European Union Location Framework

Benefits of implementing the European Union Location Framework

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European Union Location Framework

delivering growth and better services through
“location-enabled government”
Working as part of ISA to extend INSPIRE to other sectors...

“location-enabled government”
EULF Focus Areas

**Policy and Strategy Alignment:**
Consistent EU and Member States policy and legislative approach

**Return on Investment:**
Strategic funding and procurement to minimise costs and realise benefits

**Effective Governance and Partnerships:**
Fostering a collaborative, knowledgeable and skilled community to share and adopt best practices

**e-Government Integration:**
Location is a key enabler in e-Government services, addressing user needs and expectations

**Standardisation and Interoperability:**
Standards and technologies for interoperability and re-use are consistently applied
Introduction

• “An integrated EU framework to location information is intended to deliver a wide range of benefits”

• But what are these benefits?

• And how can we measure them?

• Development of a benefits approach for the EULF
Different insights for Benefits approach

- public administration/governance / e-government domain(s)
- GI/SDI-domain
- Both as relevant
- Both a source of inspiration
Benefits studies

- What do existing studies say about the benefits?
- Database of existing benefit studies Dealing with SDI/GI-benefits / Value of GI, etc.
- Not many focus on integration of location information in E-government processes
- Not many look from a public administration and E-government perspective
Benefit indicators

• indicators for identifying and measuring the benefits can be categorized into three groups

1. Benefits for public administrations
   • Cost and time savings
   • Simplification of processes
   • More effective policy making
   • Increased collaboration and coordination
   • Improved quality of processes
   • Increased public administration user satisfaction

2. Benefits for citizens and businesses
   • Cost or time savings
   • Better service delivery
   • Delivery of new services or products
   • Improved public transparency
   • Greater participation
   • Increased user satisfaction

3. Broader benefits
   • Economic development contribution
   • Establishment of new companies
   • Job creation
   • Higher citizen engagement
   • Improved trust in the public sector
   • Open & transparent government.
Lessons learnt from existing studies

- Benefits higher than Costs
- Focus on different levels
- Use multiple methods and approaches
- Do not oversimplify
- Incorporate different views/understandings
- Provide the full picture
Benefit approach

- Need to measure benefits at different levels
Benefit approach

• Need to measure benefits at 3 different levels

Macro level = Programme

Input → Action → Output → Benefit

Meso level = Process

Input → Action → Output → Benefit

Micro level = Service

Input → Action → Output → Benefit
Benefits approach (applied for Processes)

- Developing, exchanging and using digital spatial plans in The Netherlands
- Good EULF-example: policy alignment, e-government integration, ROI, Interoperability, Partnerships
- Systematic analysis of the benefits of implementing a government-wide digital environment for spatial planning using the benefit indicators
Benefits approach (applied for Processes)

- Developing, exchanging and using digital spatial plans in The Netherlands
  - The average duration of a (local) spatial planning process has been **reduced from 46 to 18.5 weeks**
  - **Improved quality** of spatial planning and more consistency in services and derived products
  - **Reduced cost** of transmitting (draft) spatial plans and other relevant information
  - **40,000 spatial plans** are online available making their accessibility easier and faster
  - More citizens are actively **involved** in the spatial planning processes
Benefits approach (applied for Services)

- Management of urban green areas in the City of Leuven, Belgium
- Benefits of implementing web application for urban green administration and management
- Good EULF-example: e-government integration, ROI
- Collection of quantitative info. on time savings (per days)
  - time savings for licensing trees to chop down (75 days)
  - querying data instead of visiting the terrain (50 days)
  - Improved planning by foreman (200 days)
  - searching for ownership of specific ‘green’ objects (20 days)
Benefits approach (applied for Services)

- **Management of urban green in the City of Leuven, Belgium**
- Annual cost savings 190,378 euro per year (5 years after the launch)
- **Extrapolation:** Assumption all Belgian municipalities benefit the same as Leuven, -> Total benefits of having a service for green administration and management for the entire country would be Euro 21,630,337
Benefits approach (applied for Services)

- **Digital application for Building Permits in Flanders (Belgium)**
- Estimated benefits of streamlining the exchange of information between all relevant actors during the building application process
- Good EULF-example: e-government integration, ROI, Interoperability, Partnerships
Benefits approach (applied for Services)

- Digital application for Building Permits in Flanders (Belgium)
  - *Reduction* between Euro **116.68 – 166.71** per building permit (depending on type of building permit)
  - *Municipality time savings* between **4.2 – 6.2 hours** per building permit (depending on type of building permit)
  - *Total reduction of the annual administrative burden in Flanders* Euro **12,194,677** or an impact of **32.5%**
Conclusions

**Approach**
- Multiple perspectives
- Applicable for multiple governance levels
- Applicable for processes, and services
- Demonstrating benefits of EULF