

European Union Location Framework Realising benefits in the context of the EULF

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Agenda

- The challenge
- What people are saying
- How this translates into the EULF
- Possible 'benefits' approach
- Conclusions



















EULF Challenge

"Coherent and committed action is required to exploit the potential of location information and to satisfy the real-world needs and expectations of users".









EULF 'Benefits' Challenge

"Coherent and committed action is required to exploit the potential of location information and to satisfy the real-world needs and expectations of users".



"How do you know what areas to address and what actions to take that will have the most impact and benefit and how do you measure what's been achieved?







But I hear you say . . .

"frameworks and infrastructures don't deliver benefits – their users do this"

"the benefits are intangible - they're impossible to measure"

"it will take so long you'll forget what's behind it all"

"what's it matter anyway, its obvious isn't it?"

"we haven't got the money, no matter how good the idea"

"lets leave it to the market, they'll decide what's best"







Don't forget however . . .

"location underpins a huge amount of public and private activity"

"we're spending large amounts of money collecting locationrelated information"

"the costs of getting it wrong are massive"

"we're a long way from getting it right – so there's a real problem to solve here

"expectations are growing"

"we're here today to talk about benefits, so lets get on with it!"







Some definitions

Action

"An activity aimed at delivering benefit"

e.g. training at altitude

Impact

"The impact of undertaking this activity"

or "what this activity enables"

e.g. ability to run faster

Outcome

"The resulting outcome"

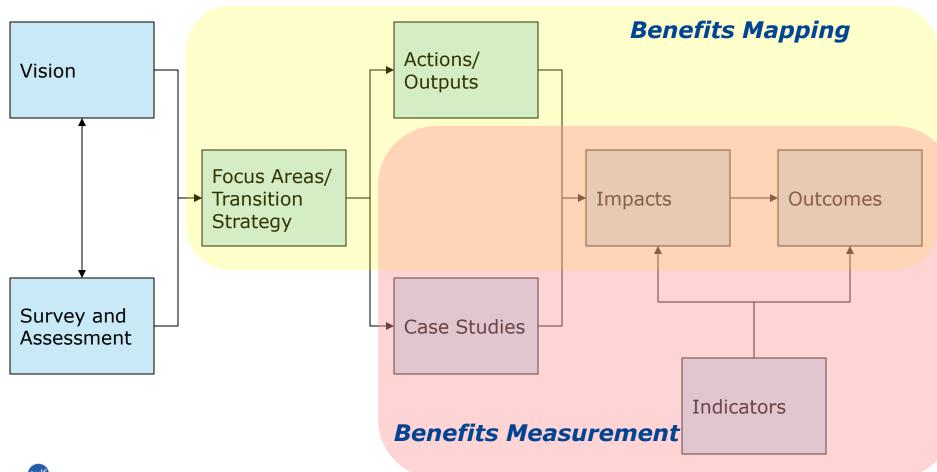
e.g. winning a gold medal at the national championships compared with 10th place last year







Possible EULF benefits approach









Key barriers from the EULF survey

Key Barriers	Avg Score
Lack of funding	1.85
Lack of skills and knowledge	1.45
Lack of coordination	1.45
Little integration of location in government processes	1.33
Absence of user driven approach	1.33
Difficulties with business case	1.18
Lack of cooperation	1.11
Restrictive or inconsistent data policy	1.10
Lack of common standards	1.00
Non-supportive legal framework	0.95
Absence of tools or guidance	0.89
Lack of good practice examples	0.89

ocation Framework

0 = no barrier

1 = minor barrier

2 = major barrier







Key issues from the EULF survey

Key Issues	Avg Score
e-Government process integration	2.52
Leadership and governance	2.52
User driven approach	2.50
Training and awareness raising	2.48
Funding	2.43
Costs and benefits	2.30
Partnerships	2.24
Open and balanced data policy	2.22
Standardisation and interoperability	2.17
Policy alignment	2.09

0 = not important

1 = somewhat important

2 = important

3 = very important









Key benefits from the EULF survey

Public Administrations	Avg Score
Increased collaboration	3.91
Cost and time savings	3.86
Simplified processes	3.73
Better quality processes	3.55
Better policy making	3.41

Broader Benefits	Avg Score
Open government	3.65
Citizen engagement	3.32
New companies	3.09
Job creation	3.00
Improved trust	2.91

Citizens and Businesses	Avg Score
Cost and time savings	3.64
Better services	3.59
New services / products	3.59
Improved transparency	3.32
Greater participation	3.23

1 = not at all

2 = not yet

3 = low

4 = medium

5 = high









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 benefiits

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 reuse are consistently applied







EULF transition strategy

FOCUS AREAS

Policy and Strategy Alignment

e-Government Integration

Standardisation and Interoperability

Return on Investment

Effective Governance and Partnerships

FROM STATE

TO STATE

EULF ACTIONS / OUTPUTS

INDICATOR

I M P A C T S







e-Government Integration – transition strategy



e-Government Integration From State: Location is key to effective public services but location information is not well integrated in all e-Government applications, resulting in sub-optimal services, incompatible systems and expensive maintenance. Location-related services are often designed and implemented from a provider rather than a user perspective, resulting in services and information that may not be fit for purpose.

To State: Location is well integrated in G2G, G2B and G2C processes, including related services across government and at different levels of government. Users do not have to supply the same mandatory information multiple times. There is visibility of common coordinating and support structures, expert groups and technologies, a strong user voice in the design, evaluation and improvement of location-based services, and good evidence of take-up of services.

EULF Actions: Ensure that Member States have access to best practices, publish case studies and guidance, and provide support and draw lessons from pilots and the most successful implementations. Focus on improvements in interoperability and integration of INSPIRE-based services to enable more effective and efficient processes at a Member State and European Commission level.







e-Government Integration - Benefits Map

Focus Area Actions/Outputs

Impacts

Outcomes

Analysis of locationenabled processes and services

Service integration toolkit

EICart: Best practice solutions and tools

Location information and INSPIRE well-integrated in MS e-Government strategies

Integrated MS location and e-Government coordinating structures and expert groups

Location is well-integrated in G2G, G2B and G2C services and processes

Easier to build cross-sector and cross-border applications involving location information

More innovative applications designed around user needs and good evidence of take-up

Cost and time savings for public authorities, citizens and businesses

More coherent and consistent policy and better policy outcomes

Better quality e-services that meet user needs

Increased growth and employment through innovation and commercial exploitation



e-Government

Integration





e-Government Integration - Measuring Impacts

Focus Area Indicators Impacts

No. of cases where MS e-Government / Location coordination has been improved through actions involving the EULF

No. of cases where the EULF is referenced or is participating in the implementation of location-enabled services, processes or applications

Location information and INSPIRE well-integrated in MS e-Government strategies

Integrated MS location and e-Government coordinating structures and expert groups

Location is well-integrated in G2G, G2B and G2C services and processes

Easier to build cross-sector and cross-border applications involving location information

More innovative applications designed around user needs and good evidence of take-up



e-Government

Integration





Benefits Map – The fuller picture

Focus Areas	Actions/Outputs	Impacts	Outcomes
Policy and Strategy	Policy alignment toolkit	Improved awareness of location information and INSPIRE and value of policy alignment	
Alignment	Policy-related pilots	EU thematic policies have a consistent approach to location information, aligned with INSPIRE	
	Analysis of location-enabled processes and services	Location data policy integrated with wider data policy to promote accessibility and interoperability	
e-Government Integration	Service integration toolkit	Location information and INSPIRE well-integrated in MS e-Government strategies	Cost and time savings for public authorities,
	EICart: Best practice solutions and tools	Integrated MS location and e-Government coordinating structures and expert groups	citizens and businesses
	Location enabling the EIRA / guidelines for use	Location is well-integrated in G2G, G2B and G2C services and processes	More coherent and consistent policy and
	Data optimisation toolkit	Easier to build cross-sector and cross-border applications involving location information	better policy outcomes
Standardisation	Application development toolkit	More innovative applications designed around user needs and good evidence of take-up	Better quality e-services that meet user needs
and Interoperability	Standards for SDI and eGovernment	GI/ ICT standards groups working together to improve technical and semantic interoperability	
/\	Guidelines for RDF and PID	Integrated ICT/GI policies and standards in place focusing on open standards, interoperability and reuse	Increased growth and employment through
`	AAA guidelines for INSPIRE	Consistent use of GI and location-based standards and technologies	innovation and commercial exploitation
	Procurement guidelines	Open source solutions support interoperability and reuse	More open, transparent and participatory
Return on	Funding models	Adoption of strategic funding and procurement models	government
Investment	Benefit realisation approach	Compelling business cases and good evidence of achieving benefits	
\	Best practice factsheets	New market and employment opportunities for location- based products and services	More innovative and authoritative research
	Communications and engagement programme	High level support for a strategic cross-sector approach to location information, based on INSPIRE	
Effective Governance and	ISA SIS Working Group	Effective governance and partnerships in place to progress the goals of the EULF	
Partnerships	EULF Operational governance	Understanding and skills in place to develop and use location based services	
European Union		laint	150



Measuring Impacts – The fuller picture

Focus Areas Indicators Impacts

Policy and Strategy Alignment

e-Government

Integration

No. of policy areas where EULF has facilitated improved alignment through policy engagement, pilot studies or other actions

No. of Member States taking a strategic approach to integrating e-Government and Location activities and taking account of the EULF

No. of cases where MS e-Government / Location coordination has been improved through actions involving the EULF

No. of cases where the EULF is referenced or is participating in the implementation of location-enabled services, processes or applications

Standardisation and Interoperability

Return on

No. of developments in international standards supported with contributions from the EULF

No. of MS where EULF has contributed to joint initiatives or alignment of GI and ICT strategies / standards, including open standards

No. of impact assessments or business cases for policies, processes or services quoting interoperability benefits linked to the EULF

Investment

No. of cases where public / private sector integration has been improved based on the EULF

No. of MS involved with EULF in sharing (contributing or adopting) best practices

Effective Governance and Partnerships

No. of key related initiatives and actions where EULF is contributing or receiving inputs, e.g. ISA EIRA, UN-GGIM Europe, ELF

Improved awareness of location information and INSPIRE and value of policy alignment

EU thematic policies have a consistent approach to location information, aligned with INSPIRE

Location data policy integrated with wider data policy to promote accessibility and interoperability

Location information and INSPIRE well-integrated in MS e-Government strategies

Integrated MS location and e-Government coordinating structures and expert groups

Location is well-integrated in G2G, G2B and G2C services and processes

Easier to build cross-sector and cross-border applications involving location information

More innovative applications designed around user needs and good evidence of take-up

GI/ ICT standards groups working together to improve technical and semantic interoperability

Integrated ICT/GI policies and standards in place focusing on open standards, interoperability and reuse

Consistent use of GI and location-based standards and technologies

Open source solutions support interoperability and reuse

Adoption of strategic funding and procurement models

Compelling business cases and good evidence of achieving benefits

New market and employment opportunities for locationbased products and services

High level support for a strategic cross-sector approach to location information, based on INSPIRE

Effective governance and partnerships in place to progress the goals of the EULF

Understanding and skills in place to develop and use location based services

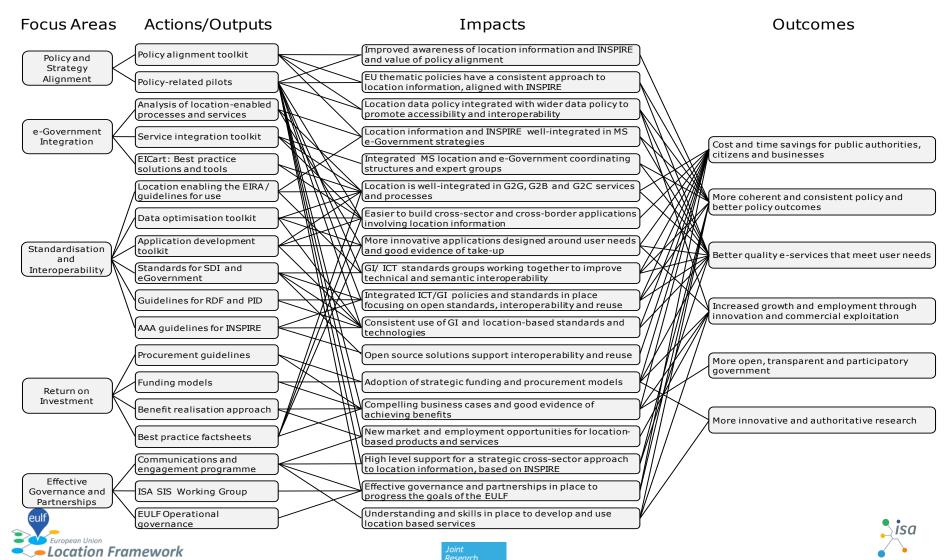






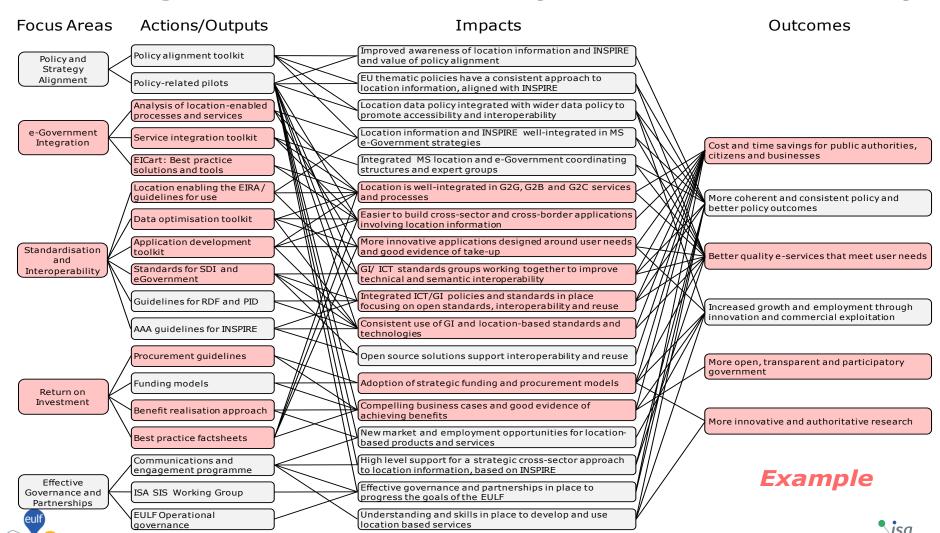


Measuring Outcomes – Case Studies (Services, Processes, Pilots)





Measuring Outcomes – Case Studies (Services, Processes, Pilots)



Location Framework



Outcome Indicators

Outcomes

Indicators

Cost and time savings for public authorities, citizens and businesses

EULF contribution to time saving

EULF contribution to cost saving

More coherent and consistent policy and better policy outcomes

Improved evidence base resulting from the EULF

Policy outcome resulting from the use of location information and the actions / outputs of the EULF

Degree of take-up in location-based e-Government service where EULF has played a role

User feedback relating to elements of the service based on the EULF

No. of new commercial products or services introduced based on EULF actions / outputs

No. of jobs created / protected through innovations attributable to the EULF

User feedback on 'openness' and 'transparency' of government services involving the EULF

User participation in location aspects of e-Government service (crowd sourcing) based on EULF

No. of research projects feasible through the contribution of the EULF

Quality of analysis in research projects attributable to the EULF

Better quality e-services that meet user needs

Increased growth and employment through innovation and commercial exploitation

More open, transparent and participatory government

More innovative and authoritative research









Conclusions

- There are benefits in ensuring that location information is used effectively in e-Government
- A framework of actions and outputs to target these benefits can help in achieving them
- The benefits of such a framework are difficult to measure – but not impossible
- Understanding the 'value chain' is important
- A structured approach considering impacts and outcomes has been presented
- It could be refined as individual case studies are assessed
- This may provide the answer?







Contact and join us!



http://ec.europa.eu/isa/actions/02interoperability-architecture/2-13action_en.htm



https://joinup.ec.europa.eu/community/eulf/description



http://inspireforum.jrc.ec.europa.eu/pg/groups/228 519/european-union-locationframework-the-study/



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