Strategic Planning and Policymaking for Shrinking Cities



RESEARCH FRAMEWORK

GROWTH

PLANNING WITH

SHRINKAGE In history, any city out-competed in its region in location, resources, work opportunities, or suffering from catastrophes can lose population. Once considered a deviation from the path of growth in traditional urban models, shrinkage is now re-conceptualised as a persisting phase in urban development in the context of demographic decline, economic crisis, resource depletion, etc.

STRATEGIC PLANNING arose as a response to the rigidness, over-precision and lack of innovation of statutory planning by making room for strategic thinking and decision-making in the planning process. It is more about exploring strategies establishing orientation and heighten the sense of preparedness, with a better grasp of the complexity — than making actual plans.

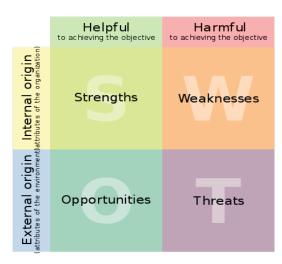


fig.1 SWOT analysis: a typical strategic planning technique

ECONOMY-CENTRED PARADIGMS Progress is measured by economic growth. Planning is oriented to growth of population and physical space. Mechanisms include growth coalitions at the city level and regional *cluster*.

The growth machine frames growth as the source of jobs and new facilities, but overlooks the costs of continued maintenance, externalities and fair distribution of benefits.

Competitiveness building is the central concern of strategic planning. Strategies are made to enhancing attractiveness for selective groups and heighten the efficiency for economic activities.

Degrowth and post-growth stress social and environmental aspects. Strategies involve consolidating existing space, public services co-production and temporary use. But they are mostly on vision and project design level.



What are the challenges for strategic planning in a context of shrinkage?

Four dimensions:

- The content of strategies: the goal of urban development, the situation and new resources
- Scientific knowledge of shrinkage: non-linear dynamics, interweaved processes and changing conventional thinking
- Re-scaling: engaging different scales of space and level of governance
- Strategy thinking: from linear, rational plan-making to more flexible, governance-based strategy making in response to uncertainties.

Traditional growth-oriented planning and policy-making does not produce progress as sure as before.

How should it be done differently when cities stop growing?

Is there a paradigm shift building up in strategic planning?

- There is critically reflection on the dominant paradigm of urban planning, calling for a paradigm shift.
- Two paradigms are distinguished: one economy-centred, growth-oriented, the other based on re-interpretation of progress with environmental and social focus.
- However, researchers lack the knowledge on how shrinkage is met in practice: the behaviour of actors and their methods and tools.
- A paradigm can researched in practice through tangible elements: planning scope, visions, theories, models, tools, procedures, products, etc.

What would shrinkage-aware strategic planning look like?

Hypotheses:

- Shrinkage concerns more than shrinking cities: uncertainties in growth and interdependencies between cities
- Perspective of shrinkage need to be integrated with other trends of urban development.
 - Strategies can range from response, to maintenance, and to active deployment
 - **Different contexts** national, regional and planning culture — offer different potentials for new paradigms and strategies.





SHRINKAGE AS A MECHANISM of urban development can be explored for benefits of sustainability and social progress.

The DIVERSITY OF SHRINKING CITIES means that some cities have more advantage to recover or transform, therefore inequality should be addressed.

THE REGIONAL SCALE could provide opportunity to balance growth and shrinkage, manage development risks, foster diversity of local identity, and maintain liveability in the territory.

How are shrinkage-inspired 'paradigms' received in practice?

Is paradigm changing in practice? What are the obstacle and potential for change?

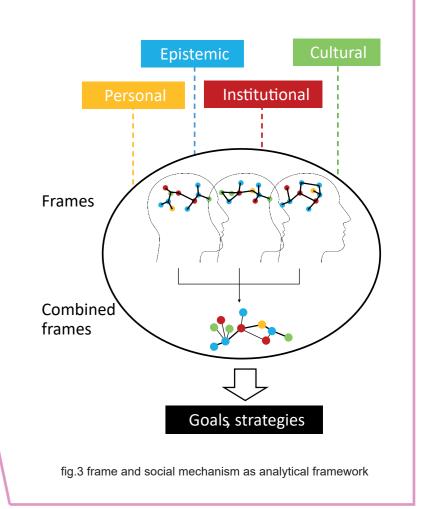
• Cultural aspect: actors' perception of shrinkage and the relation between growing and shrinking cities

cultural diversification

- Knowledge aspect: theories, models and tools that actors use to frame and respond to shrinkage
- Institutional aspect: ideology, established routines that influence the strategies towards shrinkage
- Personal aspect: actors' personal pursuits can push planning decisions in certain direction.

INTERNATIONAL COMPARATIVE CASE STUDY could reveal hidden factors underlying strategic decisions. It also provide wide range of context to explore the potential for new directions of planning with shrinkage.

A SOCIO-COGNITIVE PERSPECTIVE can be used to approach study of practice.



COMPARATIVE CASE STUDY

 Three medium-sized cities / urban settlements Different stories tied to their respective national and regional contexts -Distinct mechanisms of shrinkage –

Unique challenges

THE DUTCH CASE Fallen off the edge

The Dutch megalopolis is the country's economic engine and unique in the world. But for the cities just at the edge of it?

Population 55,604 (1,229 /km²)

- A key maritime base, mono-industrial and reliant on defense budget
- Shrinking for two decades due to national defense cut-backs and 'unattractive image'
- Location also a strong factor: at the northern tip of the province, outside of the megalopolis Randstad
- What is left from past glory? How can it compete with world-class cities in its neighbourhood? Can it find its new role at the edge of a booming region?

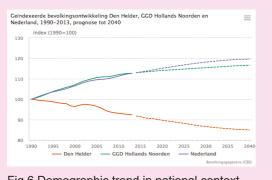


Fig.6 Demographic trend in national context



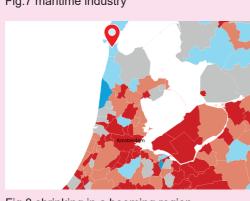


Fig.8 shrinking in a booming region

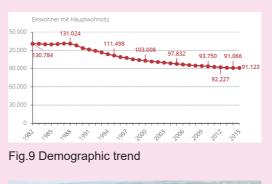
THE GERMAN CASE

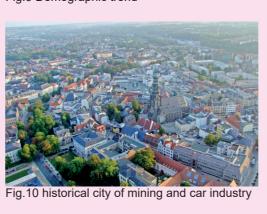
One drop in the sea (of shrinkage)

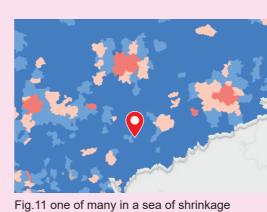
National scale exodus in peace time is a German story. The dramatic geography it left behind persists to this very day.

Population 90,515 (882 /km²)

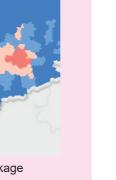
- Once the seat of culture and trade, now one of the many suffering from the turn of history
- An important node for the countryside because of the German central location planning model
- Economy went from metal mining, to coal mining, and to car industry; invariably, relying on skilled labour
- Can it capitalise on its past industrial heritage? Can small cities work together to reach the bright side of shrinkage?











THE CHINESE CASE

Ups and downs in the manufacturing hub

'Shenzhen speed' urbanisation is a Chinese invention. But fast growth has its instabilities; and even in the Delta, pockets of shrinkage exist.

WANGNIUDUN (part of Dongguan) population 86,200 (2,728 /km²)

- Located in the polycentric region of Pearl River Delta, world-class manufacturing centre
- The district's area compares to medium-sized European cities'
- Whole region is vulnerable to global economy conditions, with many periodically shrinking cities despite high rate of overall growth
- In a densely populated region, can such pockets of shrinkage create opportunity for livability and resilience?



Fig.12 A highly urbanised area





Figure credits

Fig. 3 by author

Fig. 1, 5, 7, 10 Wikimedia Commons Fig. 2 Schulz, C. (2018). Postwachstum in den Raumwissenschaften. Akademie fuer Raumforschung und Landesplanung. Nachrichten, 47(4), 11-14.

- Fig. 4 sachsen.de Fig. 6 by RIVM
- Fig. 8 visalisation by author, data from CBS Fig. 9 Timourou (2017). Wohnbedarfs- und Wohnbau-Flächenprognose der Stad Zwickau,
- Fig. 13 Du, ZW. et. al. (2019). Spatiotemporal Evolution and Influences of Urban Population Shrinkage in Guangdong Since 2000. Tropical Geography, 39(1): 20-28. Fig. 14 Du ZW, Li X (2017) Growth or shrinkage: New phenomena of regional development in the rapidly-urbanising Pearl River Delta. Acta Geographica Sinica,

Fig. 11 by BBSR

Fig. 12 dg.gov.cn

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