

Year	Type of waste	kg/person
2019	Collected food and residual waste, kg / person	178
2019	Collected hazardous waste (incl. Electrical waste and batterie:	20
2019	Collected packaging and recycled paper, kg / person	88
2019	Collected bulky waste, kg / person	152
2018	Collected food and residual waste, kg / person	183
2018	Collected packaging and recycled paper, kg / person	93
2018	Collected bulky waste, kg / person	153
2018	Collected hazardous waste (incl. Electrical waste and batterie:	22
2017	Collected hazardous waste (incl. Electrical waste and batterie:	21
2017	Collected food and residual waste, kg / person	187
2017	Collected bulky waste, kg / person	158
2017	Collected packaging and recycled paper, kg / person	90
2016	Collected hazardous waste (incl. Electrical waste and batterie:	23
2016	Collected packaging and recycled paper, kg / person	96

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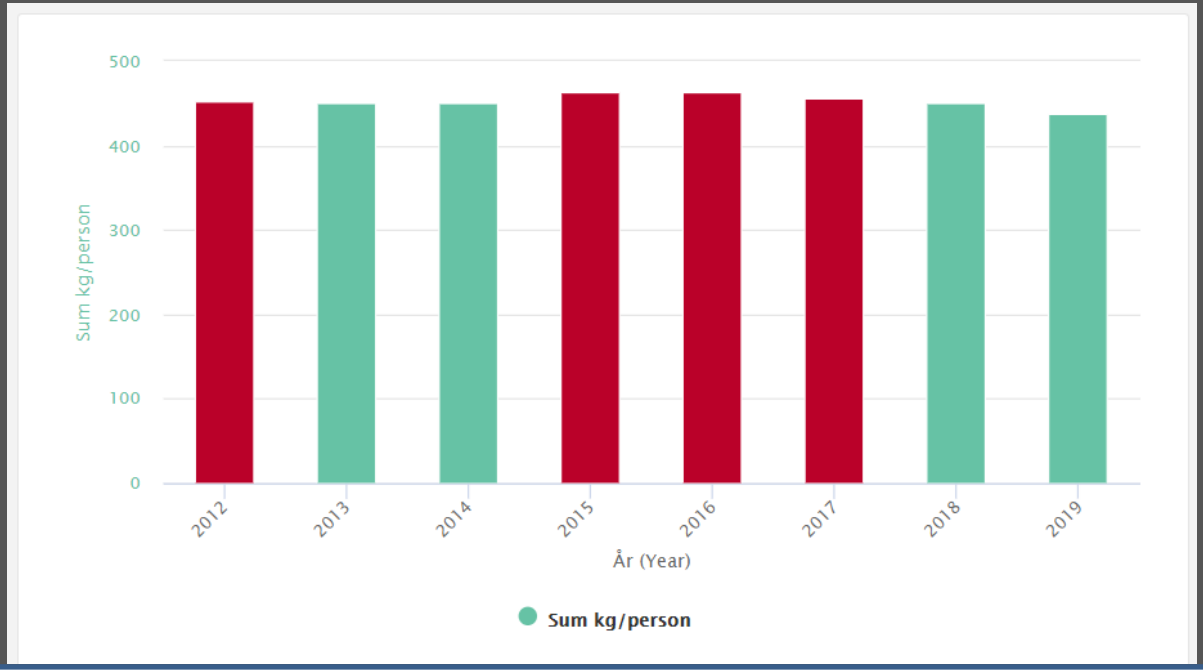
Goal to lower the amount of waste



451 kg waste

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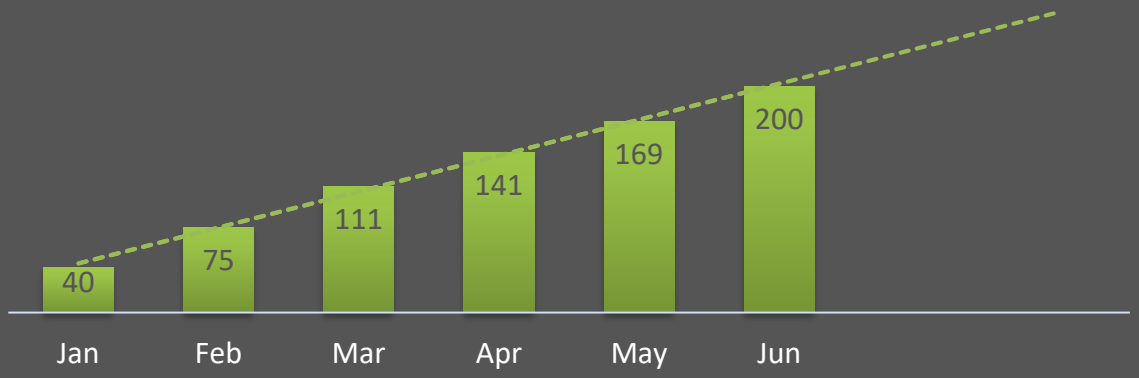
Goal to lower the amount of waste

451 kg waste



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Use data to engage citizens

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Use data to engage citizens

Citizens Resisting

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Use data to engage citizens

~~Citizens Resisting~~

Citizens Assisting

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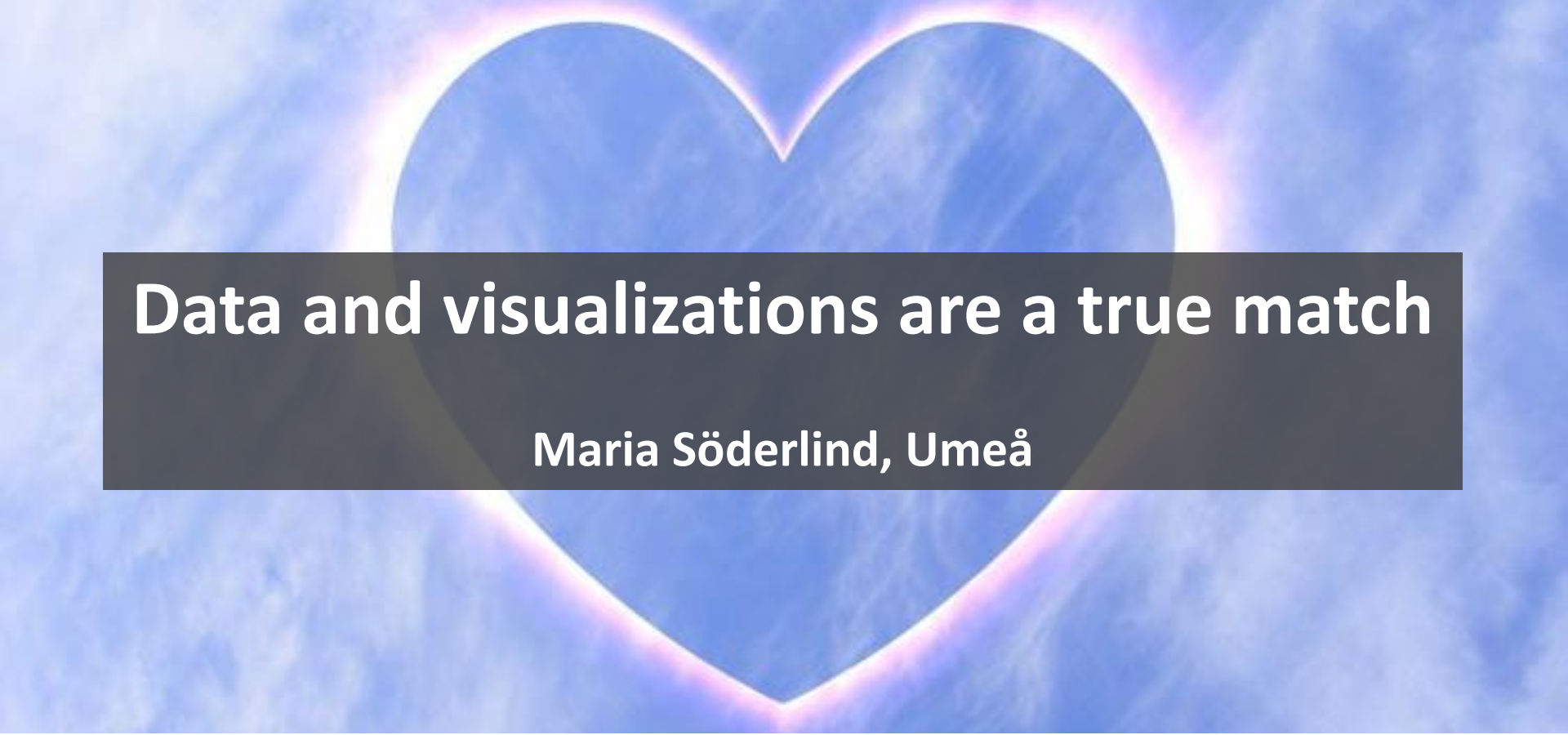

Data and visualizations are a true match

Maria Söderlind, Umeå

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