



**vito**

vision on technology

28/10/2009

**Steps for implementing the IPPC in a new  
EU Member State: Slovenian case**

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- » VITO BAT Centre
- » Twinning project
- » Pilot permit
- » IPPC Compliance
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Lake Bled - Slovenia

# Flanders (Belgium)



Densely populated  
Industrialised  
Regional environmental policy

# Slovenia



Similar size and population  
Industrialised

# VITO BAT-Centre

- **B**est **A**vailable **T**echniques
- Inventory of information on **environmental friendly techniques** :  
technology databases
- **D**istribution of the above information to
  - ✓ companies
  - ✓ authorities
- » **B**ridge between authorities and industry



# VITO BAT Centre

- » Supports **Belgian** authorities in
  - » Sevilla process
  - » IPPC implementation
- » Supports **DG ENV** in e.g.
  - » IPPC review, impact assessments
- » Supports **local authorities** in
  - » Local BAT-based permitting
  - » IPPC implementation

*Andalucia, Basque Country, Greece, Israel, Slovenia*

The screenshot shows the Emis website interface. At the top, there is a navigation bar with links for 'Vito', 'Home', 'Info', 'Sitemap', 'Print', and 'Maak van EMIS je startpagina'. Below this is a search bar with the text 'Zoeken in: Emis' and a search button. The main content area features a large image of a field with green plants. Below the image, there is a section titled 'VITO'S CENTRE FOR BEST AVAILABLE TECHNIQUES (BAT-CENTRE)' with a sub-header 'VITO'S BAT-centre supports authorities in the implementation of BAT and the European IPPC Directive through the evaluation and development of policy instruments.' This is followed by a paragraph explaining the center's role and a list of links for 'Overview of activities and contacts' and 'Overview of publications'. A contact information section lists 'Contact: Dr. Karl Vrancken - VITO: karl.vrancken@vito.be - Tel. +32 14 33 58 68'. Below this is another section titled 'THE BAT CENTRE AND BREFS' with a sub-header 'VITO's BAT Centre plays a prominent role in the "Sevilla-process", i.e. the exchange of information to put the IPPC directive into practice.' This is followed by a paragraph explaining the center's role in the input and output of information. On the left side, there is a vertical navigation menu with categories like 'ALGEMEEN', 'DATABANKEN', 'HELPDESK', and 'HULPDES'. On the right side, there are several widgets: 'NIEUW DEZE WEEK' with a date and count, 'Simulator' with icons for energy, sound, and air, and 'E-mail Nieuwsbrief' with a sign-up form.

# IPPC implementation in Slovenia

- » Twinning project: capacity building on IPPC
- » Eu-funded exchange of administrators
  
- » Goals
  - » Further insight in putting IPPC into practice
  - » Sharing experience and expertise
  - » Sustained relationship Belgium - Germany - Slovenia

# Twinning project: role of Belgium

- » Short term experts
  - » VITO's BAT-centre (IPPC experts)
  - » Environmental permit authorities
  - » Environmental inspectors
  - » Waste agency
  - » Ca. 100 mandays
  
- » Focus on “Belgian” permit for a Slovenian foundry (Livar)



# Twinning project: Overall Objective

» Assist Slovenian Ministry (MESp) in the implementation of IPPC

→ writing 4 pilot IPPC permits  
1 based on Flemish procedures

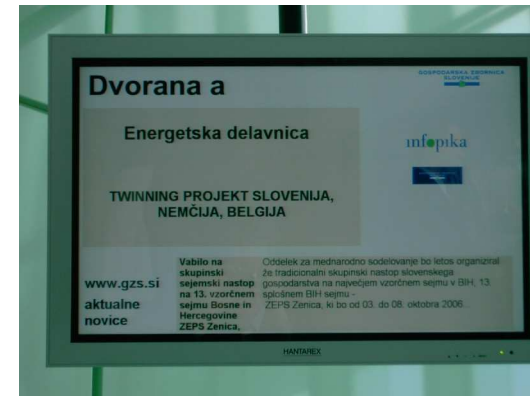
→ in collaboration with Germany

# Twinning project: Activities

- » Capacity building of civil servants:
  - » Preparation of application forms and guidelines for preparation of IPPC permit
  - » The use of BREFs
  - » Information management systems in relation to IPPC
  
- Workshops on these items
- On-the-job-training with pilot permits and set-up of Environmental Information System
  - focus on administrative working principles, introduction of BAT and application of BREFs

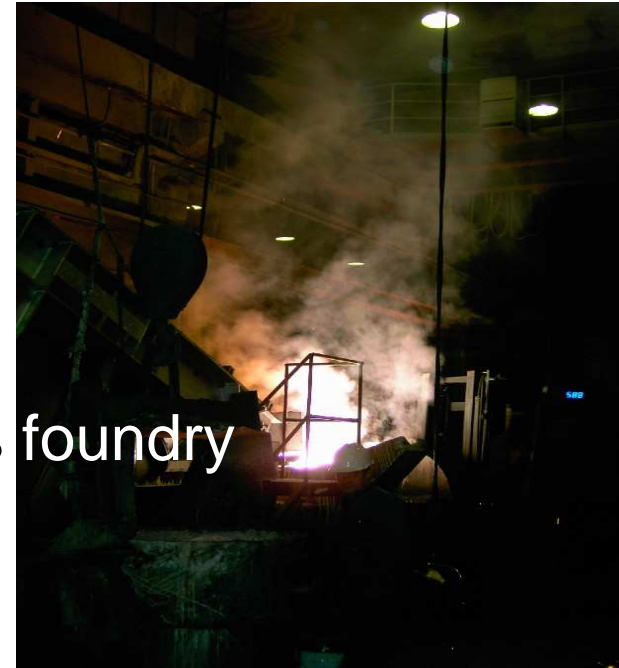
# Workshops

- » Permit application procedures
- » Using BREFs
- » Energy Efficiency
- » Check of compliance



# Pilot permit for foundries

- » Pilot industrial installation:
  - » IVANČNA GORICA: metal ferrous foundry
  - » Situated in LIVAR
  - » Capacity of > 180 ton per day
  - » equipped with
    - » 2 cold blast furnaces, 2 coreless induction furnaces, 1 holding furnace (induction furnace)
    - » green sand preparation and
    - » 2 cold box en 5 croning core production units



# Pilot permit for foundries

» The training program entailed the following steps:

1. On-site visits: check of IPPC compliance
2. Issuing of integrated pilot permits
3. On-site inspection
4. Set-up of IPPC web database



# IPPC compliance: BREF checklist

## IPPC-checklist for Foundries

- List 1: Prevention
- List 2: Reduction of air and water emissions
- List 3: Other than normal conditions of the company
- List 4: Waste prevention
- List 5: Rational use of energy
- List 6: Prevention of accidents
- List 7: Cessation of activities

### List 1 : Prevention

Subsector/Activity: waste water treatment

Technique nr	4018
Technique	keep waste water types separate according to their composition and pollutant load
Remarks	
Where applicable?	new and existing foundries
Ref BREF	5.1
Ref BBT	
Applicable in this installation	<input type="checkbox"/> Yes <input type="checkbox"/> No, because ...
If yes, applied yet?	<input type="checkbox"/> yes <input type="checkbox"/> No, planned in 20.. <input type="checkbox"/> No, and not planned yet, because ...
Data on achieved environmental benefits available?	<input type="checkbox"/> No <input type="checkbox"/> Yes, see annex
Remarks	

### List 1 : Prevention

Subsector/Activity: waste water treatment

Technique nr	4020
Technique	maximise the internal recycling of process water and the multiple use of treated waste water
Remarks	
Where applicable?	new and existing foundries

Full Screen  
Close Full Screen

# IPPC compliance: BREF checklist

- » BAT techniques
- » Ordered in logical themes
- » Fill-in form
- » Check:
  - » BAT associated emission levels
  - » Applicability
  - » Implementation
  - » Environmental benefits

# IPPC compliance: site visit

- » Main incomplianes:
  - » A lot of off-gases were not collected
  - » The IPPC action plan did not state specific implementation data for the BAT





# Issuing of integrated pilot permits

- » Based on Flemish procedure a pilot IPPC permit was drafted
- » Some recommendation for the permit procedure:
  - » Before starting the official permitting procedure the authority should counsel the applicant
  - » Involve other authorities to guarantee an effective integrated approach
  - » Involving external experts
  - » Emission limit values and BREF-documents: use of guidelines like Vlarem
  - » Exchange of information with the applicant

# On-site inspection

- » Use of Flemish Inspection checklist
- » Main conditionality:
  - » Livar did not have a detailed IPPC action plan
- » Recommendation on inspection procedure:
  - » More manpower in inspection unit needed
  - » Set-up yearly inspection plan
  - » Use of an inspection guideline as used in Flanders



# IPPC web database

## Objective:

- » refine the existing database management and information systems
- » meet the reporting requirements
  - » according to Article 15 (1) 'Access to information and public participation in the permit procedure' and Article 16 (1+3) 'Exchange of Information' of the IPPC Directive,
  - » concerning the European Pollutant Emission Register (EPER) (Article 15 (3))
- » improve the communication and flow of information between administrations and industries.

# IPPC web database

- » Public website with:
  - » IPPC installations
  - » Issues IPPC permits
  - » BREFs
  - » Links

<http://okolje.arso.gov.si/ippc/>

**Environmental protection**  
 Search this chapter  
  
 search

- ▶ IPPC
- ▶ Noise
- ▶ Waste
- ▶ Environmental impact assessment
- ▶ Radiation
- ▶ Soil

ARSO > environmental protection > IPPC

### IPPC

The website "IPPC – Integrated Pollution Prevention and Control" is intended for IPPC installation operators and the general public. It allows installation operators to:

- access information in relation to the environmental protection permit (reference documents, notices of the agency on education, seminars and workshops, and the possibility to ask questions)
- communicate more efficiently in the administrative procedures "Installation applications" and "Environmental protection permit applications"

Environmental noise is unwanted or harmful outdoor sound created by human activities, including noise emitted by means of transport – road traffic, rail traffic and air traffic – and by outdoor installations from sites of industrial activity, such as installations for which an environmental protection permit is required. Sources of environmental noise pollution are:

- motorways, expressways, main roads I and II, regional roads I, II and III, and roads with more than one million vehicles a year
- major railways and regional railways, including associated railway stations
- airports and helicopter airfields
- ports, warehouses or other open spaces for the transshipment of cargo
- open parking areas with more than one million vehicles a year, excluding those in accordance with the regulation governing public roads, motorway sections, expressways, main roads I and II, or regional roads I, II and III
- installations whose operation causes permanent or temporary environmental noise due to the performance of industrial, craft, production, service and similar activities, or production activity in agriculture or forestry. Such an installation may also be a structure for the exploitation or processing of mineral resources, a shooting range or test area for the removal of unexploded ordnance, a venue for sports or other public events, a vessel at anchor producing noise due to the performance of production or service activities, a catering or entertainment facility that uses sound devices and is located in an unenclosed or uncovered space, or an unenclosed or uncovered construction site or entertainment facility (e.g. a racetrack, roundabout or sports shooting range). A catering or entertainment facility for which an environmental protection permit is required on the basis of criteria set out in Article 15 of this regulation is also considered an



## IPPC

- ▶ [Aktualno](#)
- ▶ [Predstavitev](#)
- ▶ [Zakonodaja](#)
- ▶ [IPPC register](#)
- ▶ [Referenčni dokumenti](#)
- ▶ [Dogodki](#)
- ▶ [FAQ](#)
- ▶ [NRT tehnike](#)
- ▶ [Virtualna knjižnica](#)
- ▶ [Povezave](#)
- ▶ [Obrazci z navodili](#)
- ▶ [IPPC uporabniki](#)
- ▶ [IPPC Twinning projekt](#)
- ▶ [Kontakt](#)

ARSD &gt; ippc &gt; novice

### Novice

17.6.2008

[Javno naznanilo KNAUF INSULATION d.d.](#)

V rubriki [Dogodki/Javna naznanila](#) je objavljeno Javno naznanilo v postopku izdaje odločbe o spremembi okoljevarstvenega dovoljenja in okoljevarstvenega soglasja stranki – KNAUF INSULATION d.d. industrija termičnih izolacij Škofja Loka, Trata 32, 4220 Škofja Loka.

13.6.2008

[Seznam izdanih dovoljenj v mesecu juniju 2008](#)

- [Palfinger d.o.o.](#), Jaskova 18, 2001 Maribor
- [GORENJE NOTRANJA OPREMA, d.o.o.](#), Partizanska 12, 3320 Velenje

Seznam vseh izdanih odločb se nahaja v rubriki [IPPC register/Seznam izdanih odločb!](#)

Najnovejša obvestila o izdanih dovoljenjih se nahajajo v rubriki [Dogodki/Obvestila in javna naznanila!](#)

2.6.2008

[Seznam izdanih dovoljenj v mesecu maju 2008](#)

- [Swaty tovarna umetnih brusov d.d.](#), Titova cesta 60, 2000 Maribor

Seznam vseh izdanih odločb se nahaja v rubriki [IPPC register/Seznam izdanih odločb!](#)

Najnovejša obvestila o izdanih dovoljenjih se nahajajo v rubriki [Dogodki/Obvestila in javna naznanila!](#)

# IPPC web database

- » Internal authority website as tool for permit writers and inspectors with:
  - » IPPC activity code
  - » Capacity data
  - » Emission limit values
  - » Energy and materials consumption
  - » Seveso / Natura

# IPPC web database

Upravljalci in industrijski kompleksi - Windows Internet Explorer

AGENCIJA REPUBLIKE SLOVENIJE ZA OKOLJE IPPC GSAJN | Odjava

Glavni meni Upravljavec Poročila in izpisi Šifranti Opozorila Administracija

**Upravljavec**

Iskanje Prekliči

Iskanje po:  Upravljavcu  Industrijskem kompleksu

Št. upravljavca %  
 Ime %  
 Naziv %  
 Ulica %  
 Pošta %

Priimek %  
 Kratek naziv %  
 Hišna številka %  
 Naselje % Iskanje

**Upravljavci** Dodaj zapis

Št. uprav. ▲	Ime	Priimek	Ime obrti	Naziv	Kratek naziv	Ulica	Naselje	Briši	Izberi
00000				Polno ime 222	Kratko ime 222	Ulica 222 22A	1000 Ljubljana	✗	✓
11111				LJUBLJANSKE MLEKARNE d.d.		Tolstojeva ulica 63	1000 Ljubljana	✗	✓
22222	Ime 22222	Priimek 22222						✗	✓
33333				Livarna Gorica d.o.o.	LIGO	Cesta IX.korpusa 116	5250 Solkan	✗	✓
44444	Ime	Priimek	Ime obrti			Ulica 333 33 A	1000 Ljubljana	✗	✓
54321				Industrija manšetnih gumbov d.o.o., Maribor	Manšeta d.o.o.	Štajerska ulica 5	2000 Maribor	✗	✓
55555	55555	55555	55555			Ulica 222 A	1000 Ljubljana	✗	✓

1 - 7



# Conclusions

- » Effective **capacity building** through intensive exchange of information and ideas
- » **Learning** process for Slovenian and Belgian participants
- » Input from 2 states allows to set-up **own Slovenian system**
- » Established **good relationship** between MSs



# Information

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