





2018-11-28

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Our mission



peningUP new methods, indicators and tools for

peer review,
dissemination
impact measurement





Citations are not impact.

Its like a finger pointing away to the moon. Don't concentrate on the finger or you will miss all that heavenly glory.



Impact of Basic Research





 Short term: downloads, views, presence in social media etc.

Medium term: citations



 Improvements in knowledge of the physical, biological and social world



Scientific Impact

Publication, data, software, cell lines, equipment, methodologies, theories



Funding



Basic Research

Impact of Applied Research





 Impacts are hard to measure and only apparent decades after investment



Societal, Financial, Health, and Environmental Impact



Products, treatments, technology components



Funding



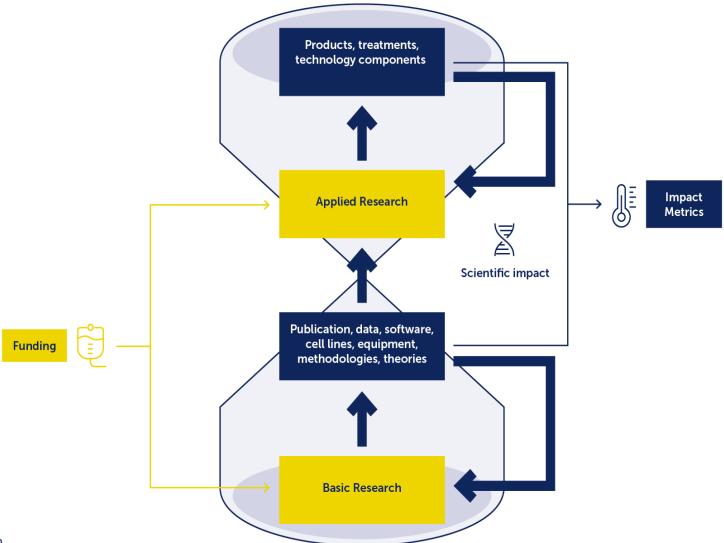
Applied Research



The big picture..

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Uses of research metrics

- Researchers: guiding their research, and careers
- Institutions: managing and developing strategies for research, to compete for prestige, and to manage students, staff and resources
- Policymakers: evaluating public spending on higher education and research, allocating resources to institutions and projects

Metrics providers today



Short term: views, downloads, media attention







Medium term: bibliometric data









Medium to long term: patents, grants, policies





Limitations of current metrics



- Limited view of the reality of scientific impact.
 - Distorted incentives
 - Easily gamed
 - Incentive for publication bias
 - Counts only publications (no data, software, etc.)
- Small number of metrics providers, no role for scientific communities
- Lack of easy reproducibility

Impact Data Services Platform



- Open Metrics free access to data and tools allowing anyone to create their own impact metrics
 - Data collection data required to calculate impact metrics including metadata
 - *Increased coverage* includes data not used in current metrics
 - Standards based, and methods to link data – uses existing citation standards, and creates new standards where required



Next steps..

- Continue conceptual framework, design, collaborations and discussion.
- Implement through H2020 Framework Programmes
 - Enhancing the EOSC portal and connecting thematic clouds and related programmes (?)























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