



Twinning Project IL/11

Implementation and Strengthening the Environmental Framework for
IPPC, Resource Efficiency and Eco-Management in Israel



Support to the Israeli Ministry of Environmental Protection in improving and modernizing environmental regulatory and management tools for the Israeli industry – Regulatory tools for SMEs, Resource efficiency, Eco-Management and Audit Scheme

**Monika Brom and Fritz Kroiss,
Environment Agency Austria**

22.05.2017





Content of presentation

- Starting point – description of project and Component 2
- Outcomes of the Component 2
 - Purpose of the manual
 - Content and structure of the manual
- Discussion of deliveries provided by companies





Overall goal of this Twinning project:

“The overall objective of this Twinning project is, to contribute to sustainable development and green growth by effectively implementing a modernized environmental regulatory and management framework.”

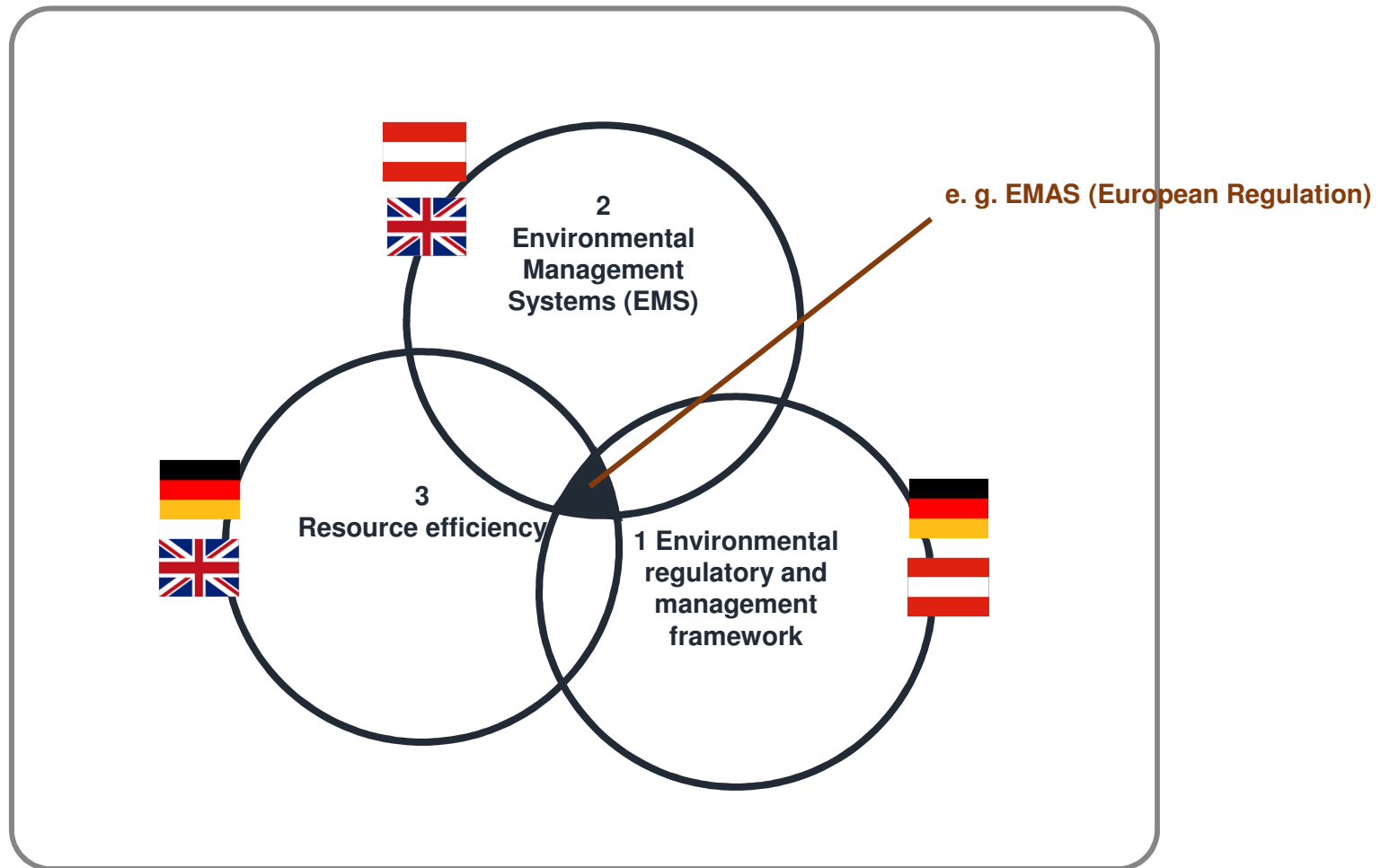
Description of Component 2

“Support and guidance of MoEP and workshops/ training sessions held with regard to EMAS and its comparison with other eco-management and audit schemes”





Integrated Implementation of Project Components





Purpose of the manual

- Air permit emissions holders under Clean Air Act are required to have an environmental management system
- There is no definition in the law what does that exactly mean
- Manual for companies and the ministry (MOEP) to define requirements and give advice for the implementation of requirements





Manual - Content

- Definitions and explanation what is EMS?
- Documents to be provided by operator
 - Definition of three different cases
- Part for authorities
 - Competences and skills
 - Surveillance Issues
- Annexes





Documents provided by the operator

- Definition of three different cases
 - Operator got ISO 14001 certification in place
 - ISO 14001 without external certification (= self-declaration or non accredited certificate)
 - No EMS (ISO 14001 System) in place





Operator with ISO 14001 certification

- Documents to be provided
 - Certificate (requirements elaborated in the manual)
 - Audit report (content is described in the manual)





Operator with ISO 14001 self declaration

- Documents to be provided
 - Self declaration (requirements elaborated in the manual)
 - Audit report (content is described in the manual)





Operator with no EMS (no environmental management system in place)

- Documents to be provided
 - Legal compliance procedure
 - Inventory of environmental requirements (legal matrix)
 - Information about environmental performance





Legal compliance procedure

Objectives of the process:

- Ensuring compliance with requirements
- Detecting legal and operational environmental risks
- Raising awareness in the installation for environmental issues
- Nomination of a responsible person to control and monitor compliance with requirements
- Sufficient authority of this person inside the organisation for performing this task (e.g. reporting line to the senior management, ensuring corrective action)





Mapping of relevant legal requirements

- Identification and assessment of legal requirements, and requirements of the permits given to the installation
- Mapping of guiding standards, quality protocols, internal procedures which support compliance.
- Mapping of all leniencies given to site by the authority.
- Mapping of environmental instructions agreed upon with the Water and Sewage Corporation on discharge of wastewater from site to public sewage system
- other relevant issues





Inventory of environmental requirements (legal matrix)

Legal requirements include the following:

- Laws – legislated by the Knesset (Israeli Parliament) for different environmental topics;
- Ordinances – implemented by the responsible minister pursuant to law. They detail the legal requirements of the law on different issues;
- Requirements in permits and licenses





Sources of information for inventory of environmental requirements (legal matrix)

- Environmental legislation on different issues can be seen at the MoEP website:

[חוקים ותקנות > מאגרי מידע > מידע ושירותים > דף הבית](#)

<http://www.sviva.gov.il/InfoServices/ReservoirInfo/Legislation/Pages/default.aspx>

- In addition, the Knesset website has a diagram of all of Israel's laws and the derived ordinances. This list can be segmented by topics, including "environmental protection":

<http://main.knesset.gov.il/Activity/Legislation/Laws/Pages/lawhome.aspx>





Development of the inventory step by step

From the list of laws mentioned above and the licenses and permits issued for the installation, the operator of the installation shall develop a list of legislation with a specification of the requirements to be fulfilled which are directly applying to its activities.

The table includes, for every requirement, the following details:

- Topic of requirement; sources (of the law, ordinances or permit, number of paragraph), quote of requirement;
- Essence of requirement
- Way of implementation of requirement; date of implementation.





Form of the matrix – small organisations

For small organisations a simple legal compliance evaluation may be sufficient. In this case the elements of the legal matrix would be:

Applicable environmental legislation	Specific requirement	Status of the organisation (level of compliance achievement)	Result/Action
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Form of the matrix – bigger organisations

For more complex organisations the legal matrix could consist of the following elements:

No	Topic	Source of requirement (Law/ Ordinance/ Permit)	Quote	Regulator	Essence of requirement	Type of implementation	Date of implementation (until date/ once every...)	Type of check	Frequency of check	Comments	Findings of check	Recommendation for further action
1	Asbestos	Law of Prevention of Asbestos Hazards	5 (a) The owner of an industrial installation shall stop using existing brittle asbestos	MoEP	Removal of brittle asbestos from installation and storing	There is Excel-based knowledge of facilities in installation containing brittle asbestos ...	Until 5.8.2021					





Carrying out checks

- Site visit for QA check of infrastructure, equipment and control equipment
- Interviews with employees on day-to-day management
- Check of documents, like monitoring reports, receipts of waste removal, records of control system, records of maintenance, documentation of calibration etc.
- Review of accidents and incident response during last period.
- Review of environmental performance during last period.
- Record of check results
- Proposal of action program to fix non-compliances.





Elements of an action plan

- Identifying and correcting the case;
- Investigating the cause and effects of the case;
- Evaluating the need for action to avoid recurrence;
- Recording the results of corrective action taken;
- Evaluating the need for measures to prevent future cases of non-conformity/non-compliance;
- Implementing appropriate preventive action to avoid such cases; and
- Reviewing the effectiveness of corrective and preventive action.





Information on Environmental Performance

- Environmental Aspects
 - Direct, indirect
 - Assessment
- Environmental indicators (acc. ISO 14031, EMAS Regulation)
- Report (Principles, Assurance/ Validation)





Environmental Aspects

- Direct Aspects
 - Air emissions, water emissions, waste, use of natural resources and raw materials
- Indirect Aspects
 - Product related issues, capital investment, insurance services, administrative and planning decisions, en. Performance of suppliers and subcontractors, etc.
- Assessment
 - Assessing criteria (affect on the environment, magnitude, severity, frequency, public awareness, etc.)





Environmental indicators (acc. ISO 14031, EMAS Regulation)

- Categorisation acc. to ISO 14031
 - OPIs, MPIs and ECIs (operational, management- and environmental condition)
- Core Indicators according to EMAS Regulation
 - Measurement of performance in the key areas such as energy, water, material, waste, Land use, emissions





Environmental indicators - Examples

- Core Indicators according to EMAS Regulation
 - Total annual water consumption in m³ per total annual output (f.e. 100m³/employee or tonne of product)
 - Tonnes of CO₂ equivalent/ tonne of product
 - Tonnes of waste/employee or tonnes of waste per tonne of product





Report (Principles, Assurance/ Validation)

- Principles of Reporting
 - materiality, completeness, transparency, accountability, credibility, responsiveness
- Assurance
 - Assurance framework, key qualities of assurance
 - Example: validation acc. to EMAS





Part for authorities

- Competences and skills
 - Audit procedures, techniques
- Surveillance methods
 - How inspections should be carried out in the 3 different cases





Annexes

- Relevant Environmental Laws and Regulations for industries
- Licenses/Permits/Certificates needed for industrial activities
- Relevant European Laws and Regulations
- Link to International treaties and conventions
- List of Air permit emissions holders under Clean Air Act





Thank you for your attention!

תודה רבה

Environment Agency Austria

Monika Brom

monika.brom@umweltbundesamt.at

Fritz Kroiss

fritz.kroiss@umweltbundesamt.at





Discussion

- Documents to be provided by the operators (feasibility?)
- Possible amendments of the manual
- Surveillance measures

