

OECD Capacity building event on information systems

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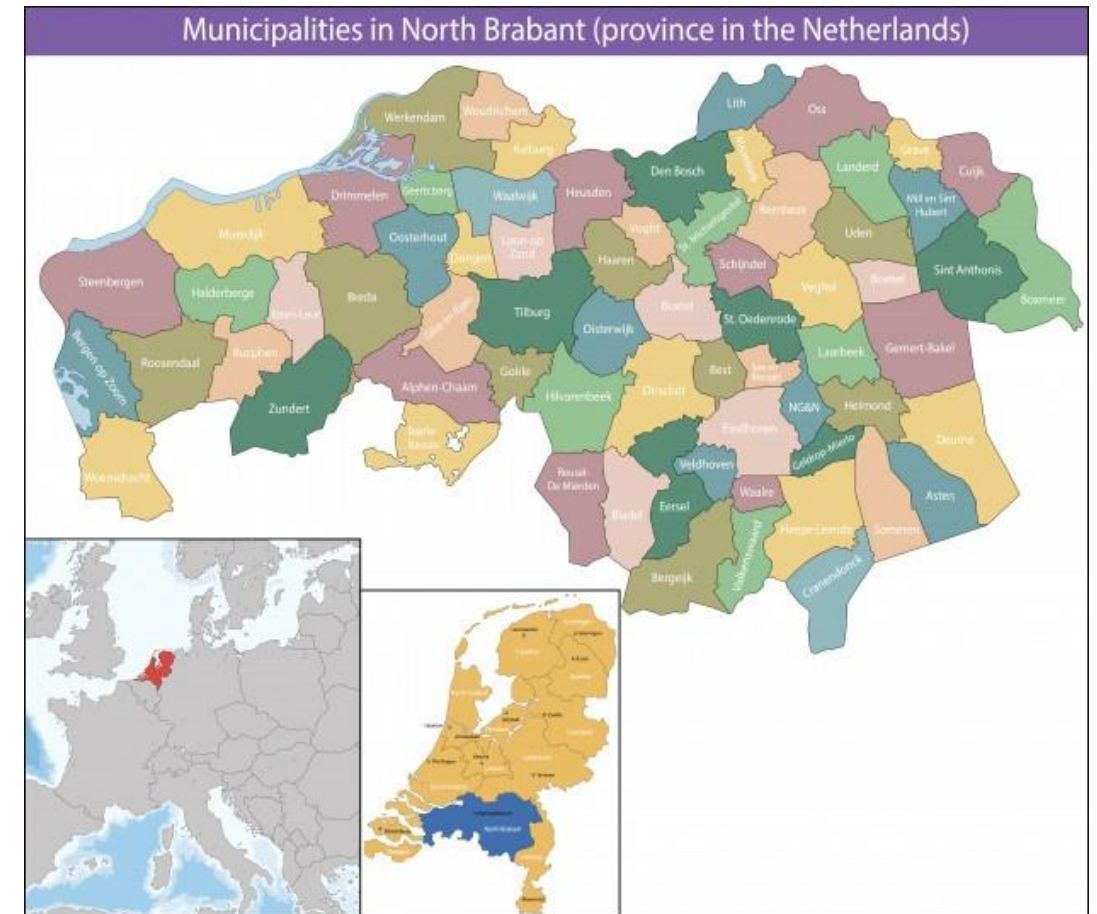
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Omgevingsdienst Midden- en West-Brabant

- **One of 29** environmental agencies in the Netherlands
- **One of 6** environmental agencies specialized in high-risk companies (BRZO)
- We work for **25** municipalities and the province of Noord-Brabant
- **350** employees
- **31600** companies, with high diversity (heavy industry but also a lot of Agriculture / livestock farms)



The more we know about our environment, the higher the positive effect we can have on it

How our environmental information system helps us to achieve this.



Our main environmental information system

Three core components

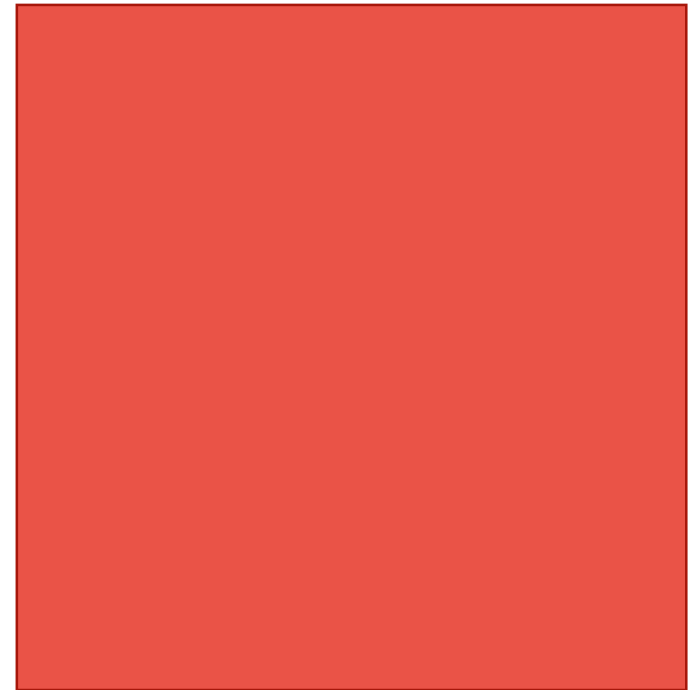
**Company information
= location information**

Our main environmental information system

Three core components

**Company information
= location information**

**Process handling
system (permits,
inspections,
enforcement, etc.)**



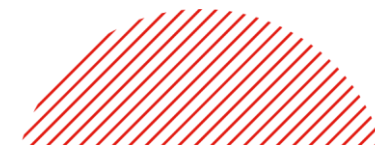
Our main environmental information system

Three core components

**Company information
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Information-exchange



Our main environmental information system

Location information

Key information about locations:

- Companies
- Activities
- Hazardous substances
- Energy consumption, etc.

**Process handling
system (permits,
inspections,
enforcement, etc.)**

Information-exchange

Our main environmental information system

Location information + **process information**

Key information about locations:

- Companies
- Activities
- Hazardous substances
- Energy consumption, etc.

Results of:

- Permitting processes (compliance behavior)
 - Inspections
 - Enforcement
 - Complaints

Information-exchange

Our main environmental information system

Location information + process information + external information....

Key information about locations:

- Companies
- Activities
- Hazardous substances
- Energy consumption, etc.

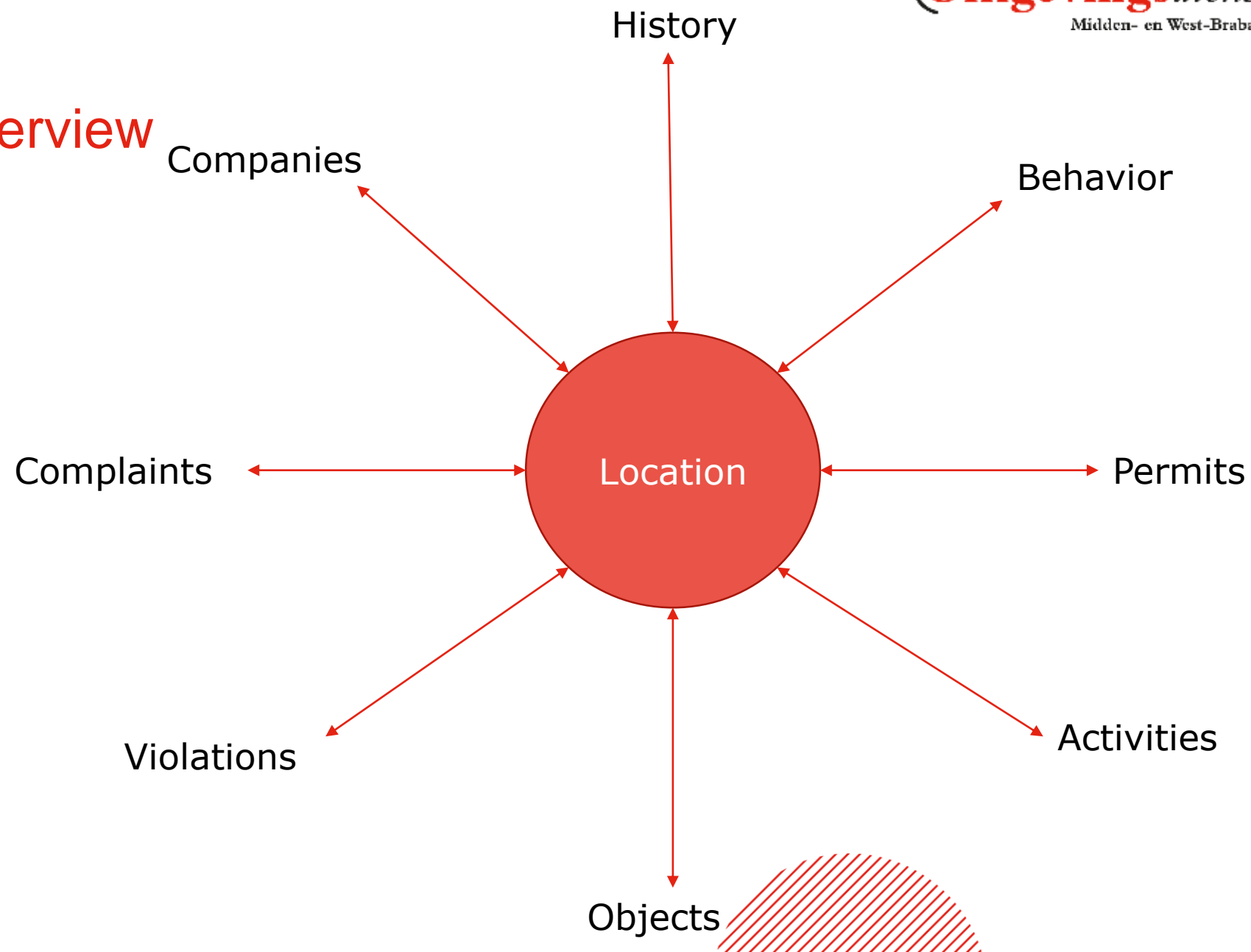
Results of:

- Permitting processes (compliance behavior)
 - Inspections
 - Enforcement
 - Complaints

Information-exchange:

- External information from partners

Results in an overview



And now reality: challenges

- **Input = output**

- What kind of data / information does the organization / do employees really need?
→ Find out the need

- **Garbage in is garbage out**

- Lowers the reliability of the data.

- **Not one application, but many different applications**

- With different possibilities, designs and limitations.
- How to present all the available information to employees in an understandable way?

Coping with these challenges

- **Input = output**

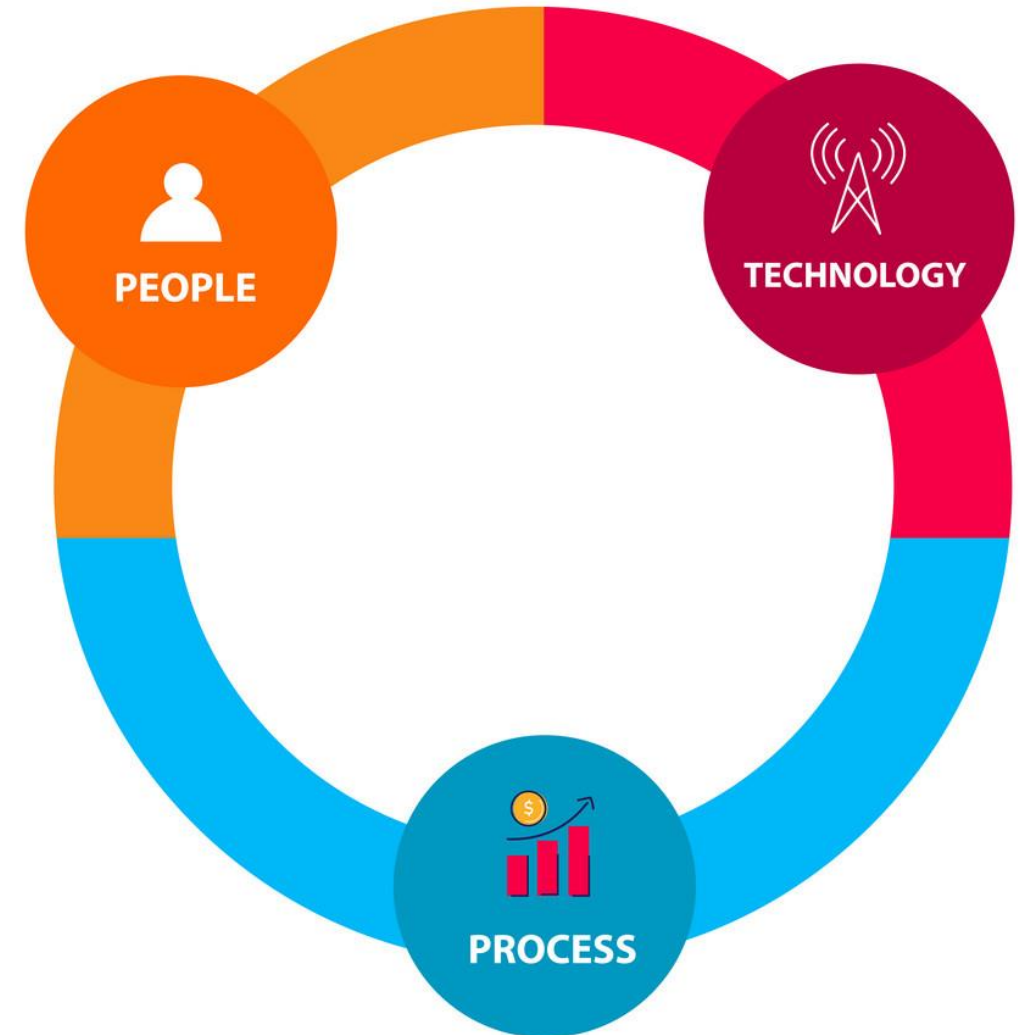
- Focus on our company goals
- Let employees decide for themselves → let them use their curiosity.

- **Garbage in is garbage out**

- Continuous work on improving data quality.

- **Not one application, but many different applications**

- We created a dataplatform that collects and combines almost all data from different systems, internal and external.



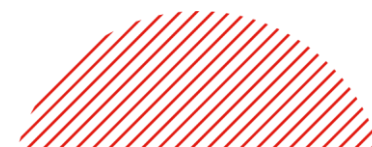
Conclusion

By using and designing applications that **support employees** in their way of working, and generate and collect **reliable data**, we can continuously **learn** about our environment and our impact on it, so that we can **improve** it.

For this, we need Data analytics. That's a topic that the OMWB invests in heavily as well, but will be covered by the next presenters.

Questions?

You can also contact me: j.pansier@omwb.nl





Zichtbaar samen
werken aan een schone
veilige en duurzame
leefomgeving