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ACUMEN Portfolio

Accounting for alternative forms of scholarly output

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ACUMEN

Academic Careers Understood through Measurements and Norms

European 7th Framework collaborative project

Capacities, Science in Society 2010

Grant Agreement: 266632

9 institutional partners, in 7 countries

<http://research-acumen.eu>



Universiteit Leiden



Bar-Ilan University
אוניברסיטת בר-אילן



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CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



Eesti Teadusagentuur
Estonian Research Council



EUROPEAN
COMMISSION



SEVENTH FRAMEWORK
PROGRAMME

HUMBOLDT-UNIVERSITÄT ZU BERLIN



Technische
Hochschule
Wildau [FH]
Technical University
of Applied Sciences



Royal School
of Library and
Information
Science



eHumanities
Royal Netherlands Academy of Arts and Sciences

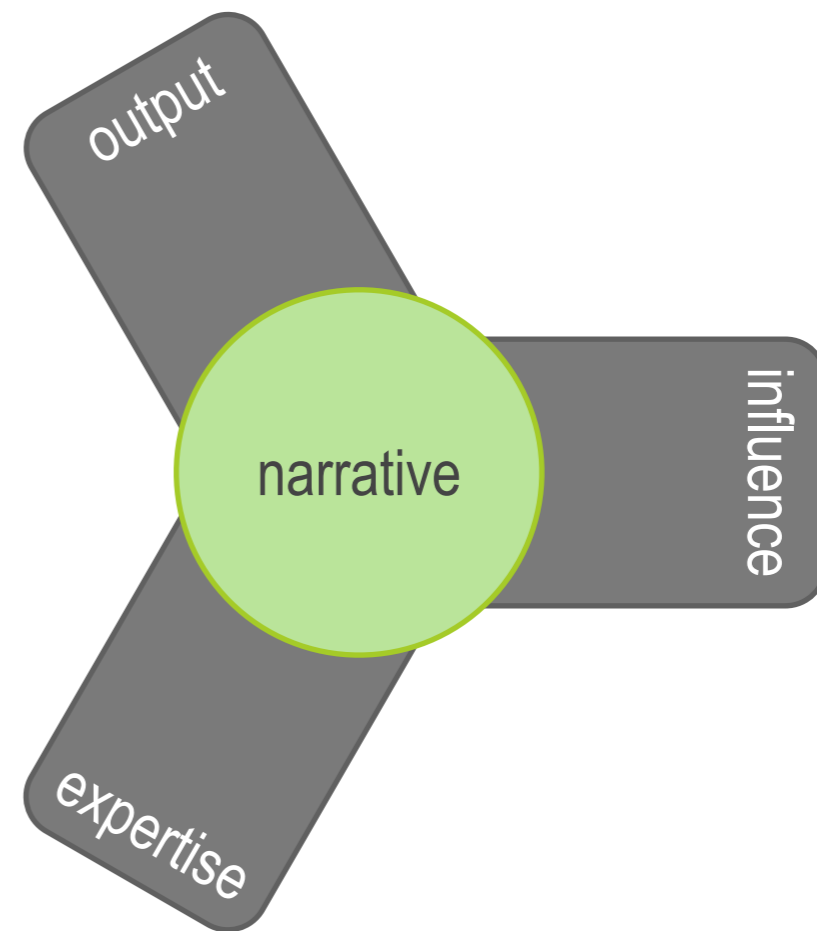
Data Archiving and Networked Services

DANS

ACUMEN portfolio

aim is to give researchers a voice in evaluation

- evidence based arguments
- shift to dialog orientation
- selection of indicators
- narrative component
- Good Evaluation Practices
- envisioned as web service



ACUMEN portfolio

expertise

- scientific/scholarly
- technological
- communication
- organizational
- knowledge transfer
- educational

GEP guidelines:

- development of evidence based arguments (what counts as evidence?)

output

- publications
- public media
- teaching
- web/social media
- data sets
- software/tools
- infrastructure
- grant proposals

GEP guidelines:

- comprehensive list
- expanded forms
- establishing provenance

influence

- on science
- on society
- on economy
- on teaching

GEP guidelines:

- taxonomy of indicators:
 - o bibliometric,
 - o webometric
 - o altmetric

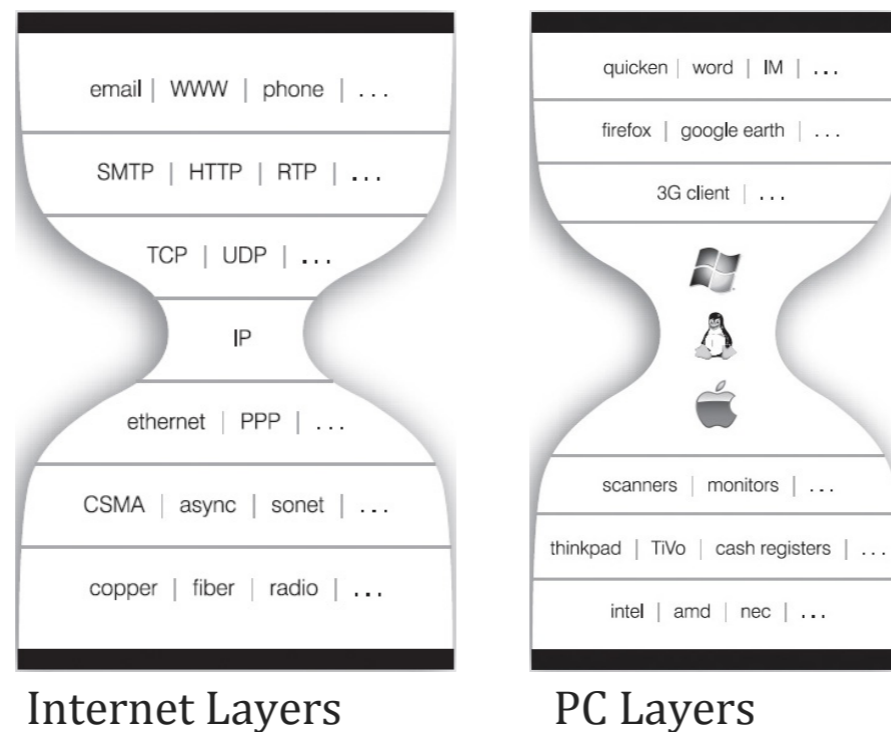
output infrastructure

(networked content?)

- academic publishers
- university press
- institutional repositories
- **research information systems**
- data repositories
- semantic ontologies
- researcher (social) networks
- publishing on the Web

proposal: a thin layer of open interoperability

Layered (hourglass) Architecture



Internet Layers

PC Layers

(Zittrain's theory of Generativity [3])

- competition for applications
- depends on, but does not disrupt interoperability layer

Innovation is pushed to the upper and lower layers

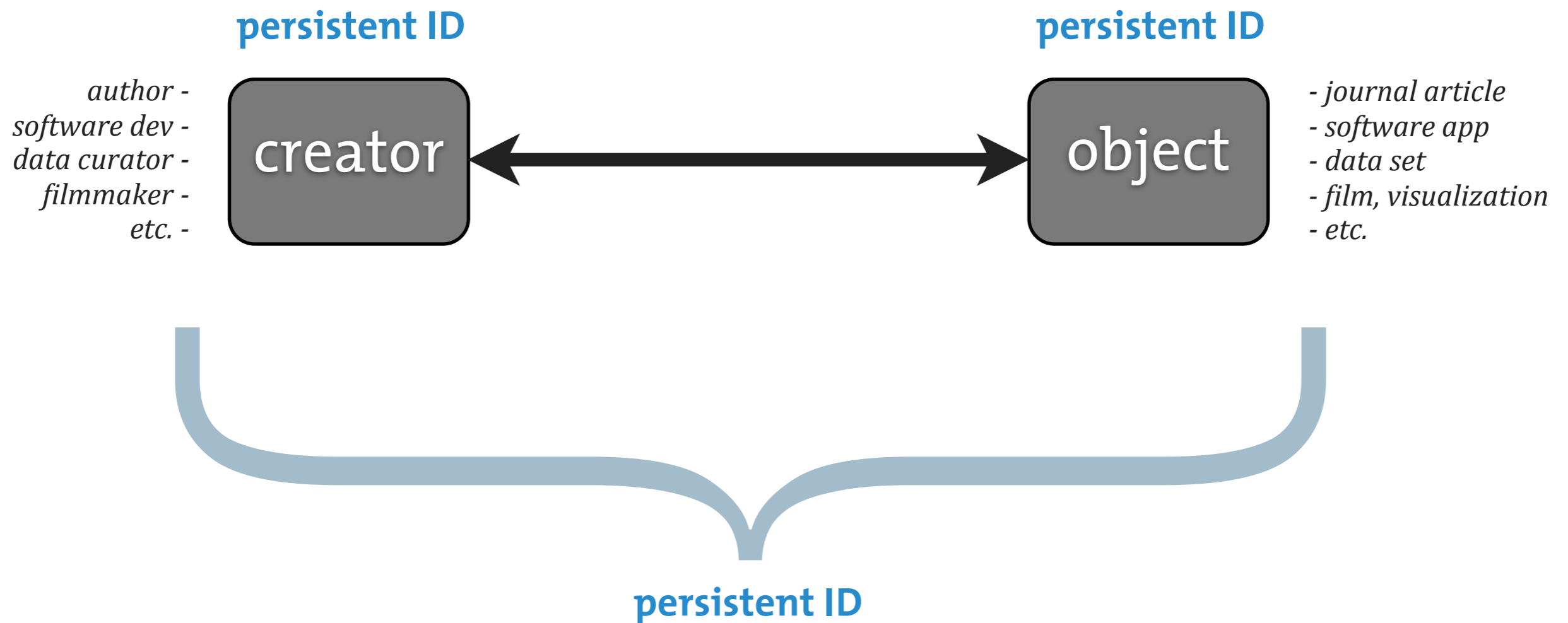
- new technologies, infrastructures can be implemented without disruption to the interoperability

interoperability layer -
maximize interoperability -
minimize interfaces -

References: [1] Akhshabi, Saamer, and Constantine Dovrolis. 2011. "The Evolution of Layered Protocol Stacks Leads to an Hourglass-shaped Architecture."
[2] Burns, Kevin. 2003. TCP/IP Analysis and Troubleshooting Toolkit. 1st ed. Wiley.
[3] Zittrain, Jonathan. 2009. The Future of the Internet--And How to Stop It. Yale University Press

Thin Layer of Open Interoperability

(universal provenance protocol)



Content Network (hourglass metaphor)

