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Urban Sprawl vs. Invasive Cancer



Figure 1 Structural Similarities.





Figure 2 Similar Initiating Factors.

















Needs / Limitations

RESTRICTIONS, LIMITATIONS

NEEDS FOR NEW SPACE FOR URBANIZATION

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Built-up Land in Slovenia



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of built-up land





The Needs for Space for **Different Activities ...**

... are great and often exclude one another

Building of housing and social infrastructure Infrastructure Growing tourism Economic and business SOACA zones

Renewable energy

Protection of agricultural land

> Protection of water lands and nature protection areas







EU / National Commitments

- **EU Soil Strategy for 2030** vision: to achieve good soil condition and zero net land take by the year 2050
- National Environmental Protection Programme 2030 reduction of the net annual increase of built-up land by 25 % by the year 2030 and zero growth of built-up areas from 2050 onwards
- Spatial Development Strategy for Slovenia 2050 reducing the net annual growth of built-up land to 0 % by 2050

2030 25%

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2050 0%

Green Slovenian Location Framework SLO4D









GEO SLOVENIJA

SLO4D





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SLO4D



Green

The results of connecting space, environment, water and nature are key to achieving climate goals, supporting the circular economy, preserving ecosystems and biodiversity.

Slovenian

State spatial and environmental systems included, which are key for Slovenia.

Location Framework

The location represents the foundation of connecting the contents of space, environment, water and nature.

4D

Transition to the fourth dimension (time), "for digital", connected 4 key systems (space, environment, nature and water).



Circular Spatial Management Recycle Space Slovenia (RSS)









Needs / Limitations

RESTRICTIONS, LIMITATIONS

NEEDS FOR NEW SPACE FOR URBANIZATION

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Circular Spatial Management -Recycle Space Slovenia (RSS)

Slovenia has Great Potential for Circular Space Management

62%

of buildings built before 1980 1,070

degraded areas with a surface area of 3,225 hectares 152,200

empty dwellings

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Circular Spatial Management -Recycle Space Slovenia (RSS)

Principles of Circular Space Management



Revitalization of degraded areas (renovation, replacement).

2 Building on vacant building land inside settlements.



- Building on other building land.
- 4 Change of land use with considering compensatory measure.







Slovene SDI From INSPIRE to GEO Slovenia







Slovene SDI -From INSPIRE to GEO Slovenia

Slovene Spatial Data Infrastructure (SDI)

New SDI Strategy and Action Plan

- Poor OECD rating
- Bad IGIF spider web on soft parts
- A large amount of digitized databases
- Poorly described and accessible services

New SDI Vision

• To Become the **Pilot Region** in Europe on SDI field













The Way We Work

COOPERATION

SOFT SKILLS

AVAILABILITY

OPENNING

STRENGTHENING

CONNECTION











 $\overline{\Lambda}$

Nature







SLOVENIJA





Slovene SDI -From INSPIRE to GEO Slovenia

Why?



- Process optimization.
- Improved support for users in need of services from various sectors.
- Support for green transition Recycle Space Slovenia RSS.
- A tool for government that enables comprehensive approach and takes all factors into account.







Slovenia - Floods 2023 Real-life Infrastructure Use Case Finding suitable (safe) locations for alternative constructions









Črna na Koroškem, Slovenia August 2023









Digital Ortophoto



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SLO4D Of SLOVENIJA To Dostopnost

















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SLO4D













