The need for public data centers

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Outline

- Why do we need public data centers?
- Where do we stand?
- What are the specific needs in the short and long terms?

Research in HLT Data

Research in HLT



Efficient production and distribution of data

Dedicated centers

Research in HLT Data

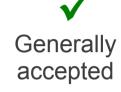
Efficient production and distribution of data

Dedicated centers

Adequate funding for the Public needs of public research Centers

Research in HLT





Efficient production and distribution of data

Dedicated centers

Generally accepted

Adequate funding for the Public needs of public research centers

Not often discussed

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Comparison with the need for evaluation agencies

Research in HLT Evaluation

Efficient organization of evaluation campaigns

Dedicated agencies

Adequate funding for the Public needs of public & private agencies research

Research in HLT Data

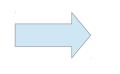
Efficient production and distribution of data

Dedicated centers

Adequate funding for the Public needs of public research Centers

Research in HLT Data

Efficient production and distribution of data



Dedicated centers

Adequate funding for the Public needs of public research centers



Research in HLT Data

Efficient production and distribution of data

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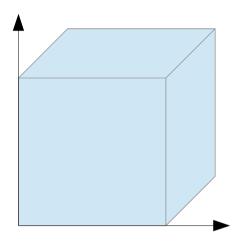


Why is it so?

- a)Corpora are information goods which are almost public goods (cf. next slide)
- b)There are constraints on public funding of private structures (as a general rule, state aids are forbidden)
 - Grants can normally provide 100% funding only to not-for-profit organizations
 - Sustainable, long term not-for-profit activities can be achieved only by public recurring funding

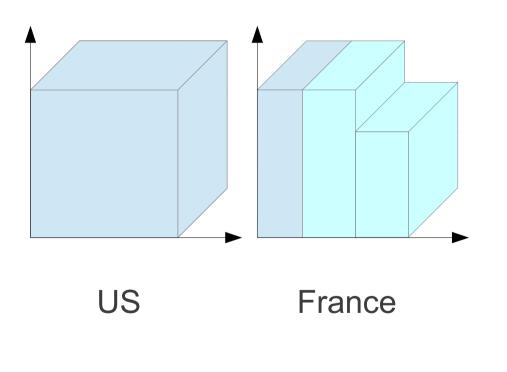
Corpora as private/club/public goods

	Common goods (e.g., fish stocks, timber, coal)	Public goods (e.g., free-to-air television, air, national defense)
non- excludable		Corpus paid by public funding and distributed without a fee
	Private goods (e.g., food, clothing, car, personal electronics)	Club goods (e.g., cinema, private parks, satellite television)
excludable	Corpus paid by a company for it own purpose and not distributed	Corpus sold for a fee
	rivalrous	non-rivalrous



US

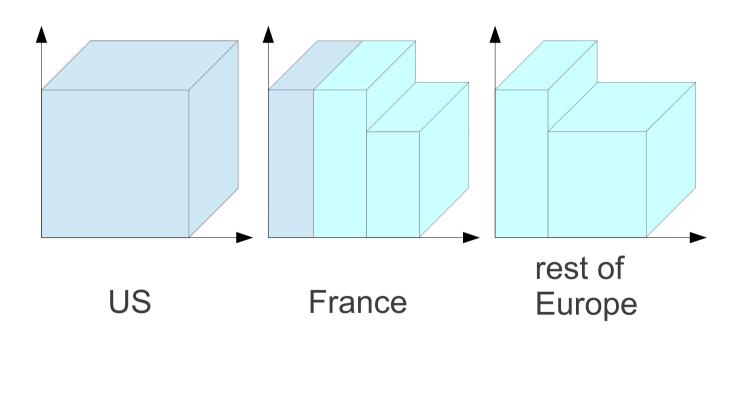






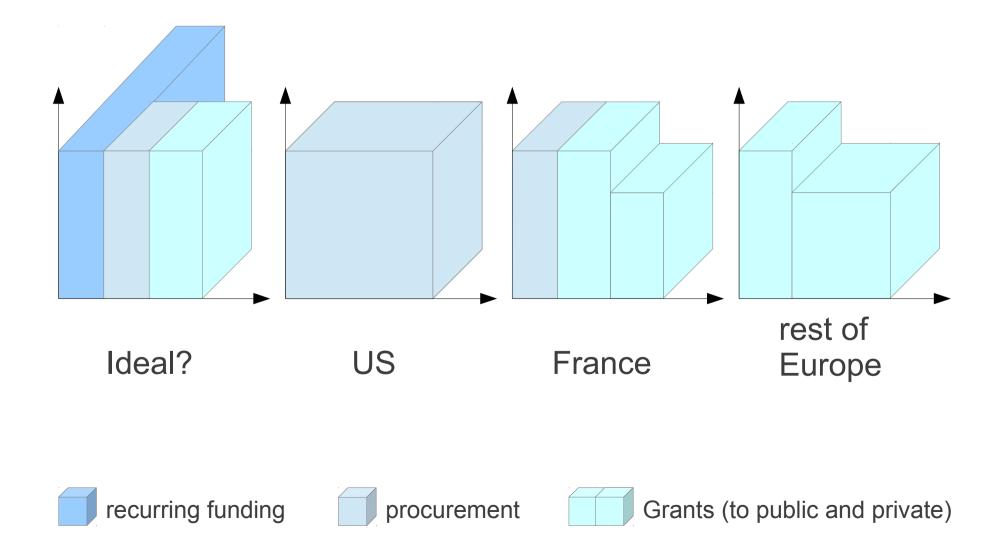


Grants (to public and private)









Comments

- By using only project-based funding, we bias toward per project needs
 - Some recurring funding would help foster the development and maintenance of generic and reusable data and tools
 - An area for international cooperation
- The line of reasoning applies not only to HLT, but to the whole field of intelligent/multimedia information processing

Specific needs in the short and long terms

- Short term, accepted and emerging
 - More public data centers for HLT in Europe
 - Extension to multimedia information processing
- Short term, but not yet considered
 - Recurrent funding of data centers to foster genericity and reusability
- Longer term
 - A joint international center to develop and maintain reference annotation tools and conventions for sustainable usage of corpora?

Thank you for your attention and Happy Birthday to LDC!

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