

SUSTAINABLE DEVELOPMENT – LOCAL AGENDA 21,
PUBLIC PARTICIPATION, ECONOMIC PERSPECTIVES AND
ENVIRONMENTAL MANAGEMENT –

WORKSHOP 29.-30. AUGUST 2005 IN POZNAN / POLAND

Communal Environment Management

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Advantages for the Communes - Integration of Environmental Management into the Process of regional Agenda 21

- Program for the integration von operational und communal environmental protection and sustainable management of natural resources (= Contribution to a global sustainable development)
- Integration of communes and economy businesses in a sustainable management
- Higher quality of life and environment
- More conscious behavior and less environmental damages
- Increased economicalness of the communes and creation of additional economy potentials in the region
- Political reliability and higher acceptance in the public
- Increase of the attractiveness of the region - support of the tourism

Advantages for the participatory organizations: Assessment of environment aspects

- Controlling and continuous improvement
 - Internal environment protective measures
 - Motivation
 - Ecological optimization with the product development's risk precautions
 - Definition of endangering potentials by risk consideration
- Certainty of law
 - Creation of assessment bases for potential environment damages and avoidance of risks
 - Long-term analysis of the environmental influences and derivation from consequences (measures)

Advantages for the participatory organizations: Assessment of environment aspects

- Increased economy
 - How do I save money?
 - How I can I increase the efficiency of my enterprise by environmental protection?
- Improved competitiveness (national, EU, world market)
 - Increase of the image in the public (use of the logo)
 - Higher customer acceptance
 - Opening up of new markets and customers
- **Concrete cost saving in the result of the operations review**
- **Social responsibility -- improvement in the image**

ENVIRONMENTAL MANAGEMENT

Declared belief in the active environmental protection

Sustainable management of the **environment aspects** with the aim of an improvement in the economic and ecological conditions of life of the people.

Instruments

- Audit [Eko-Audit, environment audit, social audit, sustainable audit, legal compliance audit, performance audit, system audit]
- Benchmarking [eko-benchmarking]
- Report [Environment report, -statement, sustainable report]
- Operational environment information system [OEIS]
- Controlling [eko-controlling, environment-controlling, integrated controlling, sustainable-controlling]
- Certificate trade of emissions
- Environmental Shareholder Value [added value]
- Risk analysis
- Substance or material flow analysis
- Total Quality Environmental Management [TQEM]
- EMS [EMAS, DIN EN ISO 14001] und QM [DIN EN ISO 9001]

Direct environment aspects

- Emissions in the atmosphere,
- Leakage of chemicals into the water,
- Avoidance, utilization, reuse and waste management of solid and other waste, particularly dangerous waste,
- Use and pollution of the soil,
- Use of natural resources and raw materials (including energy)
- Local phenomena (noise, concussion, smell, dust, esthetic impairments etc.)
- Traffic
- Dangers of environment accidents and of environment consequences caused by accidents or potential emergency situations
- Effects on the biodiversity

Indirect environment aspects

- Product obtained consequences (development, packing, transport, waste management, ...)
- Capital investments, loan award and insurance services
- New markets
- Choice and composition of services
- Administration and planning decisions
- Composition of the range of product
- Environment performance and environment behavior of contractors, subcontractors and suppliers.

Planning of a Communal EMS

CONSTRUCTION OF A
CONCEPT

REPRESENTATION OF
THE CONCEPT

CHOICE OF A SUITABLE
LOCATION

PROJECT PLAN

OFFER AND ORDER

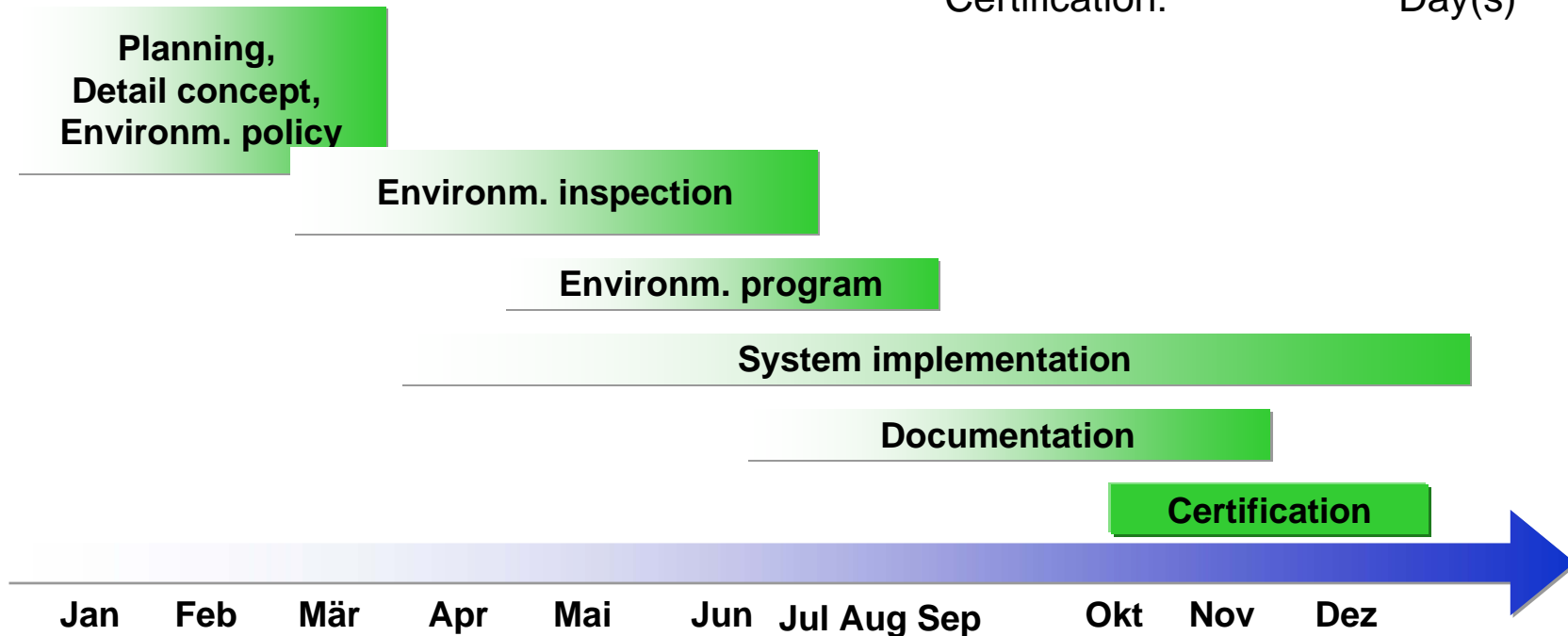
Orientation phase:

1. Inspection of the locations
2. First assesement of the scope of the work
3. Draft of a rough conception
4. Preliminary meetings and detail concept
5. Presentation of the detail concept
6. Building a project plan in form of an execution planning

Time frame for the planning: Approx. 3 months

Realisation

Complete time period:	1 year
Planning period:	3 months
Environmental test:	4 months
Environmental policies:	3 months
System implementation:	8 months
Documentation:	5 months
Certification:	Day(s)



How we proceed in an communal EMS project ...

- | | |
|--|--|
| Making an audit-plan and wording the ecological policy | We lead in the systematic of the EMS and offer support at the wording of the ecological policy as well as the planning of the implementation of the system |
| Environment Test (Stock-taking) | We support at the execution of the 1st environment test also under use of individually system solutions |
| Development of the EMS | Recorded data are used to the planning of the environment aims and the program and serve as basis for the environment manual. We support the audit team at the further development of the construction and structuring of operations and the internal communication. |
| Environm. explanation, management review, pre-audit | We support in the wording of a valid environment explanation, in the management review and we guide you through the pre-audit up to the validation/certification. |

I. Consulting / training in seminars

- Instruments of an effective operational ecological policy
- Environment management
- Legal requests, environment law
- Substance current analysis and eco-balance sheet
- Energy industry
- Pollution protection, prevention of water pollution, waste management
- Environment hygiene, maintenance of industrial health and safety standards and safety of plants
- Product integrated environmental protection
- Environment aims and measures

Analysis of the environment obtained operating costs and corporate structures

- Operational weak-points analysis -- energy, waters, sewage, emissions,
- Observation of the processes, product responsibility,
- Substance current analysis,
- Environmental policies and documentation,
- Acquirement of possible solution concepts to the resource saving and cost reduction,
- individual preparation on the certification.

Certification

EMS has to be in function for a minimal time periode of 3 months. Testing and validation of the system and the documentation carried out by a state authorized environment expert. Registration of the EMS.

- Certification DIN ISO 14001
- Validation EMAS

Our performances in the context of this project sponsored by the EU

- Guideline „communal environment management" in Engl. language
- Singles consultant service for interested communes



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Thank you for your attention!

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