1 Introduction

Slovenia and Norway

<table>
<thead>
<tr>
<th></th>
<th>Slovenia (SI)</th>
<th>Norway (NO)</th>
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</thead>
<tbody>
<tr>
<td><strong>Total area</strong></td>
<td>20,273 km²</td>
<td>323,787 km²*</td>
</tr>
<tr>
<td><strong>Agricultural land</strong></td>
<td>27.8%</td>
<td>3.2%</td>
</tr>
<tr>
<td><strong>Forest</strong></td>
<td>66.0%</td>
<td>38.2%</td>
</tr>
<tr>
<td><strong>Barren land</strong></td>
<td>0.7%</td>
<td>44.4%</td>
</tr>
<tr>
<td><strong>Other land</strong></td>
<td>5.5%</td>
<td>14.2%</td>
</tr>
</tbody>
</table>

Other data:

- **Population (January 1, 2012)**: 2,052,496 vs. 4,985,500
- **Population density**: 99 inh./km² vs. 15 inh./km²
- **Arable land per capita**: 0.08 ha vs. 0.18 ha

**NATIONAL FOOD SECURITY**

*without Svalbard and Jan Mayen

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**Introduction**

**Slovenia – farms and settlement patterns**

- prevailing small private farms
- dispersed settlement patterns, large number of small settlements
- fragmentation of farms’ land

**Norway – farms and settlement patterns**

- prevailing single private farms
- heterogeneity of settlement patterns
- traditional farms with infields and outfields
Slovenia (SI) Norway (NO)

High relief diversity High relief diversity

Favourable climate Unfavourable climate
Mediterranean, Pannonian and Alpine Important influence: Golf Stream

Average farm size
6.3 ha of arable land 16 ha of arable land
22 agricultural land plots per farm Traditional single farms

Average arable land plot size
0.3 ha 1.5 ha

UNFAVOURABLE CONDITIONS FOR THE AGRICULTURE
History of the implementation of land consolidation in Slovenia:
- before the WWII: 772 ha
- 1. period after the WWII: 1945–1973: 1333 ha
- 2. period after the WWII: 1976–1990: 54,344 ha

Uncompleted projects in the beginning of 90s

Program of LC sanitation

New legislation in 1996 (Agricultural land Act)

Introduction of the land consolidation in Slovenia (1991-)
Source: Lisec et al. 2011

History of the implementation of land consolidation in Norway:
- Land consolidation legislation from 1821
- Land Consolidation Act 1857
  - Land consolidation Court – active work

The number of active farmers has been decreasing

Land Consolidation Act (1979)

Introduction of the cases at the Land Consolidation Court (1997-2006)
Source: Fernandez 2008
1 Introduction

2a Land consolidation in Slovenia

2b Land consolidation in Norway

3 Conclusion

**Land consolidation actors (SI)**

**Actors:**

- **Public authority with the LC commission**
  Responsible for the administrative procedure

- **Private surveying company**
  Implementation

- **Municipality**

- **Land owners**
  Active participation – individually and by land owners’ representatives

- **Ministry for agriculture**
  Decisions at the second level

  SMA and Land Registry at the final stage – registration of new situation

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**Land consolidation actors (NO)**

**Actors:**

- **Land Consolidation Court**
  Responsible for the administrative procedure

  Planning and Implementation

- **Land owners**
  Active participation

  Registration of new situation at the final stage in the Land Cadastre and Land Registry

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**Land Consolidation in Slovenia and Norway**

**Slovenia (SI)**

**Demanding phase**
- Owners of 67% land area (before 2011 – 80%)

**Application**
- Public Administration Office
- Formal provision

**Preparation**
- Introduction

**Execution**
- Private Licensed Surveyor
- Inventory
- Valuation
- Draft land consolidation plan

**Presentation to the parties**
- Public Administration Office
- Private Licensed Surveyor

**Final Land Consolidation Plan**
- Public Administration Office
- Private Licensed Surveyor

**Conclusion**
- Surveying, borders marking

**Norway (NO)**

**At least one beneficiary**
- Land Consolidation Court

**Conclusion**

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**LC study cases - Krog and Prigorica**

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<tr>
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<tbody>
<tr>
<td><strong>Area</strong></td>
<td>402 ha</td>
<td>400 ha</td>
</tr>
<tr>
<td><strong>Before LC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1132</td>
<td>4600</td>
</tr>
<tr>
<td><strong>After LC</strong></td>
<td>541</td>
<td>1160</td>
</tr>
<tr>
<td><strong>Average plot size</strong></td>
<td>3551 m²</td>
<td>867 m²</td>
</tr>
<tr>
<td><strong>Before LC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>After LC</strong></td>
<td>8147 m²</td>
<td>3444 m²</td>
</tr>
<tr>
<td><strong>Average number of land plots per land owner</strong></td>
<td>2,4</td>
<td>7</td>
</tr>
<tr>
<td><strong>Roads</strong></td>
<td>73.795 m²</td>
<td>12.350 m²</td>
</tr>
<tr>
<td><strong>Before LC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>After LC</strong></td>
<td>79.794 m²</td>
<td>62.116 m²</td>
</tr>
</tbody>
</table>
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2a Land consolidation in Slovenia

2b Land consolidation in Norway

3 Conclusion

Preparation: 2007
Introduction: 2008
Execution: 2008-2010
Appelas /
Conclusion 2010


1 Introduction 2a Land consolidation in Slovenia 2b Land consolidation in Norway 3 Conclusion

Introduction: 2001
Execution: 2001-2004
Conclusion 2004

Advantages of the Norwegian system:
- Successful LC projects in the past (less problems with the land fragmentation of the farms)
- Traditional institutional framework for LC in Norway, capacity building
- Competences of the Land Consolidation Courts (less actors)

(1) Land consolidation – highway construction, (2) Land fragmentation in Slovenia (Source: Lisec et al., 2011)
THANK YOU FOR YOUR ATTENTION!

The institutional framework of land consolidation – comparative analysis between Slovenia and Norway

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The research project has been supported by

University of Ljubljana
Faculty of Civil and Geodetic Engineering

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3 Conclusion

Land consolidation procedure (SI)

Application at the public administration office
Proposal of the land consolidation plan
Subscription of land owners (67%)

Introduction of land consolidation
Legal provision

Land consolidation execution
Inventory plan
Draft consolidation plan
Valuation

Land consolidation plan
Public hearing

Preparation phase
Notice in the Land Cadastre and Land Registry
By private licenced surveyor

Land consolidation procedure (SI)

1 Introduction
2a Land consolidation in Slovenia
2b Land consolidation in Norway
3 Conclusion

Agreement of the land owners

Final land consolidation plan
Formal adoption of the plan
Surveying of new borders

Possession of new land plots

Technical report

Entry in the Land Cadastre and Land Registry

Infrastructure construction

Conclusion

1 Introduction
2a Land consolidation in Slovenia
2b Land consolidation in Norway
3 Conclusion

Application at the Land Consolidation Court
At least one owner or owner of usefructs rights

Introduction of land consolidation
Formal decision

Land consolidation execution
By Land Consolidation Court

Inventory plan (mapping LC area)
Valuation
Draft consolidation plan

Presentation of the plan

Final Land consolidation plan
Formal adoption of the plan
Surveying of new borders

Conclusion