



**Mapping the
Belgian GEO-ICT sector-
EUROSDR**

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Belgian comic strips and Belgian maps...

☹ Would I only have
GPS navigation to find
those Smurfs☹



Introduction

- GPS navigation and Google Earth have brought the GEO-ICT sector to the forefront.
- From a focused sector the GEO-ICT sector goes mainstream with cross-fertilisation from general ICT trends.



Contents

How does this sector look like, what are the challenges?

- Definition
- Sector in numbers
- Structure of GEO-ICT company landscape beyond spatial data infrastructure.

Definition

- GEO-ICT comprises all the ICT based products and services that are related to the collecting, transforming, storing and diffusion of geo-information (source: TNO study)



Sector in numbers

- GEO-ICT in Belgium represents overall turnover of € 280 million
- 1700 Jobs in private sector
- (Source : AGORIA and German GEO-ICT study)



Structure of GEO-ICT company landscape



1. Input

- Collecting of geographic data

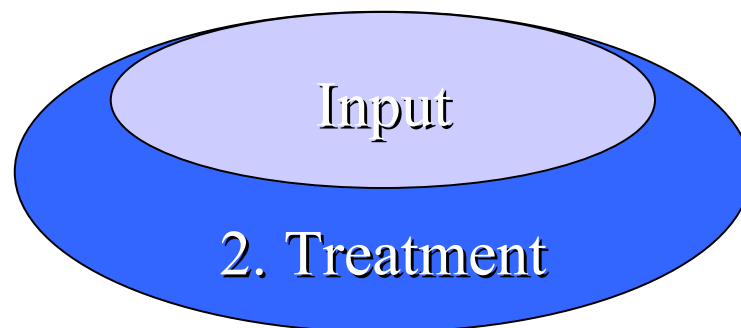


Input: type of activity

- Geo-raw data capture via satellite or airplane
- Transformation to digital corrected files
- Evolution: high resolution satellite images, GPS precision positioning, sensors and chips in roads, new field retrieval technology



Structure of GEO-ICT company landscape



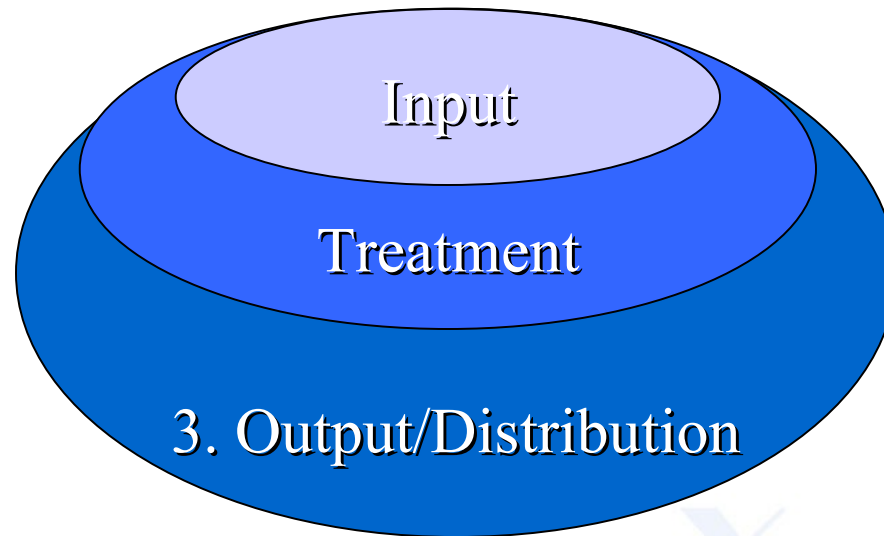
- Geo-coding of data, quality checking and exchanging between data.

Treatment: type of activity

- Geo-coding
- Flood zone forecast for Insurance companies
- Adding POIs (Point of Interests)



Structure of GEO-ICT company landscape



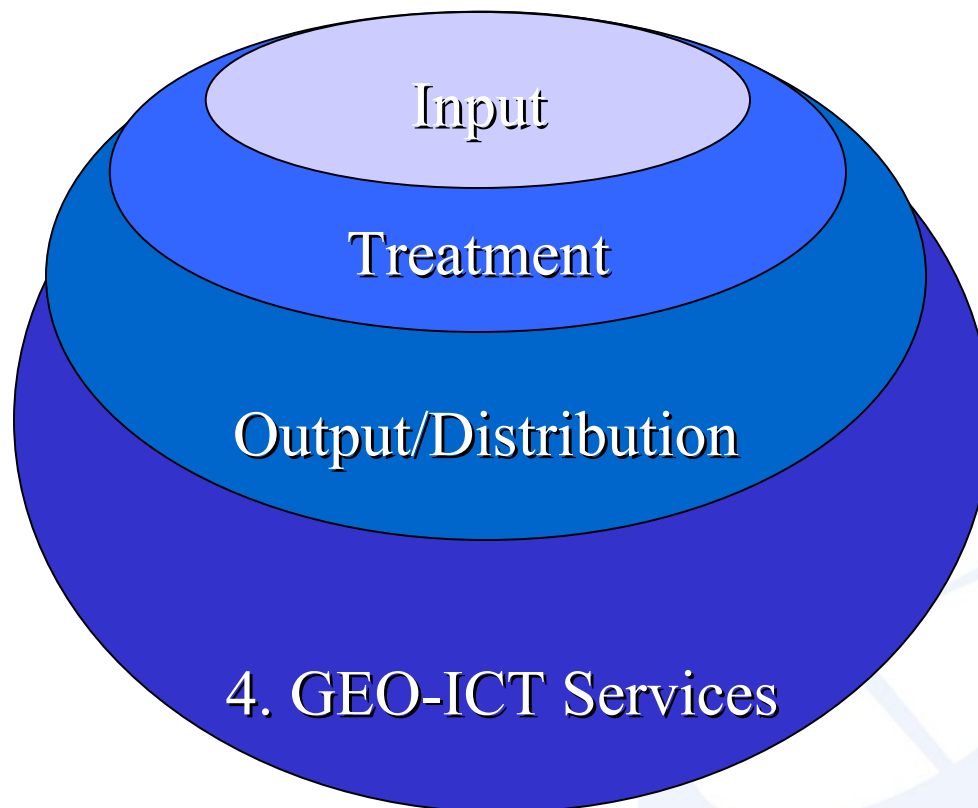
- Presentation of data using spatial GIS software

Output/Distribution: type of activity

- GIS interface to manipulate complex geo-data
- Trends:
 - open-standard/interoperability movement on the increase;
 - portable navigation systems;
 - off-the shelf general public cartographic products.



Structure of GEO-ICT company landscape



- Myriad of Geo-aware services

GEO ICT Services: type of activity

- Geo-Workforce management
- Geo-Asset management
- Geo-consulting
- Geo and mobile



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