



Experience with SEA and EIA in Industry sector in Slovenia

ECRAN regional training workshop in former Yugoslav
Republic of Macedonia Skopje, September 2016



This Project is funded by the European Union



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SEA and EIA in Slovenia

- **Implementation period:**
 - ✓ EIA since 1993
 - ✓ SEA since 2004
- Several corrections of legislation due to improper transposition.
- **System hierarchy:**
 - 1) SEA for the Spatial Plan
 - 2) EIA for the Project
 - 3) Voluntary environmental standards



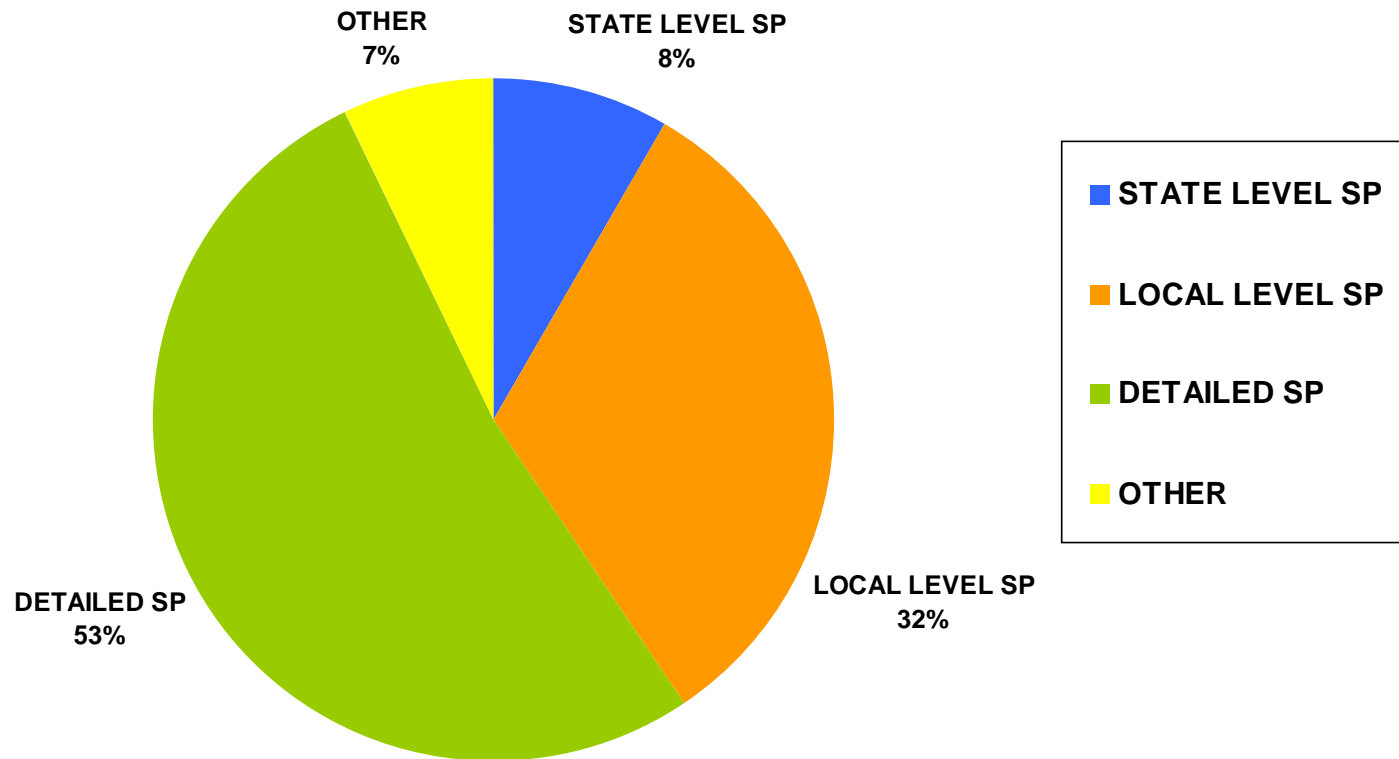
Spatial Planning in Slovenia

- **Spatial Planning was „re-set“** by a new Law on Spatial Planning in 2007.
- 3 levels of Spatial Plans:
 - State level Spatial Plans
 - Local level Spatial Plans (Municipal)
 - Detailed Spatial Plans (Development zones)
- All Spatial Plans undergo an **SEA screening procedure!**
- One criteria for screening procedure is linked to EIA type of projects.



SEA in Slovenia – Implementation

In Slovenia 93% of all SEAs are linked to Spatial Planning!



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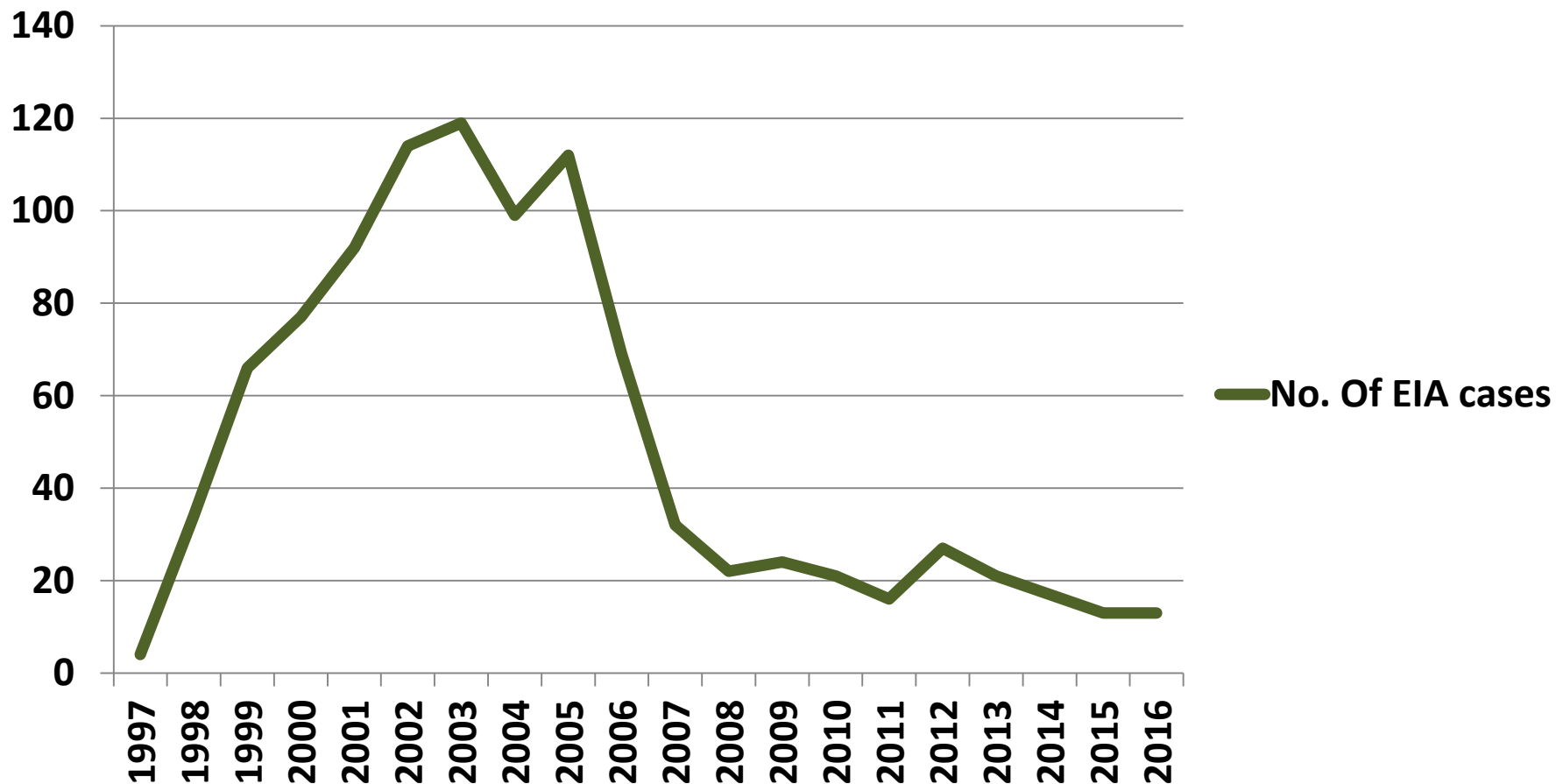
EIA in Slovenia – Industry sector

- Biggest industrial development has already happened:
 - ✓ „Austro-Hungarian“ period
 - ✓ „between WW“ period
 - ✓ „Yugoslavia“ period
- Today we mostly face the following types of projects:
 - ✓ New industry development zones (alongside highways, etc.)
 - ✓ „New“ industries on „old“ sites
 - ✓ Renewal and up-grade of „old“ industries



EIA in Slovenia – Implementation

No. of EIA cases in Slovenia

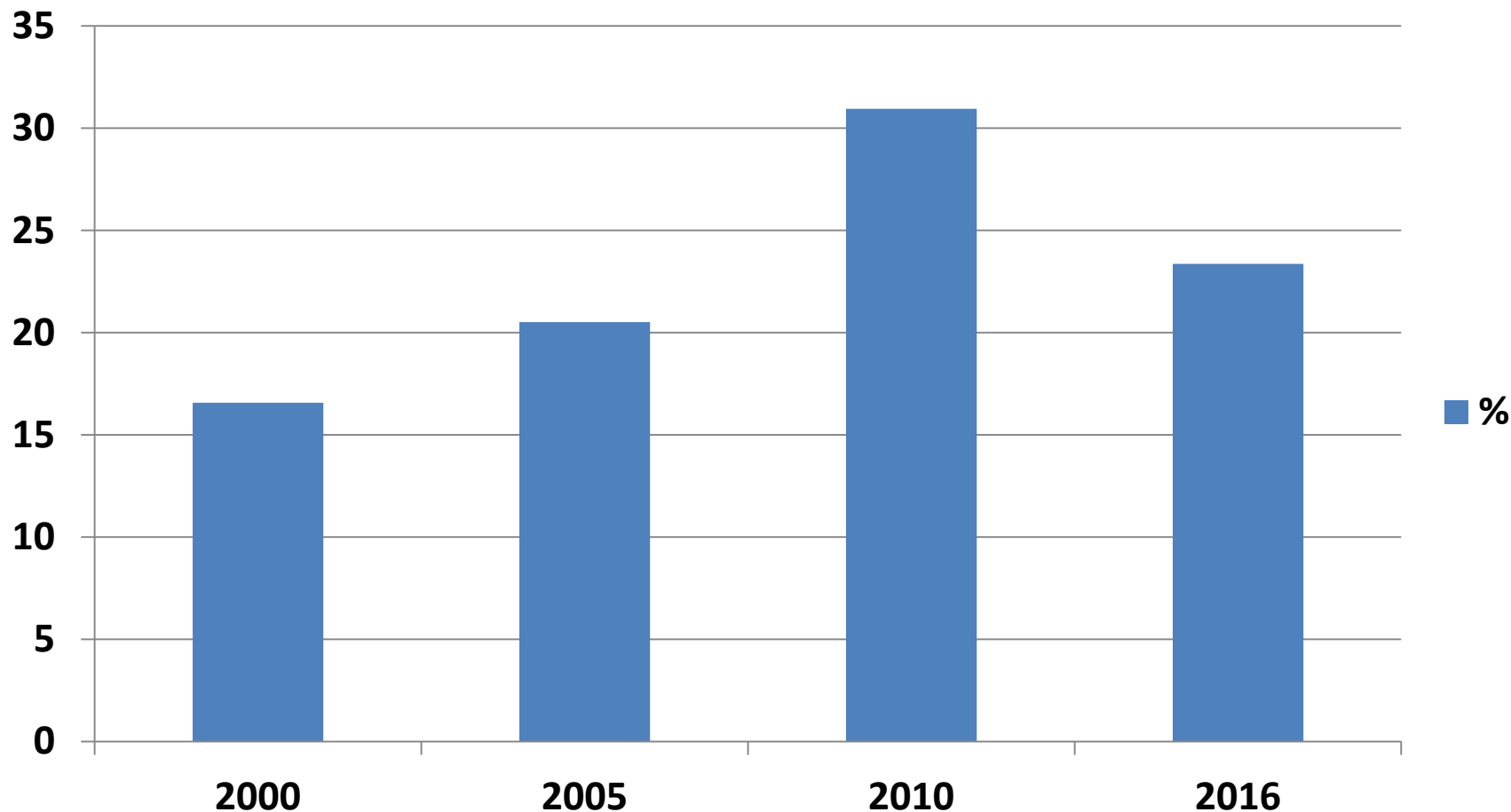


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EIA in Slovenia – Industry sector

% of EIA cases linked to the Industry sector



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SEA and EIA in Slovenia

What is it like to be an investor in the Industry sector in Slovenia?

- Change of the Spatial Plan (SEA) = **0** / **2-5** years
- Obtaining Environmental Permit = **1-2** years
- Building phase = **1** year

OPERATION AFTER 2-8 years



SEA and EIA system issues in Slovenia

- „Non-existing“ Regional level Spatial Planning.
- Lack of strategic and forward oriented thinking - „Investor dictated“ Spatial Planning.
- Only 50% of Slovenia covered by SP with SEA!
- Misunderstanding that Spatial Plan already presumes that the project was approved!
- Rare and inappropriate use of alternatives.
- Lack of capacity to focus on the most important topics.
- Lengthy procedures – also due to indecisiveness.





Case example – EIA for technological improvement of paper production facility in Količevo



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Renewal and up-grade of „old“ industries



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The overall project idea

- Količevo Karton d.o.o. is the biggest carton producer in the region (30% of European market).
- The whole industry is shifting towards using „cleaner raw materials“ and thus towards „cleaner products“.
- Renovation and up-grade of the production line is required.
- Carton production level will remain the same (674 t/day), but production of own raw materials will be increased (from 65 to 200 t/day).
- Ecological up-grade – noise reduction, increased energy efficiency, reduced water consumption.
- They have a valid EP and are IPPC type facility.



EIA findings

- EIA focused on the following issues:

	Impact during construction	Impact during operation
Water quality and consumption	No impact (0)	Positive impact (+)
Air pollution	Small impact (1)	Positive impact (+)
Waste treatment	Small impact (1)	Small impact (1)
Noise	Small impact (1)	Positive impact (+)

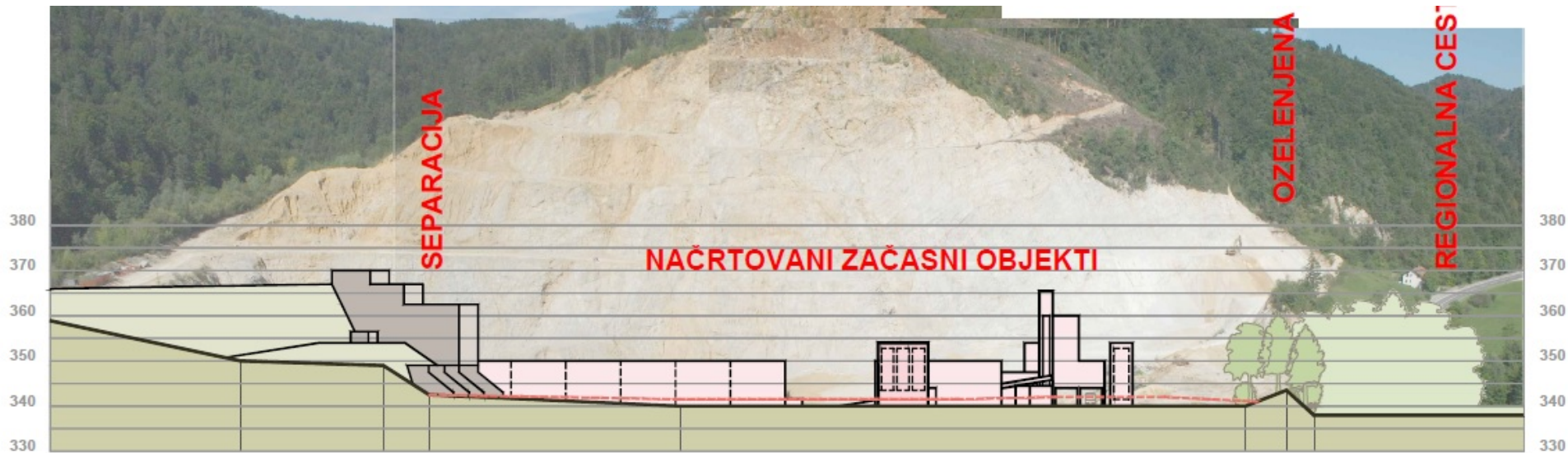
What was the added value of the EIA?



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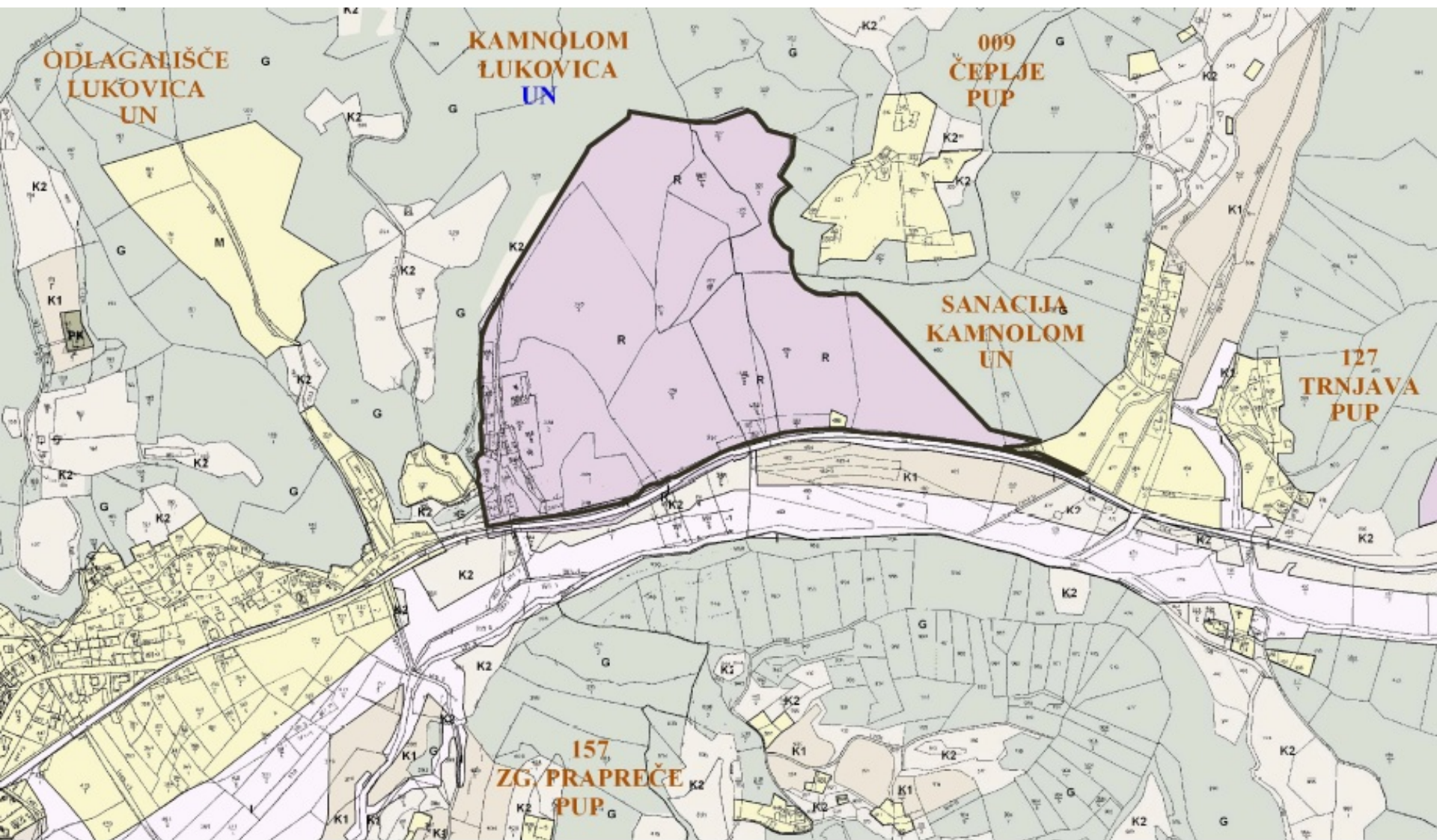


Case example – SEA and EIA for gravel separation, concrete and asphalt production facility



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Project background



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Project background



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Project background

- Existing mining area on relatively isolated location with existing detailed spatial plan – no SEA was carried out.
- Existing dolomite quarry with obtained EP (based on an EIA) and on-going dust, noise ground-water monitoring.
- Current excavation rate 200.000 t per year.
- Excellent spatial position – next to highway exit.
- Already developed sanitation plan.



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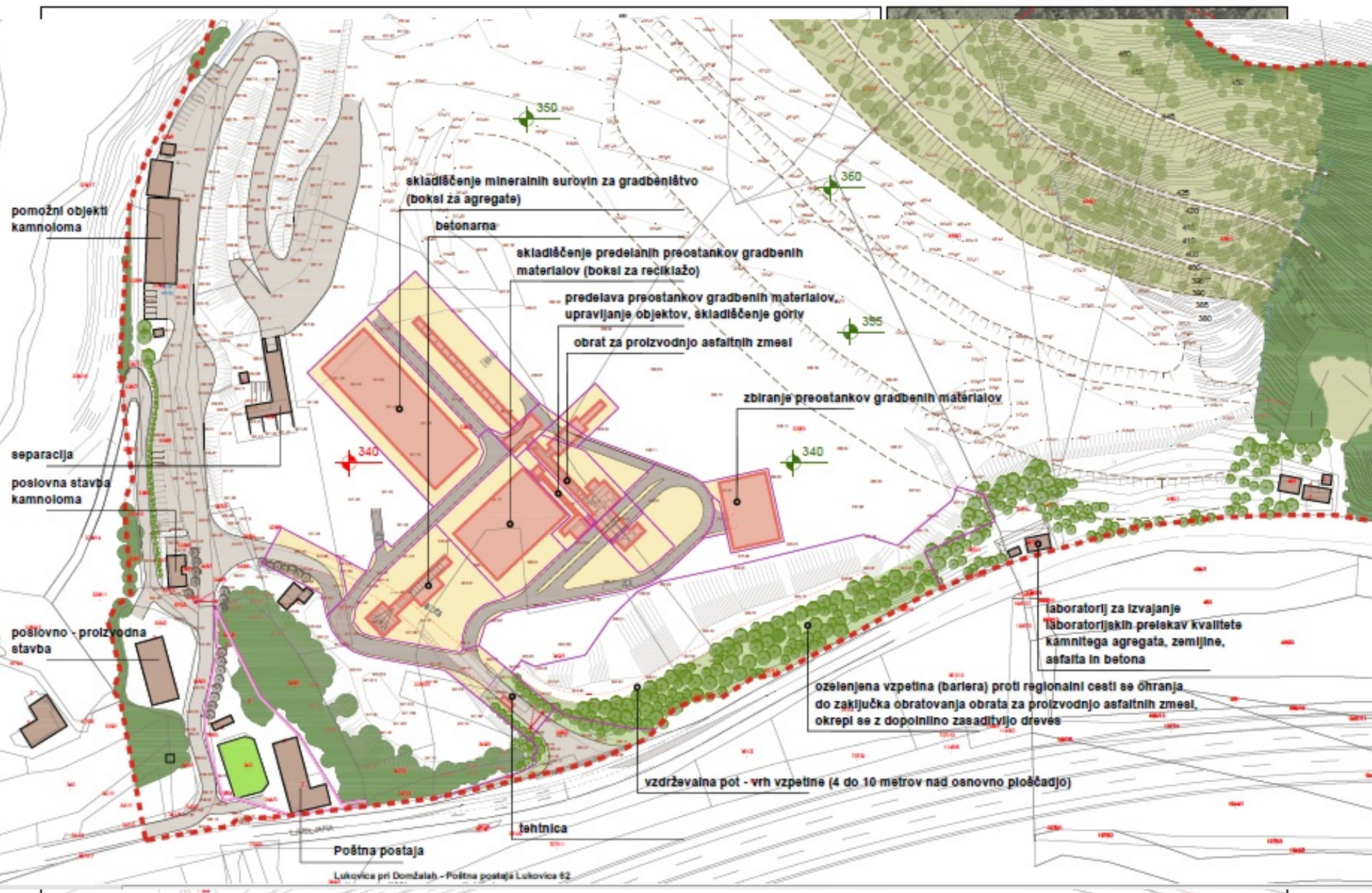
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The overall project idea

- Increased excavation rate to 300.000 t per year and thus reduced lifespan of the quarry (to 10 years).
- Improved gravel separation facility and depo-area.
- New concrete production facility (90 m³/h).
- New asphalt production and recycling facility (160 t/h).
- New construction waste recycling facility (depo + occasional crushing and sorting).
- Construction material laboratory.
- Improved sanitation plan – attractive programme on attractive location (only 25 km from Ljubljana close to the highway exit).



The overall project idea





Proposed sanitation plan

Current state of the environment

- In SE corner there is a cultural heritage building – an old Postal office building. No intervention is planned near.
- On W border there is a small stream (Rusov potok) which runs through concrete pipes on quarry area.
- No nature/flood/drinking water protection regimes.
- Ground-water level is 8 m bellow current quarry level.
- Nearest settled buildings are 200 m away (all are land owners on the quarry area).
- Increased traffic (for 50%) of heavy lorry's is expected
- Previous Minister of Environment and Spatial planning has just bought and renovated a house 500 m to SE.



Exercise

- 1) Please suggest key environmental and health issues related to described case example – **15 min.**
- 2) Please divide the key issues between SEA and EIA!
(You have to decide which topics are more relevant for SEA level and which for EIA level.) – **10 min.**
- 3) Please select 1 country which will present their findings in detail – **10 min.**
- 4) Please select 2 participants to moderate further discussion and build on results of the first country's presentation – **40 min.**

