

Nicola Wullschleger, Project Manager Smart City & Open Data St.Gallen, March 22nd 2023





We form the **CDO office** of the city of St.Gallen



Christian Geiger

- Chief Digital Officer (CDO)
- Politics and Administrative Science
- Open Data and Smart City activities
- Discord:



Nicola Wullschleger

- Project Manager Smart City and Open Data at City of St.Gallen
- Discord: OpenDataStGallen_Nicola



Laure Brem

- Intern Smart Government
- Discord:



Case content expert at the waste disposal department (ESG)



Marc Maurhofer

- Responsible for waste logistics and waste consulting
- Responsible for the case content and its implementation



Availability and **contact information** during START Hack 2023



Availability

- Wednesday (9.30 pm – 1 am)
- Thursday (8 am 10 pm)
- Friday (8 10 am)

Experts

 We take people from Waste Disposal Department into consideration via phone if questions cannot be answered directly.

Channel

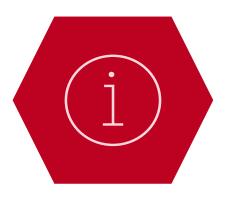
- Please come directly to us, or contact us via **Discord**.
- Please don't use any other channels. Don't use the START Summit platform to get in touch with us.

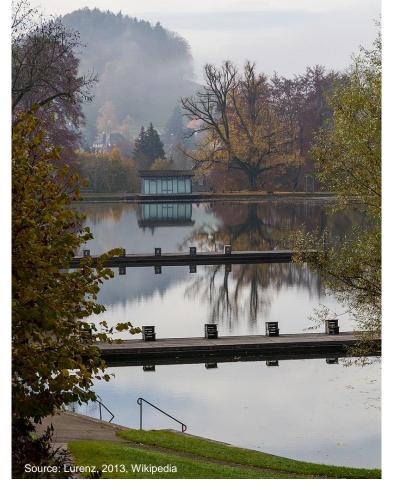


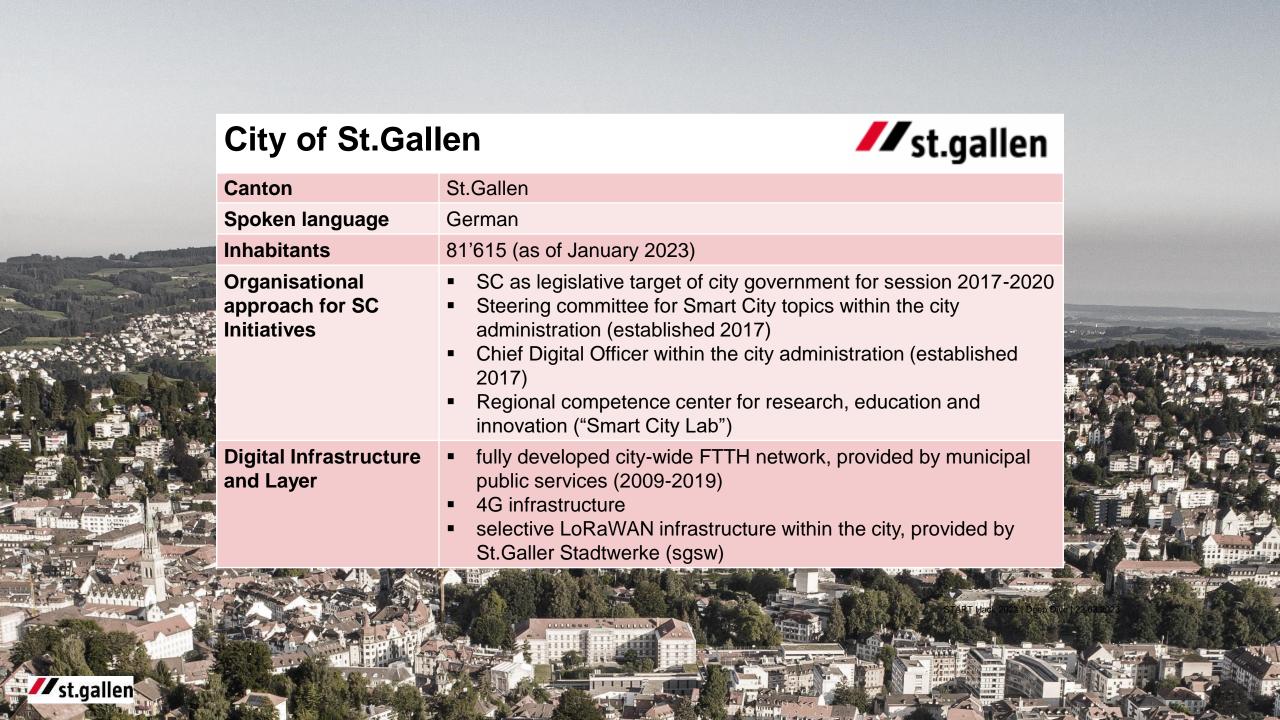


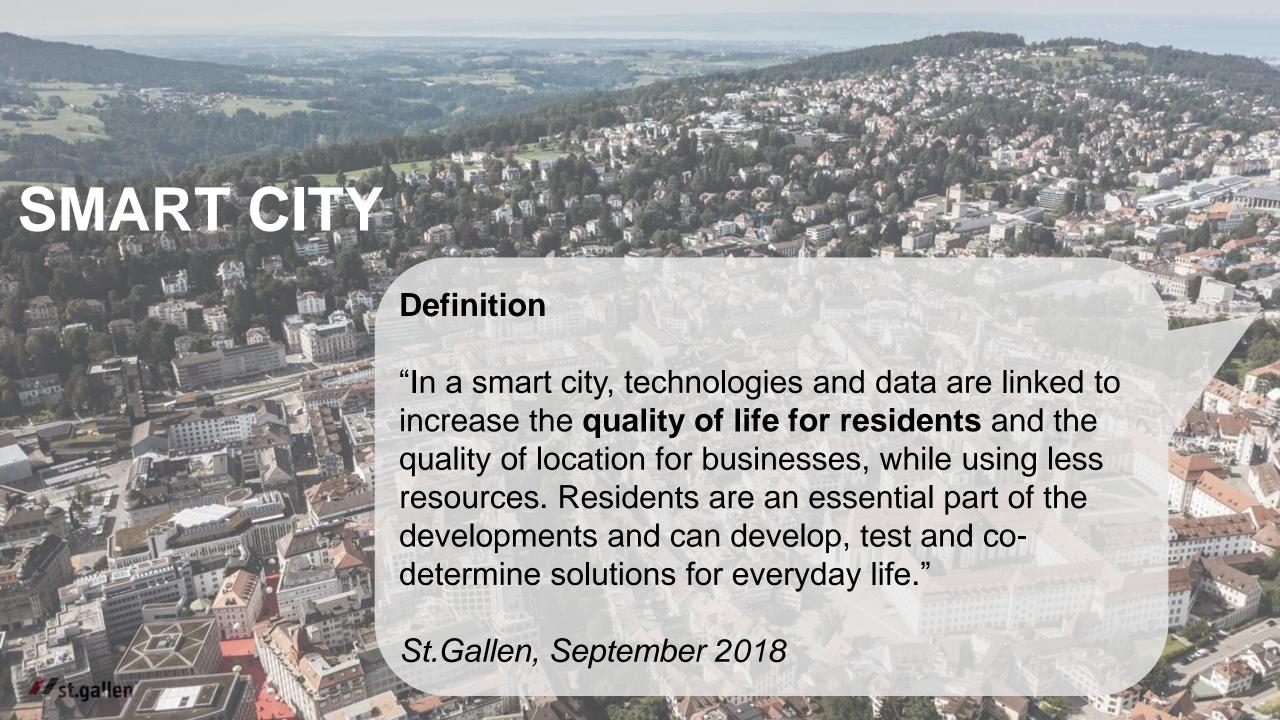












Activities in a Smart City







Smart Government



Smart Governance

- Using the resources in a smart and efficient way, using technology to improve the existing services
- Open & Linked Data: Making data open and using data itself in order to create a data-driven government (Open Data Portal Canton & City of St.Gallen: <u>daten.sg</u>

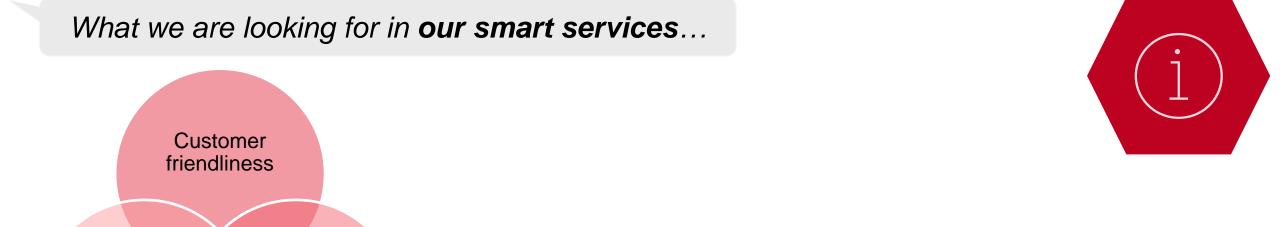
Digital Service & Collaborative Government

 Using participative methods, external knowledge in order to improve services and get insights from different perspectives.

(City infrastructure)

 Providing an infrastructure that allows us to create smart projects in all other areas





...and in which fields are we looking to implement these factors



Efficient use

of resources



Smart Living

Sustainablity



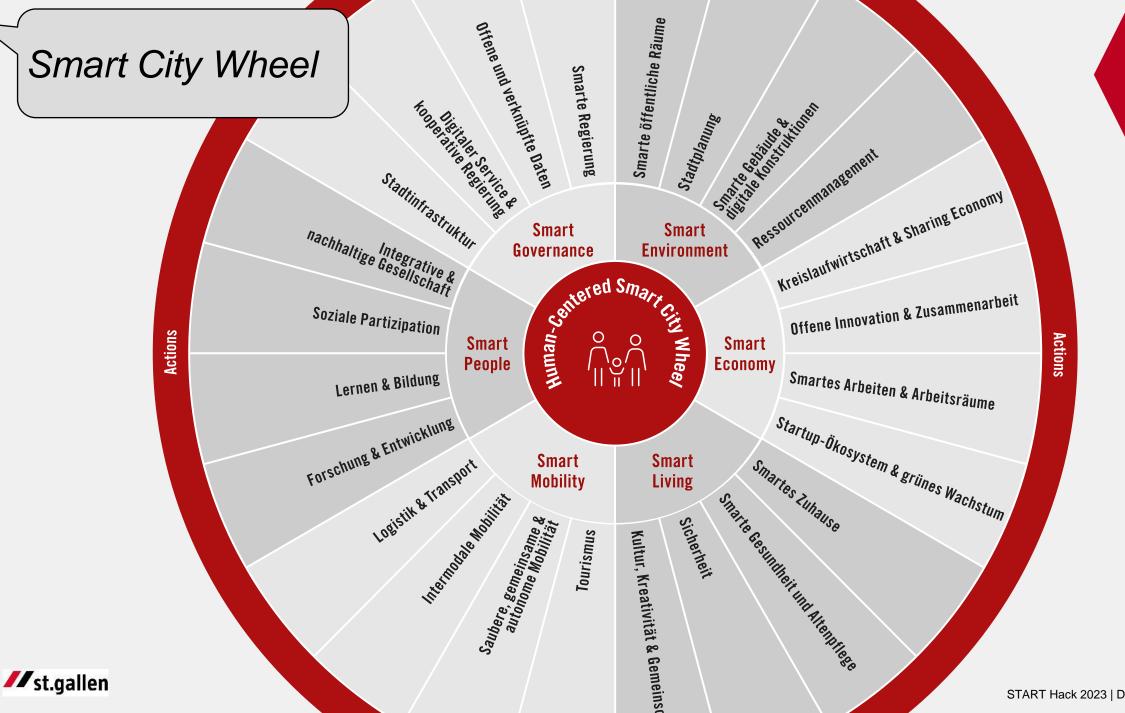
Smart Economy















Customer friendliness, sustainability & the efficient use of resources are hardly guaranteed in the process of bulky waste disposal



Disposal

- Purchase of specific bulky waste stamps
- Items can be left on the doorstep



Collection

- Disposal trucks collect them together with regular trash bags
- Frequent cases of illegal waste disposal



Incineration

- Bulky waste is always burned in incineration plants
- Regardless of its condition / usability



Improving the the bulky waste disposal process while considering two dimensions





Customer-friendly bulky waste disposal

- Quality of information on bulky waste disposal
- Improving the accessibility of waste stamps
- Easier payment for waste disposal
- Opportunity for Re-Use- and Sharing-Concepts

Process optimization in the waste disposal unit

- Saving human resources
 - in support hotline
 - In fighting illegal waste disposals
- Providing concepts for keeping usable items in the life-cycle
- Keeping the city clean from illegal waste



Sustainable practices







Your Mission

Proposing innovative and smart solutions to optimize the process of bulky waste disposal for the population as well as the administration



By addressing one or multiple aspects



and ultimately work towards a smarter city!















What are you working with?

Resources handed out to participants only

- Statistics on bulky waste stamp sales
- Statistics on bulky waste stamp usage and misusage (illegal waste disposal)
- Points of illegal waste disposal
- Waste collection routes as geographic data
- Pick up points on waste collection routes

Open data resources

- Points of sale of bulky waste stamps
- Waste statistics
- Waste bins (underground) for trash
- Recycling points (glass, cans, etc.)
- Statistical population data in machine readable format

Further (open) information

- https://opendata.swiss/de
- https://daten.sg.ch/
- German: <u>Abfallarten</u> | stadt.sg.ch
- Other languages:

 Abfallinformationen für
 Fremdsprachige |
 stadt.sg.ch



We will judge your solutions according to the following criteria...

START Hack Criteria

Complexity & Technical Sophistication

Usage of appropriate services and technologies

Design

Usability of the solution

Viability

Possibility of realizing the solution

Feasibility

Maturity Level of the developed solution

Creativity & Innovation

Surprise effect to the jury

Presentation

Communication of the developed solution

//st.gallen

St.Gallen Criteria

Usefulness of your solution

- The case is a real world challenge that we start tackling this year.
 The more useful it is for us, the better!
- Because the processes within the waste disposal department are intertwined and thus a reconstruction of the entire waste disposal issue is difficult, the solution should primarily focus on usefulness and customer friendliness for the population

