

# STEP 1

## SCENARIO: Slovenian Security First

*Take in account as well nature, population, economical development, well being and international relations issues*



### Available material:

1. GEO3 scenarios for Europe
2. Current situation in Slovenia – *see step 0* –
3. Comparison with the situation 15 years ago – *see step 0* -

### Characteristics in this scenario for Slovenia : narrative

Waste

# STEP 1

## SCENARIO: Slovenian Sustainability First

*Take in account as well nature, population, economical development, well being and international relations issues*



### Available material:

4. GEO3 scenarios for Europe
  5. Current situation in Slovenia – *see step 0* –
  6. Comparison with the situation 15 years ago – *see step 0* -
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### Characteristics in this scenario for Slovenia : narrative

Waste

## STEP 2

Identify environmental and other impacts in two GEO3 scenarios

- check the list of impacts, identify other possible impacts, that are not listed
- identify trends of the impacts by scenarios



IMPACTS OF SCENARIOS TO WASTE ISSUES	Trends in scenario: Waste Slovenian SECURITY First	Trends in scenario: Waste Slovenian SUSTAINABILITY First
<p>Hazardous waste Generation</p> <p>Export import</p>	<p>→ Little technology development to prevent generation of h.w.</p>	<p>→ Higher ec. growth rate but more controlled generation and better treatment</p>
<p>Municipal waste Generation</p>	<p>↗ Because of low econ. growth rate, low treatment</p>	<p>↗ Higher ec. growth rate, but better treatment</p>

Waste







## STEP 2

Identify environmental and other impacts in two GEO3 scenarios

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IMPACTS OF SCENARIOS TO WASTE ISSUES	Trends in scenario: Waste Slovenian SECURITY First	Trends in scenario: Waste Slovenian SUSTAINABILITY First
Impact to well being		
Impact to biodiversity		
Information support	<ul style="list-style-type: none"> <li>o Only basic information on waste</li> <li>o on conflict in question (economical collapse, natural hazards, institutional disintegration), disaggregated information to cover all inequities that occur</li> </ul>	<ul style="list-style-type: none"> <li>o A lot of information on waste,</li> <li>o On technologies for treatment,</li> <li>o On consumption patterns</li> </ul>

Waste



Waste

## STEP 3a:

### Scenario: Slovenian Sustainability First

Identify Driving Forces

Available material:

- o GEO3 driving forces (to be elaborated more in detail for Slovenia), demography, economical development, human development, science & technology, governance, culture, environmental pressures and material from previous steps



DRIVING FORCES
Population growth
Social
Environment
Globalization



## STEP 3a:

### Scenario: Slovenian Security First

Identify Driving Forces

Available material:

- o GEO3 driving forces (to be elaborated more in detail for Slovenia), demography, economical development, human development, science & technology, governance, culture, environmental pressures and material from previous steps



#### DRIVING FORCES

Population growth – aging society: many people, elderly people, less youngsters, longer life expectancy at birth, a lot of problems can be solved with money...

Social – moderately increased inequities, because of favourable starting point and moderate poverty, destructed values, unemployment  
National interest prevail

Environmental degradation: global problems are not managed, focus on some local/national problems

Governance weak, becoming more centralised and than more effective.

Waste

**STEP 3b:**  
**Identify Goals**

**Scenario: Slovenian Security First**



**GOALS**

Improve cleaner/greener car/vehicle technology (less emissions)

**Waste**



**STEP 3b:**  
**Identify Goals**

**Scenario: Slovenian Sustainability First**



GOALS



**Waste**



## STEP 4:

### Identify Policy Options/Measures Scenario: Slovenian Security First



Policy Options/Measures
Allocate more public money for research and development/innovations on technology.
Allocate more public money for research and development/innovations on technology.

Waste

**STEP 4:**

**Identify Policy Options/Measures**

**Scenario: Slovenian Sustainability First**



Policy Options/Measures



## STEP 5:



**Confront all identified policy options/measures for scenarios from step 4 with current policy options/measures and identify gaps**

Current SI policy options/measures	Gap analyses: missing policy options/measures derived from 2 scenarios from workshop:
<u>Biodegradable waste</u> <ul style="list-style-type: none"><li>-Separate collection of waste</li><li>- Decrease disposal of biological waste</li><li>- Recycling and reuse of waste</li><li>- Treatment of waste residuals...</li><li>- reduce emissions of GHG</li></ul>	
<u>Hazardous waste</u> <ul style="list-style-type: none"><li>-Decreasing of generation of hazardous waste</li><li>-Management of hazardous waste based on the domestic capabilities and better network</li><li>-Final treatment of has.waste within EU if domestic capabilities don't exist</li><li>-Collect at least 1kg hazardous material per cap.</li></ul>	
<u>Municipal waste</u> <ul style="list-style-type: none"><li>-In densely populated areas ensure separate collection of waste: 1per 500 habitants</li><li>-Centres for separate waste collection (brought by individuals) in each municipality (in densely populated areas with 25000 inhab.) and in other agglomerations 1 per 60 000 inhabitants</li><li>-Establishment of separate collection of organic waste from restaurants and hotels and their treatment</li><li>-Establishment of biological treatments of waste (by households)</li></ul>	
<u>Packaging waste</u> <ul style="list-style-type: none"><li>-Recycling of packaging waste 50% by 2007 and 60% by 2012</li></ul>	
<u>Old cars</u> <ul style="list-style-type: none"><li>-Ensure 100% collection of used cars</li><li>-Reuse and recycle up to 95% by 2014</li><li>-Appropriate treatment of hazardous substances</li></ul>	

Waste

## STEP 5:



**Confront all identified policy options/measures for scenarios from step 4 with current policy options/measures and identify gaps**

<u>Packaging waste</u> <ul style="list-style-type: none"><li>-Public awareness about collection of hazardous waste</li><li>-Reduction of packaging generation</li><li>-Establishment of the system for packaging treatment and reuse</li></ul>
<u>Industrial waste</u> <ul style="list-style-type: none"><li>-Environmental permits and permits for emissions of GHG for all industrial appliances</li><li>-Closure of existing landfills (not fit to standards or costly to maintain)</li><li>-Reconstruction and expansion of existing landfills which fit to standards</li><li>-For big plants BAT</li></ul>
<u>Other policy options/measures:</u> <ul style="list-style-type: none"><li>-New infrastructure (regional waste treatment plants and national thermal treatment plants)</li><li>-Introduction of clean technologies (BAT) and pre treatment of waste</li><li>-Better efficiency of existing treatment plants, treatment close to generation and as much as possible regarding the volume of gen. waste</li><li>-Strategic environmental assessments</li><li>-Program for enhancement of environmental technologies for RS</li><li>-Participation to EU activities in this programme</li><li>-Revision of environmentally unfriendly subsidies</li><li>-Green procurement</li></ul>
Public awareness and participation Better environmental awareness
Monitoring and inspection
Enhancement of sustainable consumption and production <ul style="list-style-type: none"><li>-guidelines for sustainable consumption</li></ul>
Central centre for environmental information

**Waste**

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Waste