



# The dynamics of improving access to research papers

#### Mark Ware

#### CEPA / Mark Ware Consulting

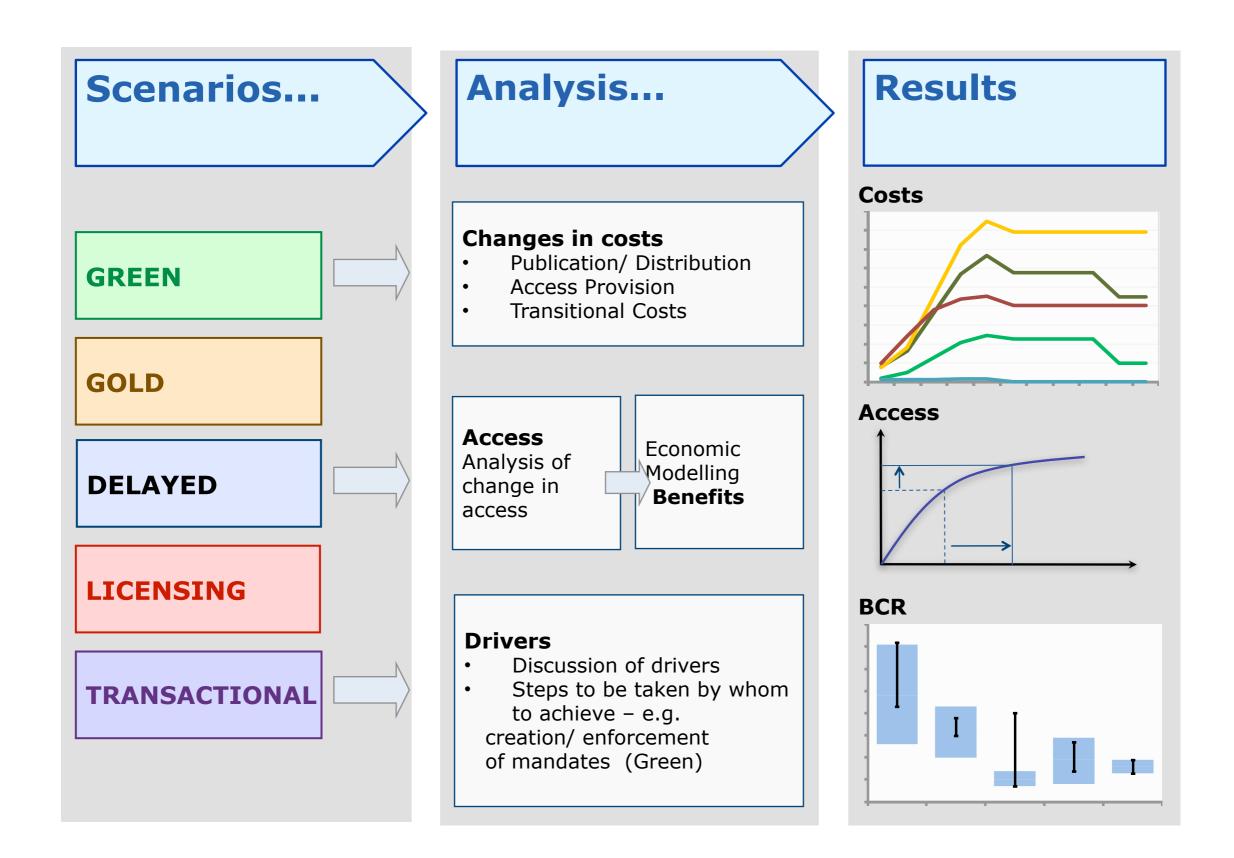
#### Commissioned by:



IISC



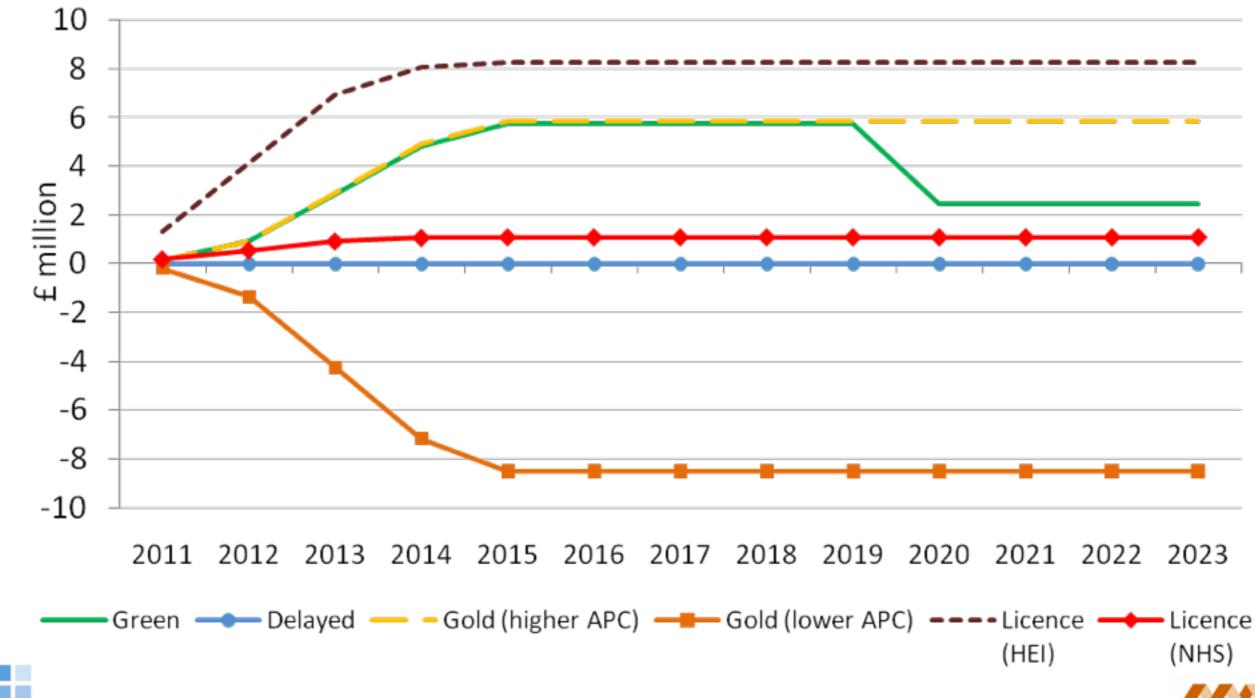






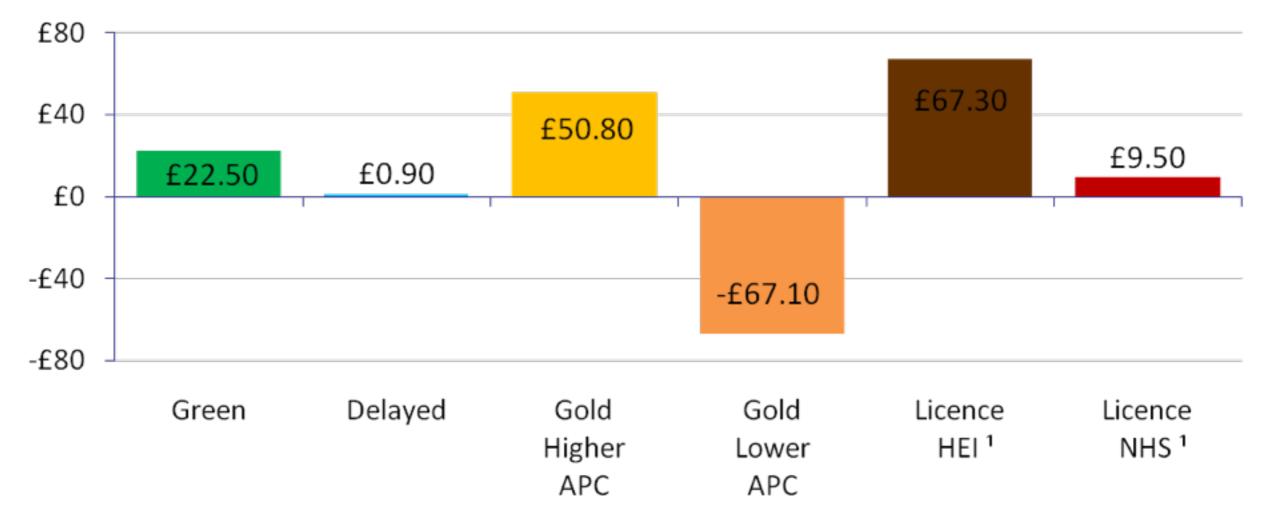
GREEN OA	<ul> <li>Funder mandates: 40–60%</li> <li>Institutional mandates: 15–30%</li> <li>Variants: "Green 2015" &amp; "Green Zero"</li> </ul>
DELAYED ACCESS	<ul> <li>Publisher response for demand for access</li> <li>25% articles available on publisher platform</li> <li>Publisher-set embargoes: 12m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

#### UK net annual costs 2011–2023



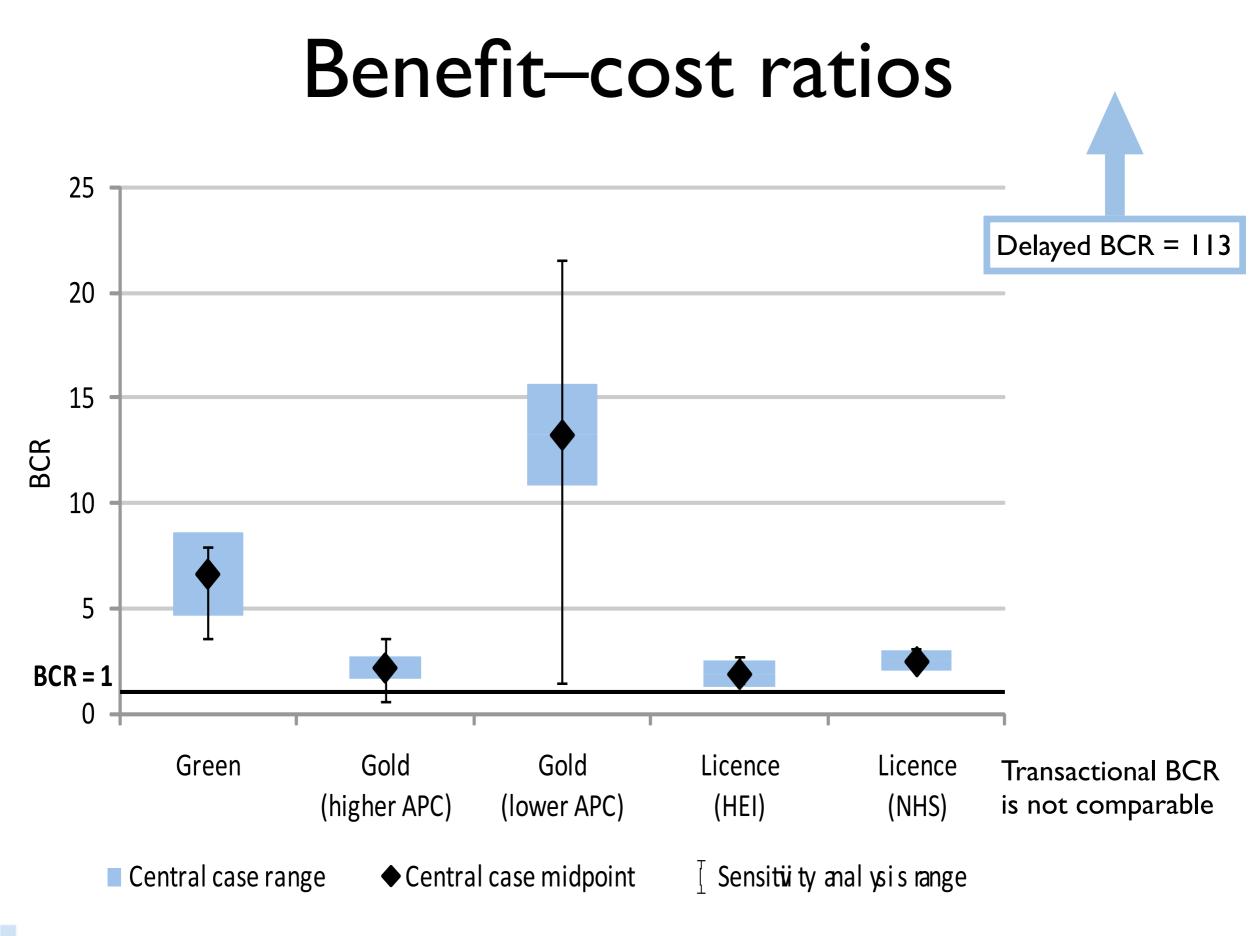
CEPA

## UK net cost per additional unit of "standardised access"

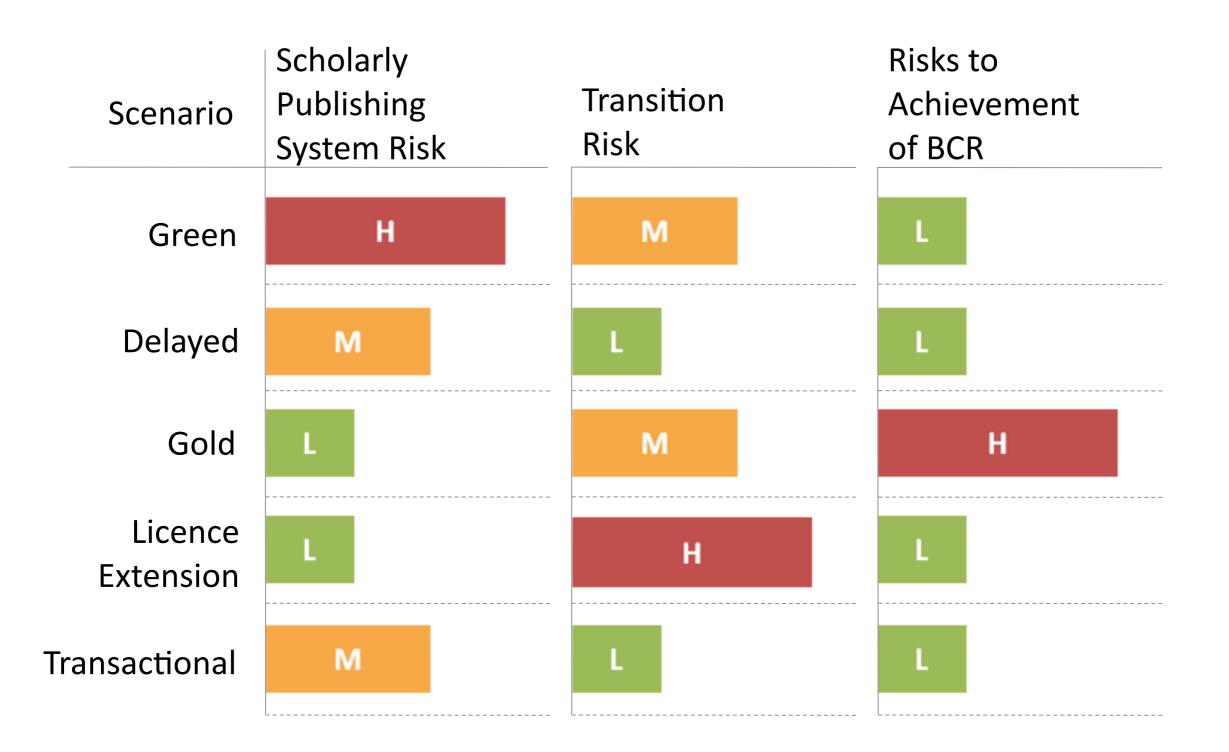


1 Increase applicable to HEI/NHS users only





#### 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>

