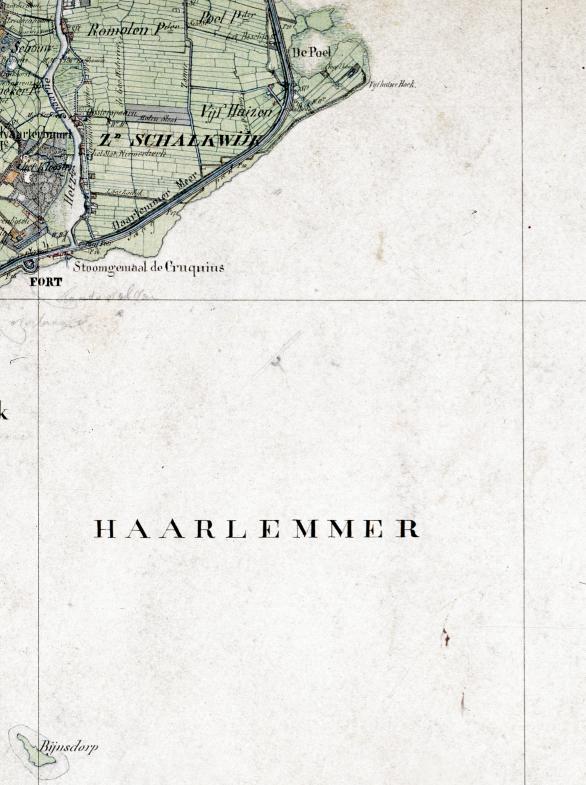




Journal of Delta Urbanism Delft University of Technology





MEER

Aalsmeen

# Title

Environmental crisis, sectoral versus integral: The agency of change by Chris Zevenbergen, Carola Hein, and Lars Ma

Longue durée: Aided self-help and sites & services in the delta?

Aided self-help by Simone Rots

Cities made by people by Jacqueline Tellinga



	Keywords	Pages
	delta, urbanisation, interdisciplinarity	47 - 52
arcus		
	cooperation, public cause	53 - 62
	new town planning, self- organisation, aided self-help	
	freedom, governance, empowerment, inspraak	

Longue durée: Aided self-help and sites & services in the delta?

According to Gerald L. Burke, an English geographer, settlement layouts during the expansion of 17th-century Dutch cities were consciously planned; rather than stemming merely from 'chance growth', their development followed several key steps. This planning was the logical result of dealing with the difficult delta conditions, due to which settlement was only possible through cooperative effort. Burke writes:

It [Burke's book] gives a brief account of urban and rural evolution in a country which, endowed initially with the poorest of natural resources, stood in constant danger, throughout the ages, of losing most of them to the depredations of the North Sea. There is so much to be admired in the manner in which those results were achieved. The qualities of courage and tenacity, ingenuity and faith ... are those of a people with deep and abiding attachment to their homeland who sought from earliest times, and still seek, to extend its area by winning new territory from sea and lake, marsh and bog, instead of casting covetous eyes upon the lands of their neighbours.

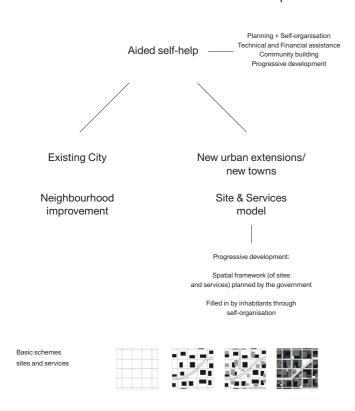
The Dutch have made their vulnerability profitable, and this shift constitutes an important mental aspect of the 'fine Dutch' tradition', or the 'dynamic tradition of making urban plans using the parameters of the natural system - linking in an efficient way the hydrological cycle, the soil and subsurface conditions, technology and urban development opportunities' (Hooimeijer, 2014). This tradition facilitated the aforementioned; it is the foundation of the Dutch planning culture, in which the 'public cause' is not only dominant but fundamental.

Considering this tradition as the cultural longue durée, the question arises how, after two centuries of a welfare state and two decades of 'participation society', the nature of this cooperation in the delta between public and private conditions has changed? To answer this question, Simone Rots and Jacqueline Tellinga were invited to discuss the role of self-organisation – bottom-up meets top-down - in this culture, alongside the concepts of 'aided selfhelp' and 'sites & services'.

# Aided self-help in the Dutch Delta Simone Rots

### About Simone Rots

Dr Simone Rots is a partner at Crimson Historians and Urbanists and the managing director of the International New Town Institute, an international platform facilitating the exchange of research, education and knowledge pertaining to new towns. Her research interests include the housing policies and instruments applied in developing South American countries from the 1950s to the 1970s, when government policies and urban planning facilitated self-organised building. Through this aided self-help policy, relevant actors sought to respond to rapid urbanisation by considering the capacities of residents to build their own homes and develop their own public spaces. As part of the aided self-help policy, the government implemented the 'sites & services' planning tool to facilitate the self-organised housing by the public implementation of urban utilities like infrastructure, gas, water and electricity. In 2021, Simone received her PhD from TU Delft with her research, 'The Squatted New Town: Modern Movement meets Self-organisation in Venezuela', which draws valuable lessons from mid-century Latin American urban development. These lessons highlight the importance of integrating the needs and wishes of residents with commitment from local authorities. More importantly, her results demonstrate the opportunities presented by the aided self-help housing policy, an effective alternative that extends beyond the habitual use of modernistic ideas and concepts.



Two forms of aided self-help according to the location of figure 1 the site (Rots, 2021)

This research addresses the question of whether the policy of aided self-help and the planning tool of sites & services are worthwhile in modern Dutch urbanisation, amid the rising prominence of citizens' initiatives, self-organisation and self-management.

## AIDED SELF-HELP

'Aided Self-help is a policy in which organised aid from the government facilitates and stimulates the residents' capacity for self-organisation. The central reasoning is that the government provides for the planning of infrastructure and facilities, and that the residents themselves build their homes based on progressive development'. This policy aims to solve housing problems by facilitating public self-organisation, trusting in residents' economic potential. Aid ranges from financial support to technical aid for the (re)construction of a single-family home, to the creation of an urban grid with basic facilities - 'sites & services' - which form the basis for urban expansion. The government is responsible for designing and implementing urban-development projects, but the occupation of the plots and their habitation is organised by the residents themselves in a progressive way of development. In this way, the projects are only carried out when they are feasible for the residents, either through financial or material resources.

## TWO FORMS OF AIDED SELF-HELP

The policy of aided self-help was first promoted in the developing world during the 1960s and 1970s. Rapid urbanisation put pressure on cities via a lack of housing, resulting in widespread informal urbanisation. Governments simply could not build fast enough to keep up with rising demand for shelter. Thus, residents built informal housing in unsafe and unregulated locations. This lack of shelter called for a new type of housing policy - aided self-help - one that boosts the capacity of people to build by them self. Furthermore, through the sites & services scheme, governments regulated urbanisation by providing plots and infrastructure facilities. Such a policy approach requires a committed government to properly distribute land and provide technical, financial, logistical and social assistance. In this way, residents are supported in their housing needs while, at the same time, developing new building skills with which they can aid their family or neighbours (mutual aid).

While aided self-help has been successful across many instances, the policy boasts a significant requirement: alongside a strong government, residents must wield a central position in the implementation of aided self-help. Such a position facilitates mutual aid, in which a collective of families, friends or neighbours cooperate and which greatly strengthens the overall policy. Thus, for aided self-help to function properly, a strong, skilled community is essential. Without such a community, it is

About Jacqueline Tellinga ing law (Loi sur les Habitations Ouvrières, 1889) primarily Jacqueline Tellinga has been an expert in self-build urstimulated individual property, whereas the Netherlands banism for over 20 years. She has published numerous focused on collective housing through the Housing Act books on citizens' initiatives in the spatial domain, inof 1901. This focus only began to shift amid 1980s-era cluding Heilige Huisjes (2001), Burgerlijke Stedenbouw neoliberalism, the motto being, 'make pace, make mass, (Civil Urbanism, 2002), De Grote Verbouwing (The Big and the market must do it'. However, 'the market' in the Fix up 2004), Zelfbouw is Remedie Tegen Groeiende Netherlands has become closely intertwined with the Ongelijkheid (Private Building is the Remedy to larger institutional parties. Citizens are not admitted to Increasing Inequity, 2018), No Choice Over Our Heads the land and housing market as full-fledged players. They (2019) and Klein Wonen (Small Homes, 2019). She works are allocated the passive role of 'customer' - not that of as an urban planner for the municipality of Almere and the initiator. Unintentionally, this role division is firmly serves on the expert team of the Living of the Netherlands anchored in Dutch zoning policy. Development percent-Enterprise Agency, advising municipalities on issues reages vary by area, but they generally fall along the follated to housing. In 2021, she started the pilot Bouwen lowing lines: 30% social housing, 40% middle segment door de Buurt (Building by the Neighbourhood). and 30% expensive purchases. Thus, there is no room for Bouwen door de Buurt relies on a simple principle: self-builders. It is important to consider this when lookif residents see a potential building site in their own neighing at Dutch housing programs and zoning plans - they bourhood - for themselves, friends or family - they can serve the landowners, as is the current lobby for the new call on her team to help them navigate the tightly regulattown 'Eemvallei' in Flevoland: a carefully considered form ed Dutch planning system. The first edition of the pilot is of self-interest on behalf of landowners.

Almere's Kruidenwijk, a neighbourhood developed in the Thus, governments and city councils that genuinely late 80s and early 90s, the time that the largest building want to empower citizens - who stand for real freedom of stock has been realised in the Netherlands. Two aspects choice, who value end-user ownership - must implement are essential: the residents must find their own building change with regard to land allocation. Land should be site in the existing urban fabric, and they must organise offered to citizens' initiatives regardless of whether they support for their building idea within their neighbourwant to build individually or collectively. Incidentally, the hood. Surprisingly, there were no Dutch precedents for United Kingdom recently introduced the Right to Build this mode of development. Consequently, Jacqueline defor this purpose. Local authorities keep track of who recided to start small. Her team is currently investigating ports as private self-builders via a mandatory register, and how residents' building ideas can be made to comply with these individuals must be offered plots. Amsterdam is also the Netherlands' strict planning system. It will become a good example, as it allocates 20 per cent of available clear whether the current initiators have gained enough building lots to housing cooperatives. Other municipalisupport within their neighbourhoods to continue latties consider this development method to be too bureauer this year. Other local residents get the chance to voice cratic despite its significant social return. In truth, howtheir support or objection through a process known as 'inever, it simply requires a strong commitment. spraak' (literally 'speak-in').

## CITIZENS ARE NOT A FULL-FLEDGED FORCE IN THE HOUSING MARKET

The government owns a lot of land in the Flevopolder, enabling to allocate land to individual self-builders. This Dutch housing development is dominated by develophas been done at a large scale and with great diversity in ing landowners rather than residents. Jacqueline argues Homeruskwartier (2007) and subsequently in Oosterwold for equal and fair access to land, including for private (2012). In Oosterwold, the municipality of Almere decided self-builders. Something that certainly hasn't been realto facilitate organic growth along the lines of a structure ised by the contemporary planning system so far since plan (Structure Plan Oosterwold, 2013) instead of makdevelopment rights are fully tied to land ownership. ing a rigid urban plan. The municipality abides by princi-Whoever acquires the land also acquires the building pal rules of development pertaining to land use, density, rights. This is why professional developers make pre-emproad systems and water system. However, the municipaltive land purchases to secure their business case. Even for ity does not directly engage, or at least does so as little as land owned by the government, tenders have been estabpossible. There is no grid paid for with collective resourclished in such a way that the same developers can join imes. MVRD was subsequently commissioned to translate mediately, strengthening the oligopoly. the principle of organic growth into a spatial plan. Self-In this respect, the Netherlands differs significantly builders must organise infrastructure systems on their from Belgium, dating back to political decisions from last own. For example, they can decide on streetlight frequencentury. Belgian housing policy focused on the individucy and name streets all on their own. These residents are al rather than the collective. The very first Belgian housgenerally people with a pioneering sense who love the

# Cities made by people Jacqueline Tellinga

### **OOSTERWOLD**

easy for professional project developers - market actors to take over. Commercial participation scales up quickly, raising prices and making local development inaccessible, even for those in dire need of housing. This lowers the guality of neighbourhoods and hinders the development of a desirable public space. Governments must be able to ensure that the local housing-construction process remains resident-led, avoiding the deleterious effects of market actors.

There is always an interaction between self-sustaining citizens and the government supporting their efforts through professional aid. The market can play a role if it is 'allowed', leading to a triangular relationship.

### MARKET INTERFERENCE: TIME

The concept of aided self-help emerged in the 1960s and 1970s: in fact, it was the most important theme at the UN Habitat 2 conference in 1976. However, the concept was already abandoned by the late 1980s, in large part due to the fact that, in many cases, the associated funding models proved to be inaccessible to the lowest-income groups. Aided self-help became increasingly criticised, resulting in new openings for the market. Unsurprisingly, this shift aligned with the rise of neoliberalism.

One interesting question presents itself in the Netherlands: in a context with strong public governance and a dominant private-developers market, how can

there be a triangular dynamic among the public sector, the private sector and residents? The answer is that government investment in aided self-help is not purely financial; investment entails community support, structure and organisation. It requires efficient development in a brief time span, as Dutch people would not want to live in a new area that still lacks proper facilities. Swift development is crucial, meaning the slow crawl of private development would be inadequate. This cultural dynamic largely stems from the fact that chance growth has been incredibly uncommon in the Netherlands.

Of course, aided self-help is a progressive development process; it takes time, and it must be assessed in the long term. The issue is thus that if you want to combine urbanisation with self-organisation the factor time must consciously be included, to let the city grow in a progressive way.

My research assessed the Latin American planning context using the cases of Ciudad Guayana and 23 de Enero (Caracas), both Venezuelan new towns built in the 1950s and 1960s. In El Gallo, a part of Ciudad Guayana, the sites & services scheme was implemented via grid expansion, entailing land and infrastructure development. Construction progressed from simple huts to - depending on the availability of money and materials - proper homes, some of which were capable of housing businesses. This process took up to 20 years.

Informal

Basic S&S

Basic S&S +

central water point

Basic S&S with infrastructure

Core-houses

"New towns

outdoors, appreciate a sense of community, and are not money. It is an idee fixe that they are spontaneously rewithout means. In Oosterwold, the government took the alised by citizens or companies. For example, the private radical step to leave the entire area layout to the residents. market does not voluntarily build houses with a high in-Aside from the fact that people make their own sulation value or monitor sufficient living space for bats. home and living environment, I think, two forces make While there may be some examples of small-scale societ-Oosterwold excel as a development: 1) the ability to deies that are highly self-governing, on the scale of a region termine the shape and size of one's own lot and 2) the reor country, I do not see how citizens and companies would quirement to use 50% of one's lot for urban agriculture. effectively regulate without a state authority. Oosterwold These two municipal ingredients form the basis upon shows what can be achieved by allowing and facilitating which the self-builders create a fantastic and unique landplanning freedom in a low-density settlement. Conquering scape. Meandering roads rich in colour and scent with all freedoms in a swathed-in Dutch legal system is intensely kinds of plant and animal life. This landscape would never innovative and brutally complex. The pilot 'Bouwen door have been conceived - let alone executed and maintained de Buurt' in Kruidenwijk even takes a step further.

- by a municipality or professional developer. Oosterwold resulted from a principled and political choice. As with the previously developed Homeruskwartier, it stems from the idea that people can effectively create their own living environment.

Burke (1956) praised the Netherlands for its consciously planned settlements. He was impressed by the ingenious way in which the Dutch protect their country against water and collectively plan urbanisation. Anyone with a building idea must have a plan to handle water. The state will not distribute environmental permits to TIED FREEDOM building proposals that do not pass the water test. In All governments – be they liberal, socialist or conservative Oosterwold, residents organise their own rainwater and - enact regulations to achieve collective goals and prevent wastewater, training themselves to be experts. This is cruunnecessary risks. State planning and construction laws cial, as public-private collaboration on water issues will serve societal goals. Achieving these goals, however, costs only become more important as climate change worsens.



In Oosterwold the govenment took the radical step to figure 1 leave the entire area layout to the residents as long as 50% of one's lot is used for urban agriculture. (Photo: Adrienne Norman, 2020).



figure 2 The government of Almere enabled individual selfbuilders at a large scale and with great diversity in Homeruskwartier. The neighbourhood under construction in 2010. (TopShot.nl).

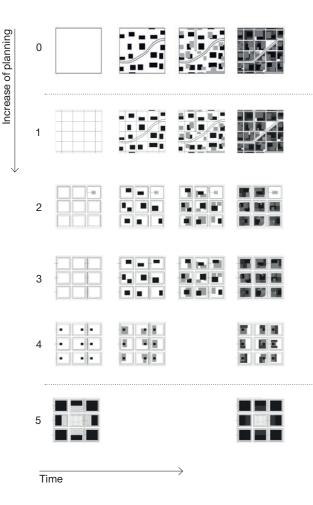


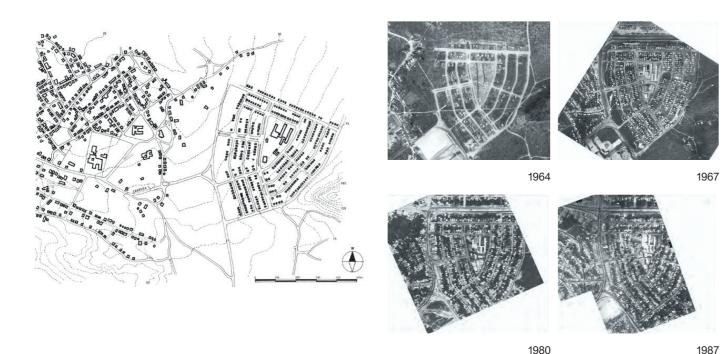
figure 2 Role of stakeholders (government, market, people) within different types of sites & services (Rots, 2021)

Stakeholders

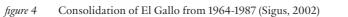


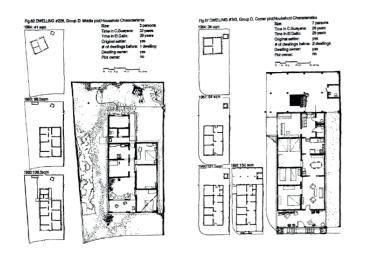
figure 3

In the BouwEXPO Small homes in Homeruskwartier the smallest home measures 18 m2, the largest 50m2. (Photo: Adrienne Norman, 2021).



*figure 3* El Gallo, in Ciudad Guayana, in 1969 (Caminos et al., 1969)





*figure 5* Examples of the gradual consolidation of two plots in El Gallo (Reimers, 1992)

## PEOPLE'S DURÉE

At the Department of Building Management – particularly the 'Public Commissioning in Construction' (TU Delft) – we have done extensive research into citizen-government relationships. What does the government do to facilitate or stimulate participation in the built environment? One urban-development project made it clear that citizens can only constitute equal stakeholders when they are organised in a way that enables them to speak as an organised group. This indicates the need for an additional actor in the 'public-private partnership, an additional p; the people must bear an equivalent status in order to be operational in development projects. While various citizens' councils have been established to achieve this end, none of them constitutes a proper institutional entity.

How can we facilitate this dynamic without institutionalising self-organisation while giving citizens a voice in urban development? The hypothesis could be that Oosterwold represents aided self-help 2.0 – perhaps the original Dutch welfare state has laid the foundation for a new form in which the market and self-organisation can both be operational at the same time.

Considering the cultural Longue Durée of this public-private cooperation in the delta, the Netherlands boasts significant potential. It already wields a fertile humous layer through a committed government with established the technical and logistical assistance, crucial for the successful implementation of aided self-help with sites & services, especially in this specific deltaic condition. This potential is clear in Oosterwold, where residents building their own houses without any regulation by the government have a lot of questions about soil and water conditions. Here, the sites & services instrument could have a knowledge-provision function as well.

## RESPONSE BY JACQUELINE TELLINGA

The question of whether the sites & services planning tool, one of the subjects of Rots' study, can be used in modern Dutch urbanisation is an interesting one. If so, we must enact a major de-privatisation of utilities and be willing to live in unfinished streets - but why not? It would mean that governments would again invest in energy, electricity, water and data networks. I cannot imagine private companies like Vattenfall waiting 20 years for their return on investment. It is also an exciting idea that people would be allowed to continue building as soon as they have money in the bank, meaning a general acceptance of the fact that new neighbourhoods are not completed within a short period of time. Governments would need to be prepared to pre-invest in both above- and below-ground infrastructure. Self-builders would receive advice and support pertaining to the construction of their home, and houses would grow in tandem with the money that people have in the bank. It is a truly Evidently, the residents of Oosterwold have succeeded. In Homeruskwartier, self-builders bought plots ready for construction, as the city of Almere carried out preliminary research and prepared the site for building. That is just another example of bottom-up urbanisation. Kruidenwijk could advance this even further.

# RESPONSE BY SIMONE ROTS

There are examples of both versions of aided selfhelp in the Dutch Delta if one looks to the city of Almere, which is situated in a deep polder –reclaimed land from a former inner sea. The first example of Oosterwold is closest to the original version for new city expansion. The instrument of sites & services is important, as it effectively regulates urbanisation without the need for direct government engagement in building the houses.

The version of aided self-help for existing cities could be applied to Kruidenwijk, an existing area in Almere in which planning and self-organisation – the dynamics between citizens and the government – are changing. In this version, according to Jacqueline Tellinga, the government could take the supporting role, helping them with regulations for example.

My results from Venezuela are not fully generalisable to the Western world due to economic and political differences. However, they can be used as a lens through which to look at Oosterwold, which boasts similar policy approaches. Still, there are some key differences between the Dutch and Venezuelan cases. In Oosterwold, there was no social support, as all of the involved residents are self-sustaining. In Ciudad Guayana (El Gallo) there was a need to provide people with a basic living condition and specific stimulation for social cohesion by building for example a community centre. What is interesting though is the combination of housing and agriculture on the plots, as part of being self-sufficient, as applied in Oosterwold, which is also often seen in the infill of the sites & services examples worldwide. In both cases it remains clear that self-organized urbanization needs government interference.

Jacqueline Tellinga

interesting thought. Of course, it would require a fundamental cultural change in our planning system and building legislation. The question is whether this will match our general dedication to legal certainties. Regardless, it would be a godsend for people with a modest income who are eager to embark on a DIY adventure.

Regarding the question of whether self-organisation on the scale of complete area development is possible, I would say: certainly. Oosterwold proves that sites & services can be achieved by residents, including the creation of an urban plan and road construction. For cross-border decisions (e.g., public transport), a government is useful. However, the Netherlands are still not accustomed - spatially or financially - to urban development with citizens as investors. The interests of citizens' initiatives remain also poorly represented in strategic decisions like drafting new planning policies and distributing development rights. Apparently these initiatives lack sufficient lobbying power. Professional builders – developers, housing associations and investors - are organised and wield dedicated government lobbies. It is discouraging that a civic lobby is even necessary, as citizens' interests should be represented via the Netherlands' democratic order.

Regarding the question of whether Oosterwold can be regarded as a Dutch example of aided self-help, I would say not. Oosterwold is subject to very different societal and financial conditions than the urbanisation of South America. In Oosterwold, the government has taken the step - knowing that health and safety are controlled by legislation - to leave the financing and development of a complete area to its residents. The government does as little as possible. In that sense, Homeruskwartier is a better comparison to the sites & services planning tool in Simone Rots' study. Private DIY-oriented individuals, earning less than € 36,000 a year, could buy affordable and ready-made plots in Homeruskwartier between 2009 and 2015, and the municipal investment costs for sites & services were recouped through land revenues. The houses needed to be finished within two years; we did not introduce a phasing on construction depending on people having money in the bank. But - who knows. As the housing shortage becomes more poignant, perhaps this will become a model for the Netherlands. The question is whether this would be a good sign. In other words, is the choice, in the absence of any alternative, a negative choice?

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