



The dynamics of improving access to research papers

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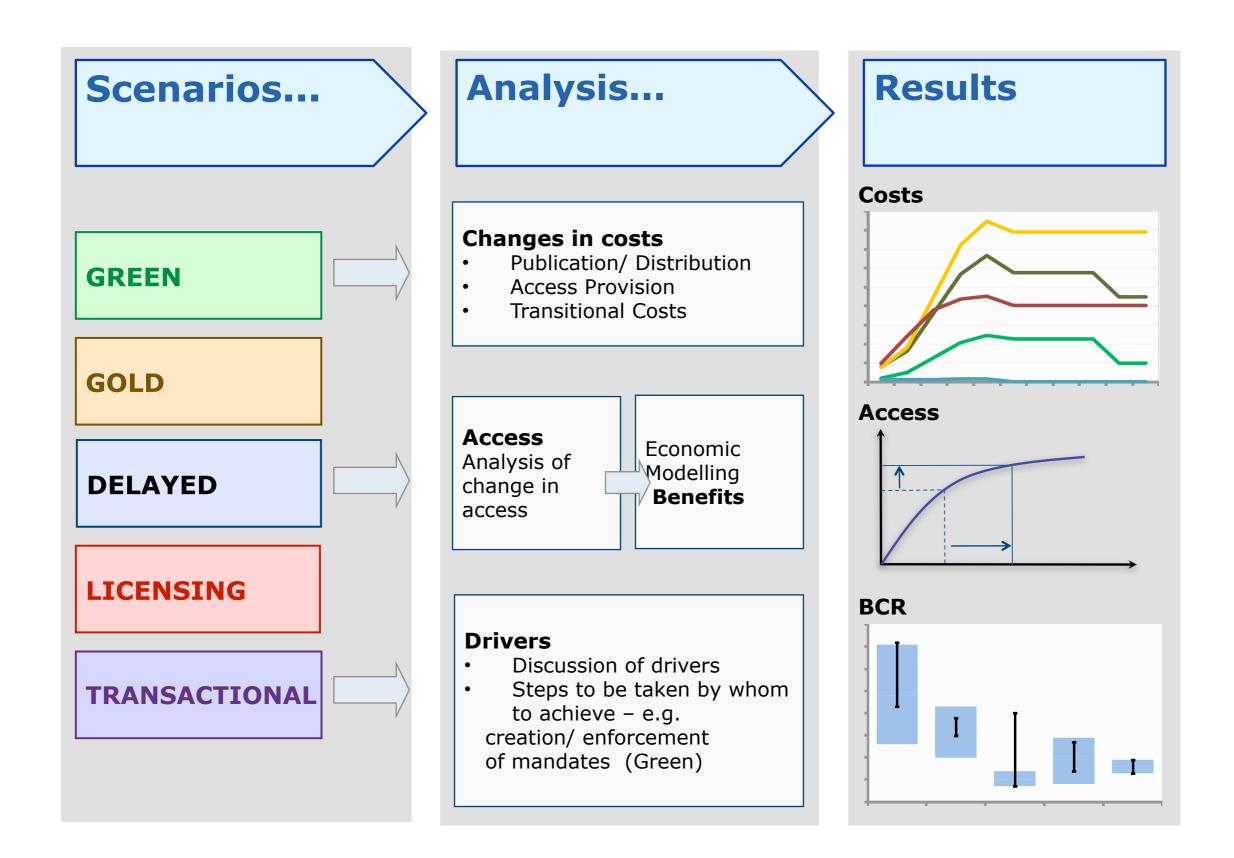
Commissioned by:



IISC



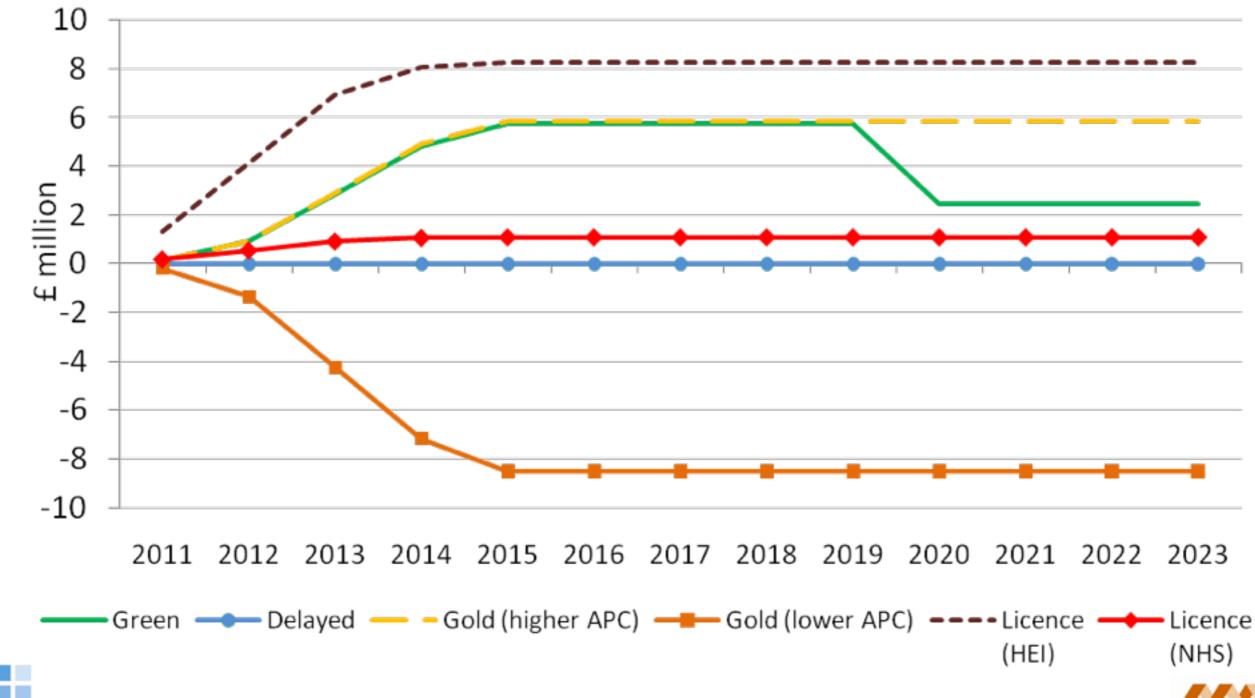






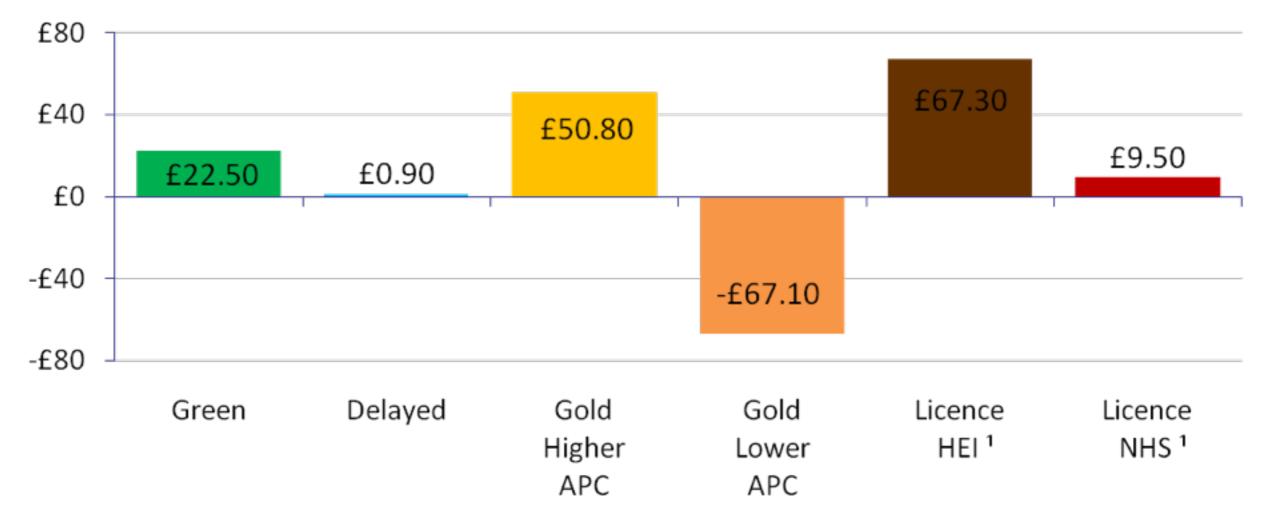
GREEN OA	 Funder mandates: 40–60% Institutional mandates: 15–30% Variants: "Green 2015" & "Green Zero"
DELAYED ACCESS	 Publisher response for demand for access 25% articles available on publisher platform Publisher-set embargoes: 12m – 36m
GOLD OA	 Funding coordination & more OA journals 40% articles (biomed), 15% (S&T), 5% (AH) Variants: higher/lower APC
LICENCE EXTENSION	 Publisher/govt desire to meet demand 75% articles via HEI national licence & 55% relevant articles via NHS licence
TRANSACTIONAL	 Publisher/third party response to demand Aggregation site ("iPub") – targeted marketing PPV @ \$10 (& \$5 / \$1)

UK net annual costs 2011–2023



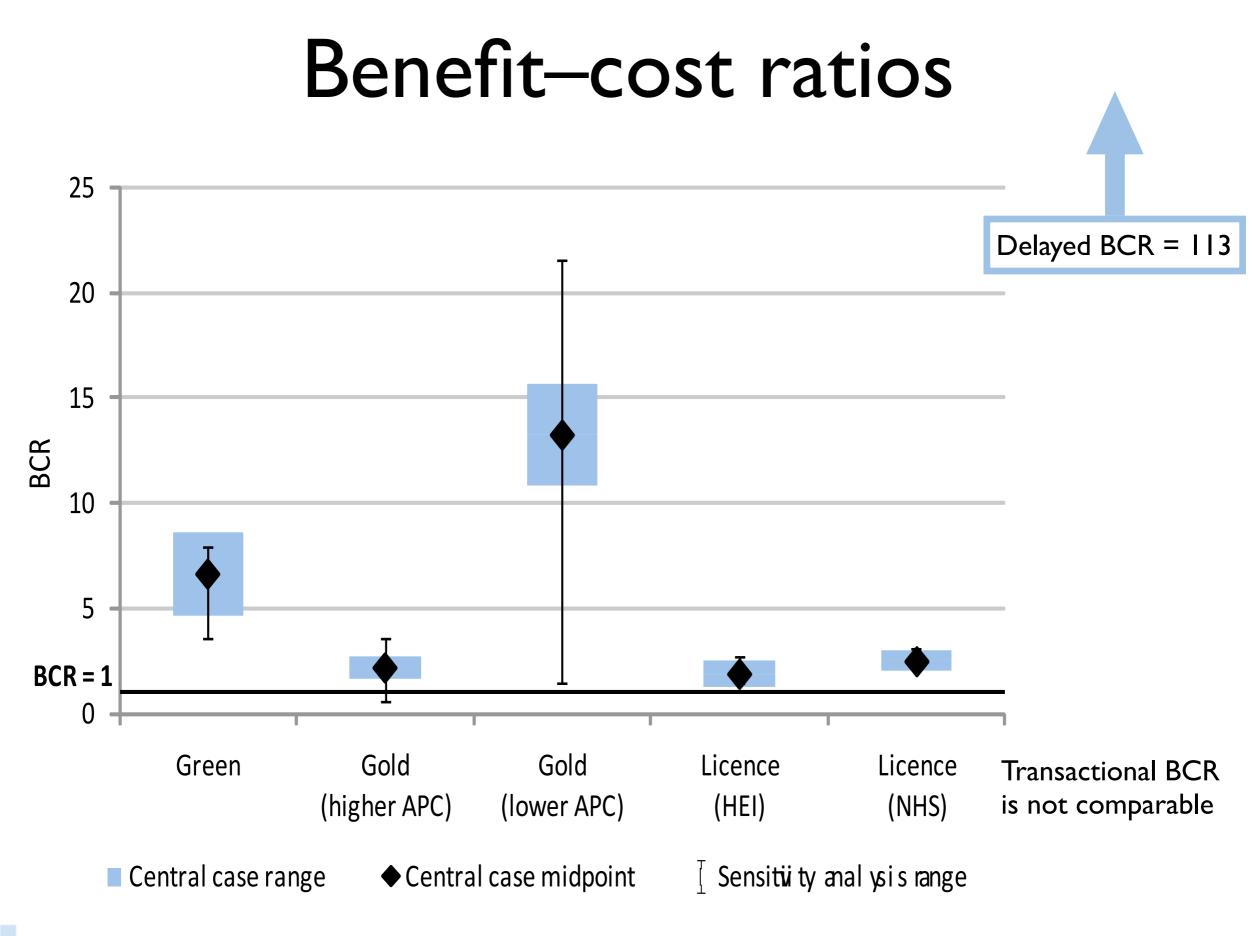
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UK net cost per additional unit of "standardised access"

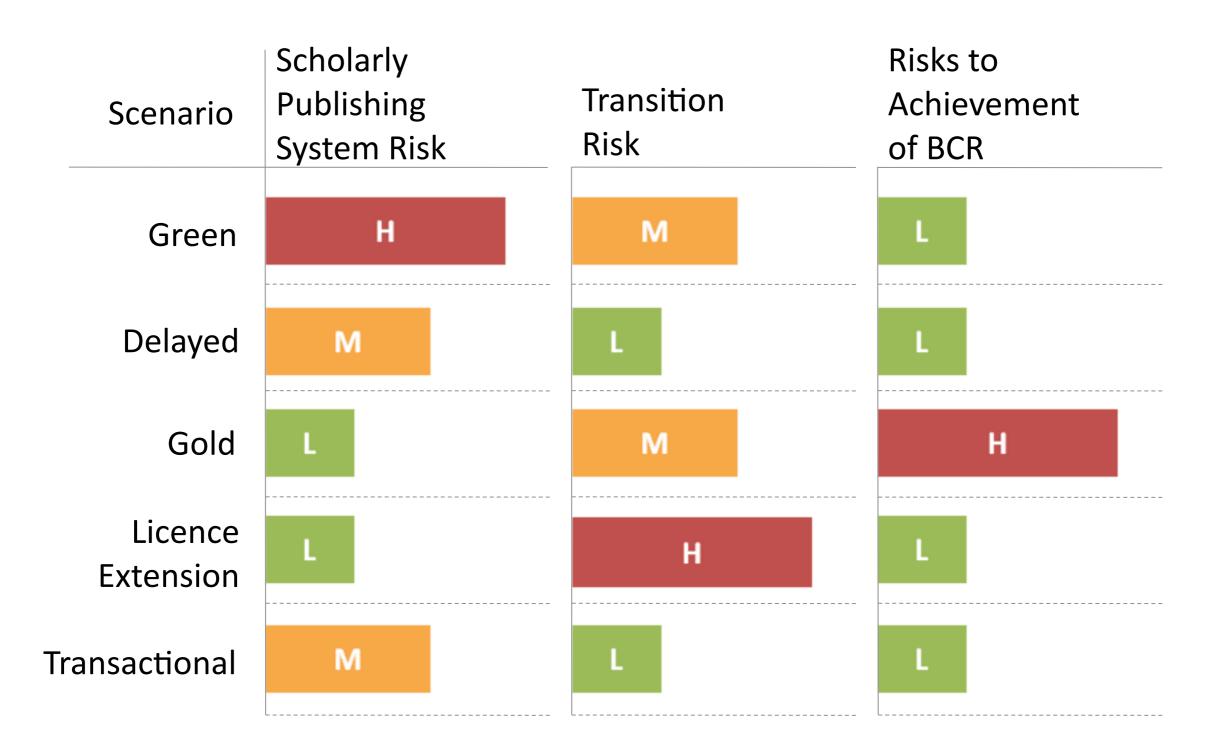


1 Increase applicable to HEI/NHS users only





Relative risks of the scenarios







Delayed access

- Closest scenario to a zero-cost option
- Low cost per additional access
- High BCR
- Lacks plausibility: insufficient motivation
- Few if any policy levers
- Unlikely to lead to major increase in access



Transactional

- Potentially useful to target access gaps
- Complementary to subscriptions/licences
 - provided cannibalisation avoided
- Unlikely to lead to substantial overall increase in access
- Few if any policy levers
- Open Access would reduce demand



Licence extension

- Cost-effectiveness depends on price ...
- ... but appears less cost-effective than others
- High transition risks:
 - Increased upfront and ongoing costs
 - Difficulty of allocation costs among HEIs
- Unattractive in current fiscal environment



Green Open Access

- Could substantially increase access
- Cost-effective since infrastructure already built
- Low transition/outcome risks
- Risks to system from potential subscription cancellations
- Not self-sustaining



Gold Open Access

- Sustainable business model
- Improved economic efficiency (transparency, lower barrier to entry)
- Potentially high BCR and lower net costs to UK academic institutions
 - provided average APCs are low enough
- Transition/outcome risks: funding "hump", APC pricing, UK/Global take-up



Summary

- OA scenarios offer most scope for policymakers to increase access cost-effectively
- Expand use of existing repositories (Green) but with caution re. risks to subscriptions
- Gold is preferable provided:
 - average APCs remain below ~£1995
 - UK uptake matches global rates
 - hybrid models do not increase costs



Credits/further information

- Project information & reports:
 - <u>http://www.rin.ac.uk</u>
- Authors
 - <u>CEPA</u>
 - Daniel Hulls
 - Joel Cook
 - David Jones
 - <u>Mark Ware Consulting</u>
 - Mark Ware
- Funders: <u>RIN</u>, <u>JISC</u>, <u>PRC</u>, <u>RLUK</u>, <u>Wellcome Trust</u>

