A new approach: participatory land consolidation

Why a new approach?

Trends & developments:

- Shift in responsibility from government to citizens
- Governmental budget cuts
- New technical solutions:
  - Increased availability
  - Accepted by users
- Demand for public participation from:
  - Governments
  - Citizens (broadly defined)
Types of land consolidation

- Rural land consolidation
- Urban land consolidation
- Regional land consolidation
- Environmental land consolidation
- Forestry land consolidation
- Voluntary re-allotment
- Formal land consolidation

Based on Demetriou (2014) and Law on the development of rural areas (2007)

The new approach applied

- Preparation
- Spatial plan
- Implementation

- Allotment barometer
- Rural land consolidation
- Urban land consolidation
- Voluntary re-allotment

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The allotment barometer

<table>
<thead>
<tr>
<th>What</th>
<th>Determines:</th>
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<tbody>
<tr>
<td></td>
<td>- Quality of agricultural parcel structure per area</td>
</tr>
<tr>
<td></td>
<td>- Indication of financial benefits after improvement</td>
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<thead>
<tr>
<th>How</th>
<th>Spatial multicriteria analysis:</th>
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<td>- Average % of parcel with farm buildings</td>
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<td></td>
<td>- Average % of parcels at a distance</td>
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<td>- Average number of parcels at a distance</td>
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<td>- Average size of parcels at a distance</td>
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<thead>
<tr>
<th>Why</th>
<th>To commence bottom up initiatives</th>
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<thead>
<tr>
<th>When</th>
<th>Launched in september 2013</th>
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The allotment barometer - example

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Rural land consolidation

- Formal process
- Participation:
  - Online (new)
  - Written
  - Oral
- Per phase an [instruction video](#) to support citizens with little Internet experience
- Advantages of online access:
  - Accessibility
  - Ease of use
  - Transparency
  - Increased functionality
  - Increased number of people actively involved

WEB-BASED PORTAL

![Diagram](image)

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Rural land consolidation

**Analogue form**

**Web-based portal**

Wensregistratie

Alternatief 1: Wens per perceel opgeven

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Voluntary re-allotment

- Participation on voluntary basis:

Red: not exchangeable
Green: exchangeable

wished by 3 persons
wished by 2 persons
wished by 1 person
Voluntary re-allotment

- Example Winterswijk Oost:
  - 7000 hectares
  - 123 parties involved
  - Around 450 hectares land has been exchanged
  - Duration about 1 year

Voluntary re-allotment

- Web-based portal used for preparation:
  - Registration of land lease
  - Registration of wishes regarding new allocation
- Design of reallocation plan with parties together
- Thus, combination of Internet and face to face contact
Urban land consolidation

- **Rationale:**
  
  "Land readjustment means putting those who want to develop in position"

- **Participation:**
  
  - Parties develop reallocation plan based on negotiations
  - Government approves plan

- **Law on urban land consolidation not yet available**

Example urban land consolidation (1)

- Restructuring of office buildings
- Exchanging tenants and office floor space

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Example urban land consolidation (2)

Situation before

Situation after

Example urban land consolidation (3)

- Chalet park Burgh Haamstede

Before

After
Conclusions

- New participation modes empower citizens
- Citizens have possibility to cocreate reallocation plan
- Mix and match of participation modes between different forms of land consolidation

![Diagram showing the relationship between Web-based portal, Cocreation of reallocation plan, Formal rural land consolidation, and Voluntary re-allotment.]