

Graduation paper

A Participation Approach to Preserve the Social Function of Religious Heritage: The Case of St. Dominicus Church Utrecht

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Abstract: This paper explores different participation methods that could be applied in redevelop-6 ing religious heritage. Due to secularisation, religious buildings are threatened with vacancy. 7 Churches in particular are difficult to redevelop due to their ecclesiastical and social values. Active 8 community involvement assists in overcoming the gap in designer and user interests. In this 9 study, the St. Dominicus church is used as a case study in which a simulated participation work-10 shop with actors is conducted. The initial goal of the simulated workshop was to determine a suit-11 able program for a community centre inside the existing church building. Various methods were 12 employed during the simulated workshop, structured by three participation phases identified by 13 analysing case studies. Individual brainstorming, cognitive mapping, and a consensus design as-14 signment were applied for research inquiry and design input. Two months after the initial work-15 shop, the preliminary design was reviewed through individual semi-structured interviews. The 16 individual brainstorming together with the cognitive mapping proved to be effective in determin-17 ing general program possibilities, gapping the requirement of communication skills and time. Af-18 ter the review of the preliminary design, all participants expressed a sense of ownership of the de-19 sign, thus these methods could easily be applied in other cases to boost social belonging and 20 community values. Future research recommends a larger sample group and the mixing of age 21 groups in the consensus design assignment, which could result in more conflicting interests re-22 garding the community centre's program. 23

Keywords:participatory design; participatory methods; religious heritage; heritage redevelop-24ment; brainstorming; cognitive mapping; consensus design.25

1. Introduction

Conflicts might arise when rapid alterations in the existing urban environment oc-28 cur due to differences in stakeholder interests. This applies to historic urban objects in 29 particular. According to UNESCO's Recommendation on the Historic Urban Landscape 30 (HUL), these conflicts resulting from sudden alterations could incite the deterioration of 31 urban heritage and social coherency [1]. As a counter measurement, HUL suggests the 32 involvement of various stakeholders to identify conflicts early on in redevelopment 33 processes. Consequently, this also empowers residents to represent local interests in the 34 development of their own environment [2] (p.61). The Council of Europe's FARO Con-35 vention points out other advantages of including local communities in redevelopment 36 processes, such as the boost in the local economy and social values [3]. Even though the 37 Netherlands has not yet ratified the Faro treaty [4], the Cultural Heritage Agency al-38 ready is exploring how to interpret and implement the Faro treaty into legislation [5]. 39

The future of religious heritage is a contemporary example of urban alteration 40 which could result in local retaliation. These buildings not only often are historically 41 significant urban objects, but also represent a community who are strongly attached to 42 the place. Despite this, these religious establishments struggle to remain in service due 43 to secularisation that has steadily occurred over the past decades [6]. Besides the decline 44

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Copyright: © 2022 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (https://creativecommons.org/license s/by/4.0/). in church affiliation, the current church community is ageing caused by the lack of new
younger members [7]. As a consequence, communities not only lose their religious space
but also their social gathering space which negatively impacts the remaining community
[8]. It is for this reason important to assess the role of participation in the redevelopment
of religious heritage.

The involvement of locals in the decision-making process seems to be the right 51 thing to do from a democratic point of view. It not only allows people to represent their 52 own interests but also increases the usability of the design [9] (p.16), [10] and enhances 53 the sense of community involvement [11]. However, the democratisation of the decision-54 making process is not entirely without risk. For instance, pre-existing relationships be-55 tween participants, the competencies of the facilitator and conflicting objectives might 56 complicate or completely halt the redevelopment process. To prevent this, participatory 57 processes are tailored to suit specific projects and goals. This complicates the compari-58 son between participatory processes, thus it is difficult to predict what method works in 59 what scenario [12] (p.57). 60

In this paper, an attempt is made to identify several participatory methods that can 61 be applied during the hypothetical redevelopment of the St. Dominicus church in 62 Utrecht. In this hypothetical design challenge, the church building is proposed to be 63 transformed into a multifunctional community centre in which the program will be de-64 termined by the locals through participation. Due to the sensitive position the church 65 board finds itself in during the period in which this research was conducted, the simu-66 lated participation workshop applied actors representing the local residents. This signif-67 icantly alters the design data, but since this explorative study focuses on identifying and 68 assessing participatory methods instead of collecting design input, the use of actors is 69 deemed satisfactory enough. 70

2. Methodology

This research attempts to assess how the participation of locals can assist in the 72 preservation of the social function of religious heritage after its decommissioning. This 73 assessment is done through a simulated participation workshop on the fictional case of 74 St. Dominicus church in Utrecht using actors. The goal of this workshop is to determine 75 a program for a community centre which will be housed in the St. Dominicus church. 76 Before the workshop can be conducted, various participatory methods must be identi-77 fied. By analysing both religious- and public case studies in which participation was the 78 main focus, multiple participatory methods can be identified. These methods are catego-79 rised corresponding to when in the participatory process they were applied. 80

The cases studied in this research concerning religious projects are St. Jozefkerk in 81 Rijkevorsel, Chapel of Vrouw Middelares in Braken and St. Jan-Baptistkerk in Lille [13]. 82 These churches share the involvement of locals through participatory processes and are 83 all three located in Belgium. Belgium already ratified the Faro treaty in 2022 [4], and thus 84 more examples of local participation can be found there. The non-religious cases in this 85 study are Boulder Creek Library [8] (pp. 81-85), Stony Brook Children Centre [8] (pp. 92-86 93), Houde Park Taipei [2] (pp. 33-38) and Portico Bernburg [14]. These cases are select-87 ed for the diverse participation methods applied to broaden the scope of this research, 88 and the public setting of the workshops. 89

After identifying and categorising the participatory methods, a selection is made for 91 the simulated workshop. The workshop will be conducted through six actors (one female and five males, ranging between 20 and 60 years old) representing the local residents. During the workshop, the participants are divided into three age groups (20-29, 94 30-49 and 50+) to identify similarities and differences in interests between age groups. By identifying common topics and interests resulting from the workshop, the program for 96 the community centre will be determined. Besides this, local factors such as demograph-

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ic, church typology and church vision are based on a neighbourhood poll conducted in 98 2019 [15] will be taken into account in the final decision. 99

Because actors were used to represent the local community, the possible participa-100 tion methods that can be applied during the workshop are limited. For instance, methods that heavily rely on existing knowledge of the church building could not be applied. Actors also can't incite a sense of emotional attachment to the building. For this reason, 103 the results cannot be considered representative of the actual local community. Despite this, using actors makes verification of this research easier. 105

3. Results

3.1. Results Case Studies

Participatory processes vary in goal, applied methods and execution. In Table 1, dif-108ferent case studies and the applied methods are categorized correlating to when in the 109 participatory process what method was applied. 110

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	Orie	ntation		Identification		Evaluation
Case Study	Pre-workshop	Workshop 1	Workshop 2	Workshop 3	Workshop 4	Workshop 5
St. Jozef church [13]	On-site interviews Individual brainstorming	Introductory presentation Thematic focus	Consensus design (symbols)	Focus group budgetary quick- win analysis	Focus group budgetary quick-win plans	Interactive slide presentation
St. Jan-Baptist church [13]	On-site interviews Individual brainstorming	Introductory presentation Thematic focus group	Focus group options future scenario Voting session	Focus group		Interactive slide presentation
Chapel of Vrouw Middelares [13]	On-site interviews Individual brainstorming	Cognitive mapping	Thematic focus group	Focus group mass extension (model) Voting session	Focus group Budgetary quick- win	Interactive slide presentation
Boulder Creek Library [8] (pp. 81-85)		Introductory presentation Group brainstorming Cognitive mapping	Consensus design (drawing)			Presentation with model
Stony Brook Children's Centre [8] (pp. 92-93)		Consensus design (blocks)				Open discussion design options (models) Voting session
Houde Park Taipei [2] (pp. 33-38)		On-site observations On-site interviews	Consensus collective diary	Presentation existing plans Consensus design (drawing)		
Portico Bernburg [14]						Augmented Reality (AR)

Table 1. Applied participatory methods case studies per workshop.

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A pattern becomes evident by comparing the order in which specific methods are 113 applied. Overall, three stages can be identified during the participation process to which 114the various methods can be assigned into. 115

- Orienting stage 1.
- 2. Identification stage
- **Evaluation stage** 3.

The oriental stage occurs before or at the beginning of the participatory process. 121 Qualitative research methods such as on-site interviews, observations and brainstorming 122 in a public setting are applied to gather a broad spectrum of information. On-site inter-123 views attempt to reveal the interviewee's perspective on specific topics and to discover 124 objectives previously not considered [16]. Observations are used to gather information 125 regarding how the observant interacts with their environment or each other in a natural 126 setting [17]. Activity patterns that otherwise are difficult to describe during interviews 127 are revealed. However, observations often fail to capture a complete picture due to time 128 constraints [9]. Important activities could therefore be overlooked. Both interviews and 129 observation require on-site activities or existing knowledge. Because of this, simulating 130 these activities through actors could be complicated. 131

Instead, individual brainstorming sessions could be applied. This method is used to 132 collect a vast number of ideas, opinions and solutions for general or specific problems. 133 In the analysed case studies, two forms of brainstorming were applied, individual- and 134 group brainstorming. Group brainstorming suggests a collective approach, forcing par-135 ticipants to consider more opinions rather than getting stuck on one idea [18]. A consid-136 erable risk of group sessions is peer pressure influencing the morale of other partici-137 pants. Individual brainstorming eliminates this risk, allowing for creative freedom. 138 Studies suggest that individual brainstorming results in better ideas than group brain-139 storming [19]. For this reason, individual brainstorming will be applied in the simulated 140workshop. 141

The identification stage occurs during the participation process and has as its goal 143 to identify common and conflicting interests between the participants. Qualitative meth-144ods that could be applied are focus groups, cognitive mapping and consensus decision-145 making. Focus groups are a method to collect information through question-oriented 146 discussions [19]. Through the exchange of experience and knowledge, ideas and opin-147 ions arise more easily than in individual interviews [9] (p. 20-22). On the other hand, 148 cognitive mapping is a more individual approach in which the participants can express 149 their ideas through a creative medium such as writing and drawing. It is, for example, 150 used to identify spatial requirements for the Boulder Creek Library [8] (pp. 81-85) which 151 would otherwise be difficult to express through conversation. 152

Consensus decision-making forces participants to make decisions by agreement ra-153 ther than by majority vote. This has as advantage that minority groups are not excluded and encourages group unity which often results in a higher product quality [20].

In the simulated workshop, cognitive mapping is applied to develop a clearer pic-156 ture of the program requirements resulting from the brainstorming session. After the 157 cognitive mapping, the participants are divided into duos to develop a spatial plan 158 through consensus design in which priorities become clear. 159

The evaluation stage occurs at the end of the participation process. This stage serves 161 as an evaluation of the design and recognition of the participant's input. Not only does 162 this solidify the final design, but also recognizes the participant's agency, increasing the 163 appreciation for the design. This is usually done through presentation slides and mod-164 els, but other methods could serve as substitutes, such as augmented- and virtual reality 165 making the spatial design more tangible for the participants [14]. 166

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3.2. Results Simulated Workshop

The simulated workshop was conducted through 6 actors. The workshop's goal was 168 to determine a program for a community centre inside the St. Dominicus church. The 169 workshop was divided into the previously identified stages, orientation, identification 170 and evaluation. The methods applied during the workshop are an individual brainstorming session after a brief introductory presentation, individual cognitive mapping, 172 consensus design and a pitch at the end where the participants could exchange their final ideas regarding their plans. 174

3.2.1 Results of Brainstorming

Before the individual brainstorming session in which the participants were inquired176to write down potential programs and ideas for the community centre, a brief introduc-177tory presentation of the research and church was given. After the presentation, the par-178ticipants were given a mind map template (Figure 1) for making analysing the results179easier. In Table 2 the results are summarized.180



Figure 1. Two examples of mind maps resulted from individual brainstorming





The results of the individual brainstorming session are diverse. It rarely occurs that 185 ideas are solely suggested by one participant. Common ideas, such as a theatre and café, 186 are easily recognized. Due to the small size of attending participants, the tendency exists 187 to assume that an idea suggested by two participants is supported by the remaining at-188 tendees. To eliminate this tendency, the average support per program category, such as 189 social programs and cultural programs, is calculated by dividing the maximum possible 190 approval by the sum of actually supported ideas. By doing so, it becomes evident that 191 cultural programs are the most in favour with average support of 58%. Despite the clari-192 ty of overall support, the exact requirements of those programs remain unclear and 193 could easily be misinterpreted. To refine the spatial requirements for these programs, 194 the cognitive mapping method will be applied. 195

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3.2.2 Results of cognitive mapping

In this stage of the workshop, the participants were inquired to select approximate-197 ly four programs from their brainstorming session which they preferred the most. After 198 this selection, the participants were tasked to illustrate or write down spatial require-199 ments they expected to be essential for the program. To assist the participants in this as-200 signment, standard spatial themes were given, amongst others daylight, spatial dimen-201 sion, accessibility and privacy. As expected, this assignment proved to be challenging for 202 the participants due to the level of abstract thinking that is required. All participants re-203 sorted to making wish lists with general spatial requirements. Only after further encour-204 agement, some participants attempted to convert their lists into program drafts, some of 205 which are shown in Figure 2. The participants could express themselves more easily 206 through writing rather than visualising spaces for the selected programs. 207



Figure 2. Three examples of floorplan drafts resulting from cognitive mapping

The application of this assignment in the design process seems to be dubious due to 212 the diverse requirements. The spatial requirements suggested by the participants often 213 are obvious suggestions. This could be explained by the fact that people could only re-214 late to their existing knowledge. For this reason, this method is not as effective to deter-215 mine specific spatial requirements. Despite this, this assignment does have some useful 216 input in the process. Firstly, it forces the participants to refine their suggested programs 217 further. Secondly, this method uncovered a difference in program preference between 218 age groups. The younger participants between 20 and 29 years old mainly selected cul-219 tural programs, whereas the participants between 30 and 49 selected more work-related 220 programs such as flexible work spaces. The participants of 50+ mainly preferred social 221 functions. 222

3.2.3 Results of consensus design

Consensus design forces the participants to make decisions, exposing priorities in 224 the process. The participants were divided into duos correlating with their age. Group A 225 consisted of the two youngest participants between 20 and 29 years old, group B be-226 tween 30 and 49, and Group C 50+ years old. Each duo was given drawing utilities and existing floor plan drawings of St. Dominicus church alongside site plans and solar orientations. The final results of the consensus design assignment are shown in Figure 3. 229

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Figure 3. Results of consensus design assignment

All three designs share similarities. Each design remains relatively loyal to the existing church structure. When interventions happen, they almost always occur because of routing rather than the need for more space. Furthermore, all three designs share the program inside of the nave, a theatre at the apse and a café or exposition room near the entrance. The monastery adjacent to the nave is where the various programs strongly deviate. It is here where the previously identified preference reoccurs.

Group A (a) seems to emphasise the importance of self-sustainability in its plan. 239 Vegetable gardens and perks are placed in prominent places where people gather. 240 Group B (b) on the other hand focused more on opening up the internal courtyard by 241 breaching existing walls. The work-related programs, such as flexible and permanent 242 working spaces surround the internal courtyard. This was done to make the design fi-243 nancially more feasible. Group C (c) integrated the most diverse range of programs in 244 their design. Upon further questioning, it became clear that the goal was to bring differ-245 ent age groups together to create social interactions. Social activation is considered the 246 priority for this group. 247

3.2.3 Results of the Evaluation

Based on the workshop results, a program for a community centre in the St. Domin-249 icus church is put together. The community centre consists of a theatre with a foyer in 250 the nave, a café and flexible workspaces in the annexe building and a maker space in the presbytery (Figure 4). To ensure that the results from the workshop are interpreted and integrated correctly, the design is evaluated through individual interviews with the participants, two months after the workshop. Each participant is asked what they can recall 254 from the workshop and their consensus plan before the preliminary design is shown. 255



Figure 4. Preliminary design community centre St. Dominicus

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All participants could recall the workshop and their consensus design for the community centre. Upon reviewing the preliminary plans, each participant could recognise their input without the need for clarification. When asked what programs they recognised, mainly common programs were mentioned such as a theatre and café. 260

Furthermore, each participant expressed excitement or interest towards further developing the design and project location. This could indicate a form of project attachment, as has been expressed by one participant as "it is also (a part of) mine".

4. Discussion

Participation processes are dividable into three general phases, the orienting phase, 265 the identification phase, and the evaluating phase. During the orienting phase, general 266 goals are defined through various qualitative methods such as on-site observations and 267 brainstorming sessions. These goals are used as starting point in the identification stage, 268 where conflicting and/or common interests are identified. The methods used during this 269 stage generally happen in collective assignments where different participants have to 270 work together to reach a consensus. The evaluating stage occurs at the end of the partic-271 ipation process. During this process, the participant's agency is recognised, consequent-272 ly boosting the sense of ownership. 273

In the hypothetical case of St. Dominicus Church in Utrecht, the three participation 274 stages were used as the main frame for the simulated workshop. During this workshop, 275 six actors representing the local residents could express their ideas regarding possible 276 programs for a community centre through various participation activities. The work-277 shop activities included individual brainstorming, cognitive mapping, consensus design 278 assignment and a short pitch per plan. Two months after the workshop, the preliminary 279 design in which the design input from the workshop was integrated, was reviewed 280 through individual semi-structured interviews. 281

The individual brainstorming session is an effective tool to generate general ideas 283 without the risk of being judged by others. On the other hand, this method also resulted 284 in irrational program suggestions due to the lack of reflection from other participants. 285 The cognitive mapping activity intended to specify the programs from the brainstorm-286 ing session through writing or drafts. The results from this activity are general and 287 failed in the further specification of spatial requirements, thus cannot be used to define 288 specific requirements. Despite the ineffectiveness of this method to specify spatial re-289 quirements, cognitive mapping forced the participant to relate to their existing 290 knowledge regarding their favoured programs. This proved to be essential for the con-291 sensus design assignment. During the consensus design assignment, the participants 292 were grouped correlating with their age, and were asked to develop a layout with their 293 defined programs. By doing so, priorities became evident. Strong differences in priori-294 ties between age groups can be observed. 295

During the individual semi-structured interviews in which the preliminary design 297 was reviewed, each participant expressed satisfaction regarding the integration of their 298 ideas. When asked to name programs they recognised from their plan, mainly shared 299 programs such as 'theatre' and 'café' were mentioned. From this, it can be deduced that 300 participants perceive collective ideas as their own when asked individually. Further-301 more, each participant expressed a sense of ownership and interest in the further devel-302 opment of the project, indicating a sense of attachment. This sense of ownership could 303 boost the social functioning of the building if it was to be realised. This solidifies the ef-304 fectiveness of community involvement in the conservation of social functions during the 305 redevelopment of religious heritage. 306

Due to the limited sample size, a similar workshop should be conducted with more 308 participants. Furthermore, the fact that participants of similar ages were grouped could 309

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	have prevented potential conflicting interests. More interesting results could have been discovered if different age groups were mixed, or if design groups were larger than two	310 311			
	participants.	312 313			
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Ref	erences	321			
1.	UNESCO. Recommendation on the Historic Urban Landscape. In Proceedings of the Name of the UNESCO's General Conference, Paris, Erance, 10 November 2011	322			
2.	Indice, 10 November 2011. Jeng, H.L. A Dialogical Model For Participatory Design: A Computational Approach to Group Planning, Doctoral Thesis, TU	323			
	Delft, 27 June 1995.	325			
3.	Council of Europe. Council of Europe Framework Convention on the Value of Cultural Heritage for Society. Available	326			
	online: https://www.coe.int/en/web/culture-and-heritage/faro-convention (accessed on 17 January 2023).	327			
4.	Council of Europe. Chart of signatures and ratifications of Treaty 199. Available online:	328			
	https://www.coe.int/en/web/conventions/full-list?module=signatures%2Dby%2Dtreaty&treatynum=199 (accessed on 17 Janu-	329			
F	ary 2023). Cultural Haritaga Agamay, Ondonusa naan Fana. Da batakania wan bat Mandrag wan Fana waan bat Madarlandaa anfaaadwald an	330			
5.	cultural Hentage Agency. Underweg naar Faro, De betekenis van het verdrag van Faro voor het Nederlandse engoedveld en				
	lands 2022 Available online: https://www.cultureelerfgoed.nl/onderwerpen/erfgoed.naticipatie-	332			
	faro/documenten/publicaties/2022/01/01/uitvoeringsagenda-onderweg-naar-faro (accessed on 27 February 2023).	334			
6.	CBS. Available online:	335			
	https://opendata.cbs.nl/#/CBS/nl/dataset/37944/table?searchKeywords=kerkelijke%20gezindte%20en%20kerkbezoek (accessed	336			
	on 13 November 2022).	337			
7.	CBS. Available online: <u>https://opendata.cbs.nl/#/CBS/nl/dataset/82904NED/table?ts=166834950210320kerkbezoek</u> (accessed on 13 November 2022)	338 339			
8.	Ennor, L.H. Effects of Closing a Small Rural Church. Masters Dissertation, University of Otago, Otago, 2007	340			
9.	Maisel, J. L.; Steinfeld, E.; Basnak, M., Smith, K.; & Tauke, M. B. Pocket Architecture: Technical Design Series; Inclusive Design,	341			
	Implementation and Evaluation, 1st ed.; Routledge: New York, United States of America, 2017; p. 16–36.	342			
10.	Sanoff, H. Participatory Design. Journal of Design Planning and Aesthetics Research 2022, 1(2), 1–12.	343			
	<u>https://doi.org/10.55755/DepArch.2022.8</u>	344			
11.	Manzo, L.C.; Perkins, D.D. Finding Common Ground: The Importance of Place Attachment to Community Participation and	345			
	Planning. Journal of Planning Literature 2006 , 20(4), 335-350. <u>https://doi.org/10.1177/0885412205286160</u>	346			
12.	Sanoff, H. Integrating Programming, Evaluation and Participation in Design, 1st ed.; Avebury: Aldershot, England, 1992; p. 61.	347			
13. 14	Innovatiesteunpunt; Rurant. Maak van je kerk een dorpsknooppunt. Publisher: Innovatiesteunpunt, Belgium, 2020; pp. 1–41.	348			
14.	Study in the City of Bernburg, Journal of Digital Landscane Architecture 2017, 2, 244-251, https://doi.org/10.14627/537629025	349			
15.	Dorp, H. v. Huis van Dominicus – werkplaats van hoop: Projectplan 2020. Publisher: Huis van Dominicus. The Netherlands.	351			
10.	2019; pp. 4–9.	352			
16.	QRCA. On-site and Field Interviewing Techniques. Available online: <u>https://www.grca.org/page/on_site_and_field/On-site-</u>	353			
	and-Field-Interviewing-Techniques.htm (accessed on 17 January 2023).	354			
17.	CDC. Data Collection Methods for Program Evaluation: Observation. Available online:				
	https://www.cdc.gov/healthyyouth/evaluation/pdf/brief16.pdf (accessed on 17 January 2023).	356			
18.	Mindtools. Brainstorming. Available online: <u>https://www.mindtools.com/acv0de1/brainstorming</u> (accessed on 17 January	357			
10		358			
19.	Lamm, H.; Frommsdort, G. Group versus individual performance on tasks requiring ideational proficiency (brainstorming):	359			
20	A review. European journal of Social Psychology 1975, 3(4), 361–492. <u>https://doi.org/10.1002/ejsp.2420030402</u> Brosson K.T. Consoneus Docision Making What Why. How. The change handback: The definition resource on today's best well-ada				
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		202			