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Evaluating Digital Citizen Participation in Smart Cities

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Introduction

Data-Driven Smarter
Cities



Introduction

- Citizen Participation in Urban Development



Method

-Theories of Participation

-Practical Case Study of One of the Redevelopment projects in Norway, with digital Participation

Torskeholmen redevelopment Case where digital Participation were held due to COVID-19 and received huge responses from 15% of the total Population of Municipality

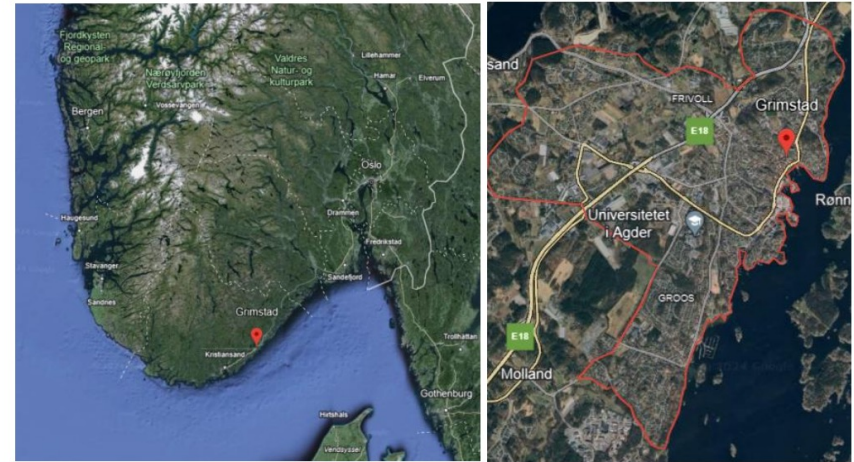
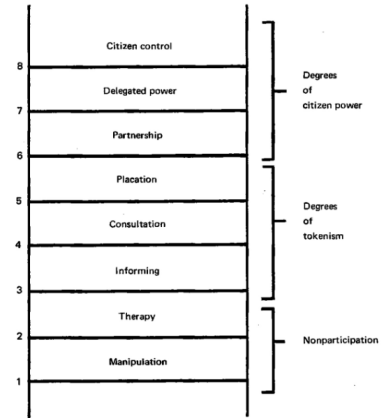


Fig. 1. Location map of Grimstad Municipality in Norway (Source: Google Earth)

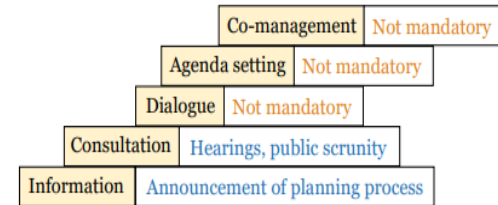
Theoretical Framework

- **Key Models:** Arnstein's Ladder of Citizen Participation.



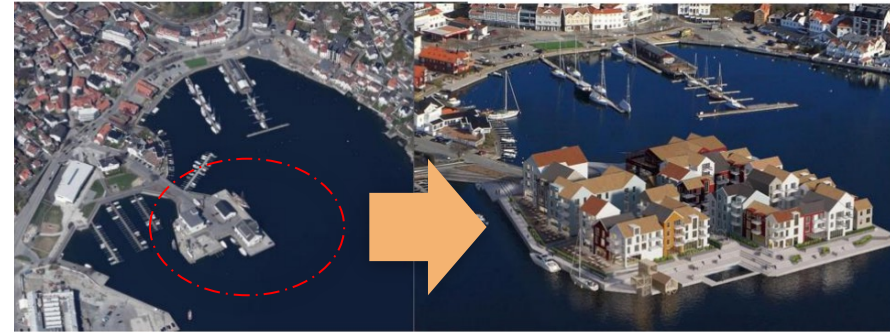
Evaluation metrics

- Qualitatively ----Representativeness, Inclusiveness, Transparency, and Facilitation in the Process of Participation
- Quantitatively--- Age, Gender, other demographic variables and diversity
- Analyzing Questionnaires as Knowledge-based, feeling-based, opinion based and behaviour-based questions



Case Study: Torskeholmen, Grimstad Municipality

- Transforming a fishing and harbour area into a sustainable mixed-use neighbourhood and commercial space
- Goal - Develop Grimstad into an attractive city to live, work and study in for future generations

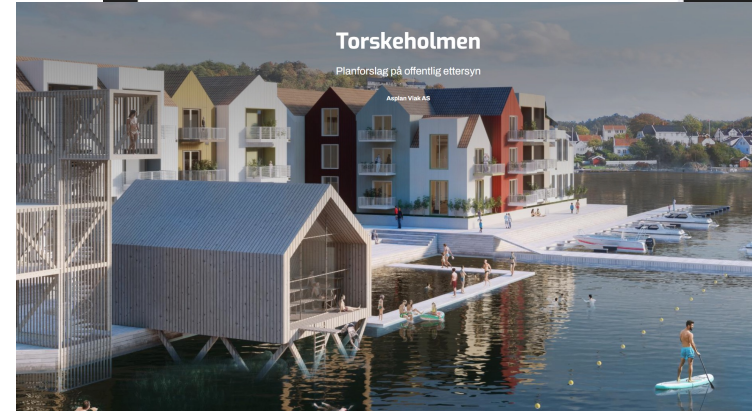
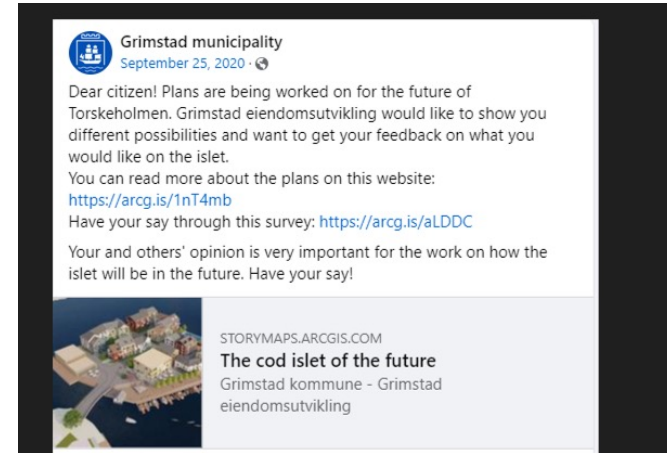


The islet of Torskeholmen (Left), Development alternative for future (Right)

Case Study: Torskeholmen, Grimstad Municipality

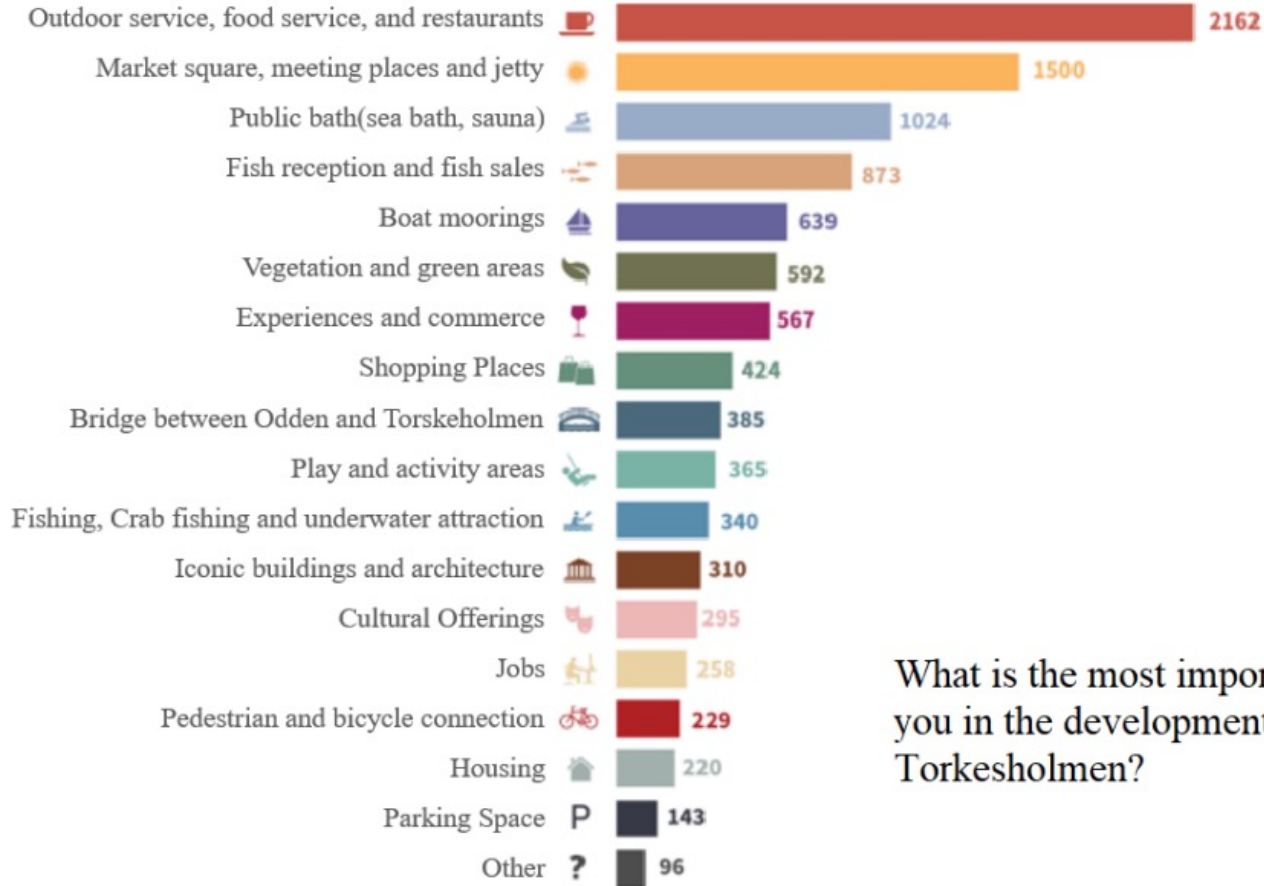
- Strategy
 - Dissemination of Information: SMS, Digital Social Media
 - Lead Questions “ What will Torkesholmen become in future?”

- Survey
 - 13 Questions, 11 closed ended and final 2 free text based





Case Study: Torskeholmen, Grimstad Municipality

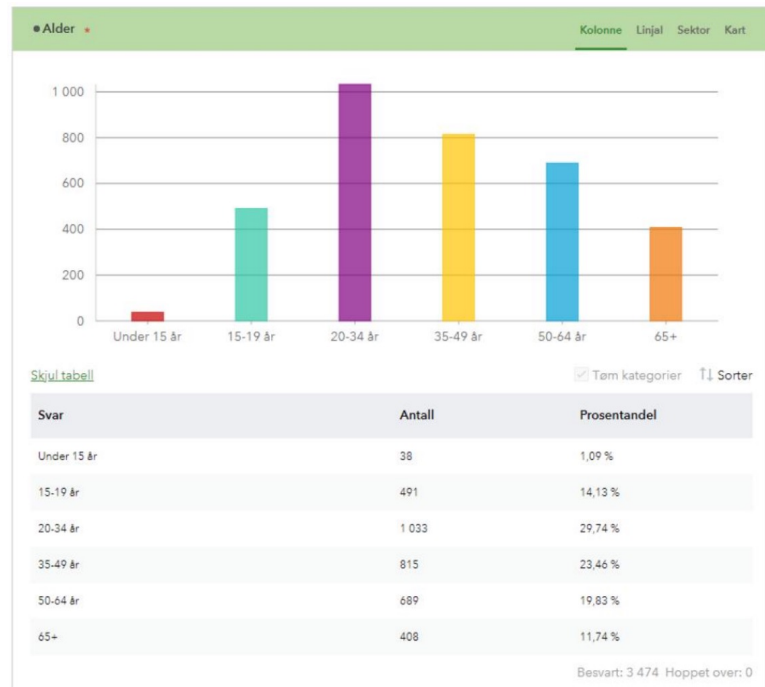


What is the most important to you in the development of Torkesholmen?

Source: Asplan-Viak. (2020a). Spørreundersøkelse oppsummering_2020-11-05 [Survey Summary]

Major Highlights

- High engagement from younger demographics.
- Cultural attachment to the area.
- Questions to prompt values, desires and aspirations of individuals



Thank You

- Questions?



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