Economics of a new scholarly communication framework; who pays what?

Group # 4

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Economics

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Economics

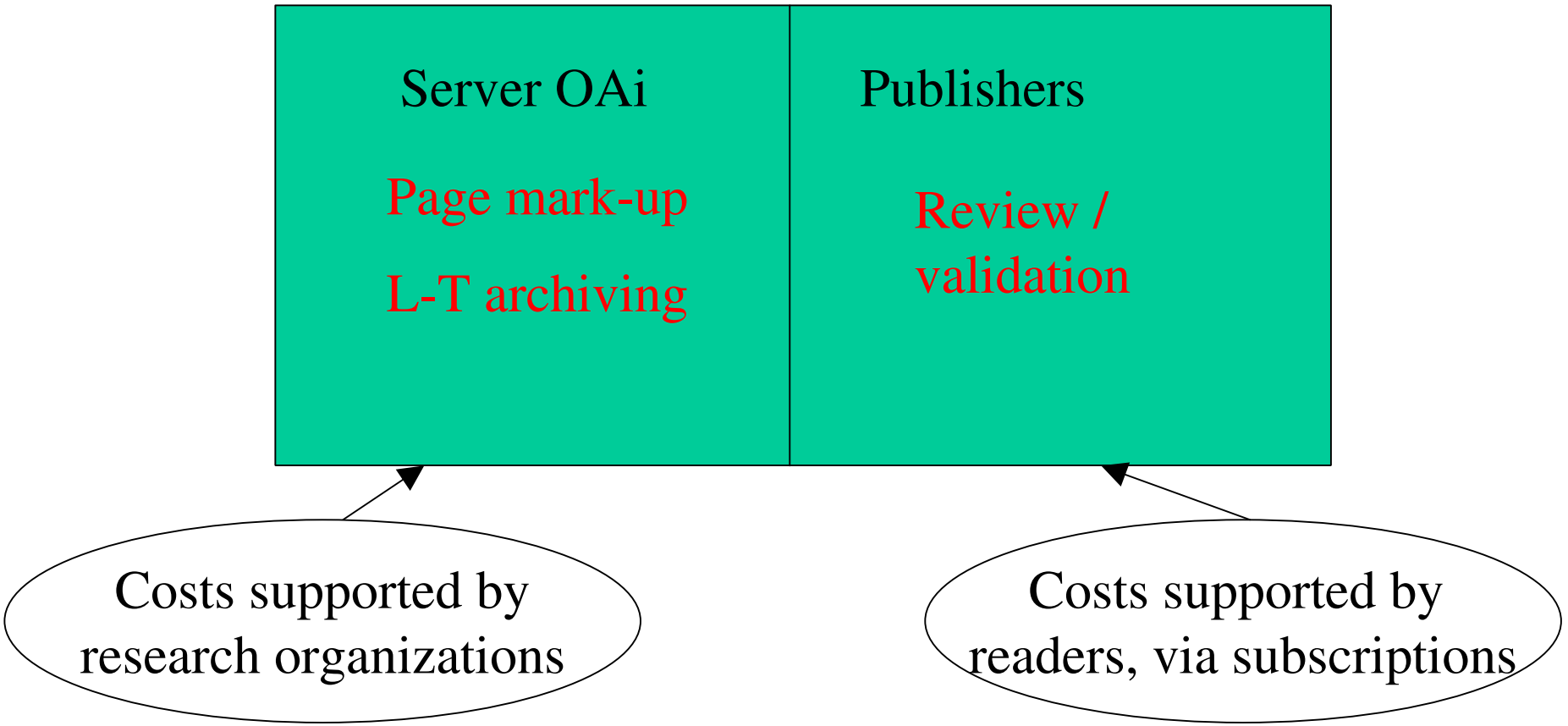
- Major cost components
  - Certification/Review/Validation/
  - Page mark-up
  - Long-term archiving
- Need a precise list of costs
- Need for a public (National Library), reliable long-term archiving solution

Economics

- Experiments underway for free access
  - NJP, page charge
  - PRSTAB, support from a few major organizations
  - JHEP and Dokumenta Mathematika, delayed paper edition
  - ...

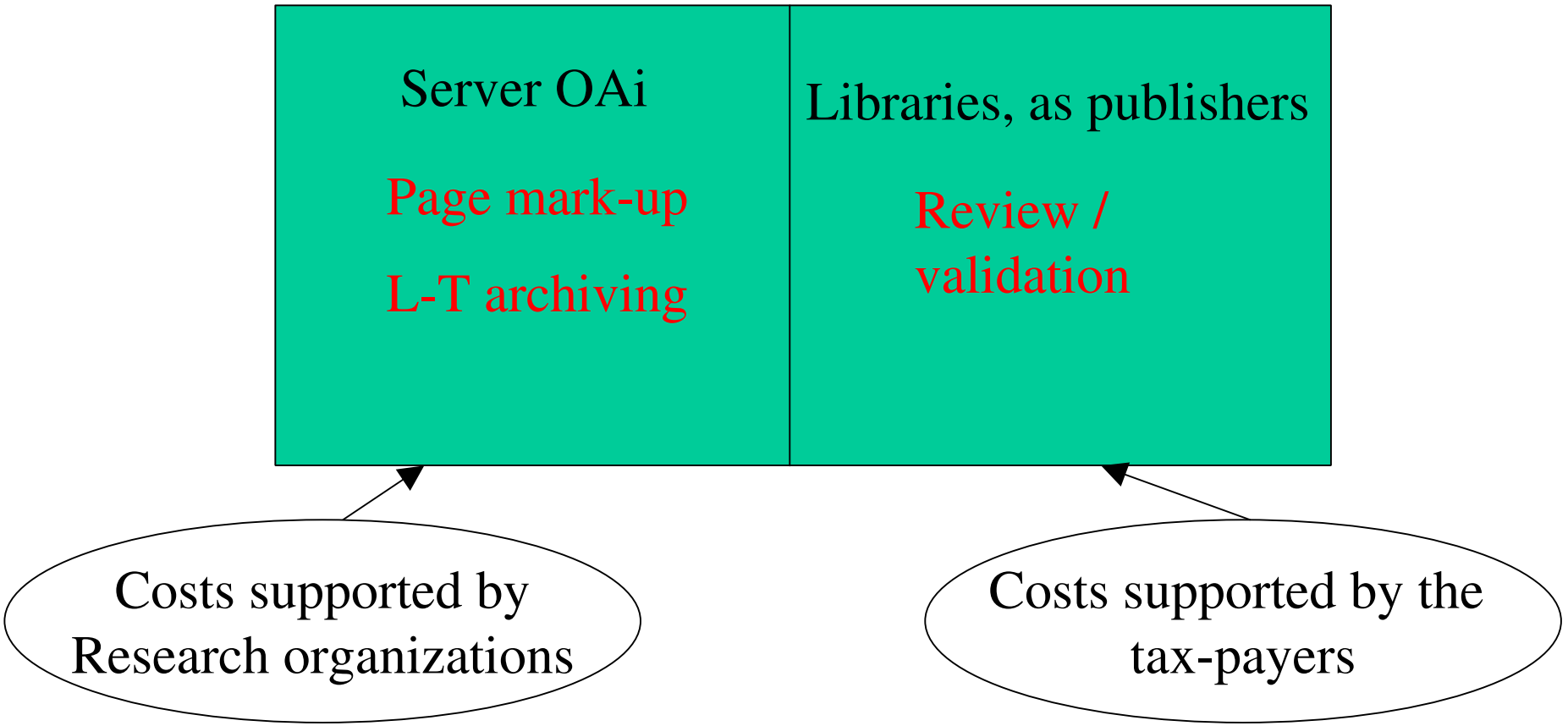
Business models

Model A



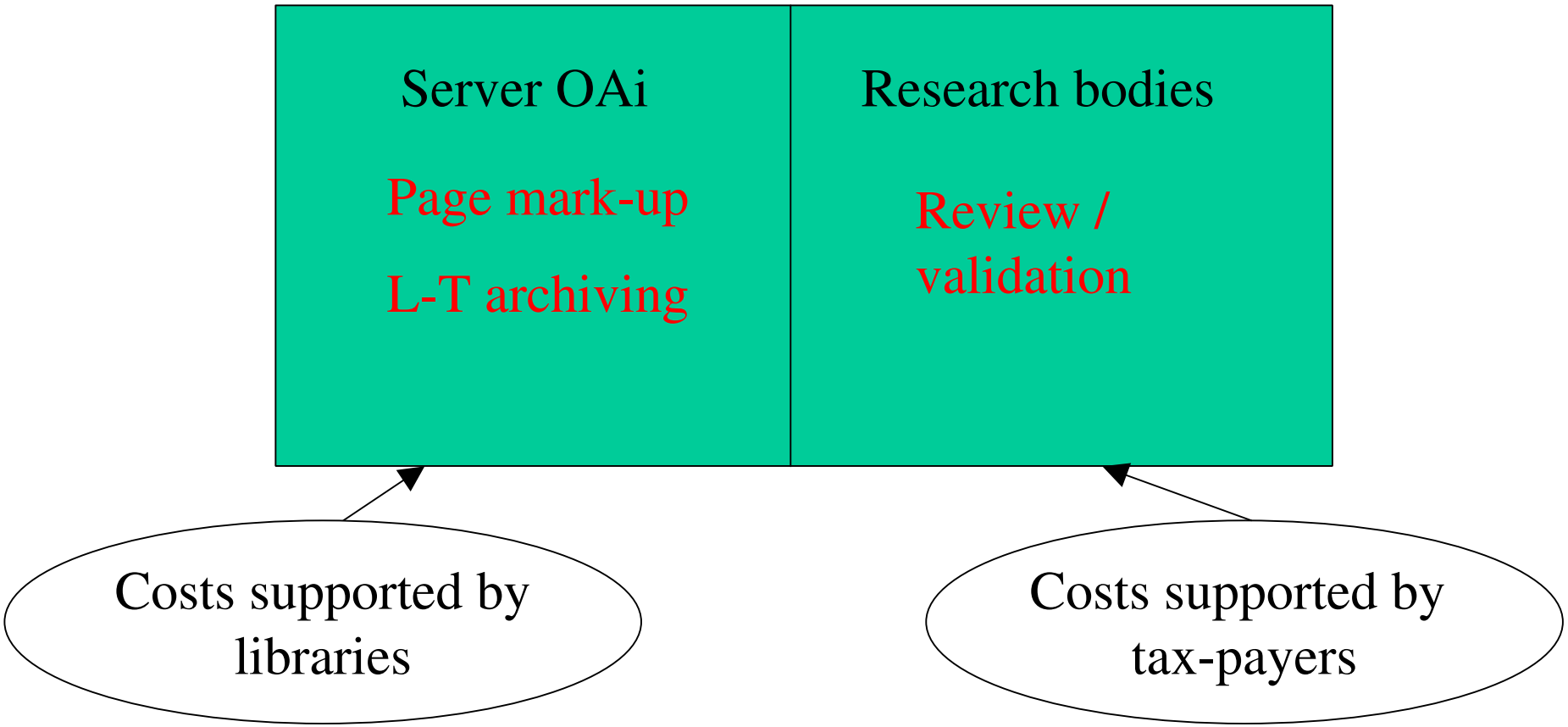
+ costs are closed to the interesed parts,
+ usage of available expertise
- Readers have to subscribe to a service

Model B



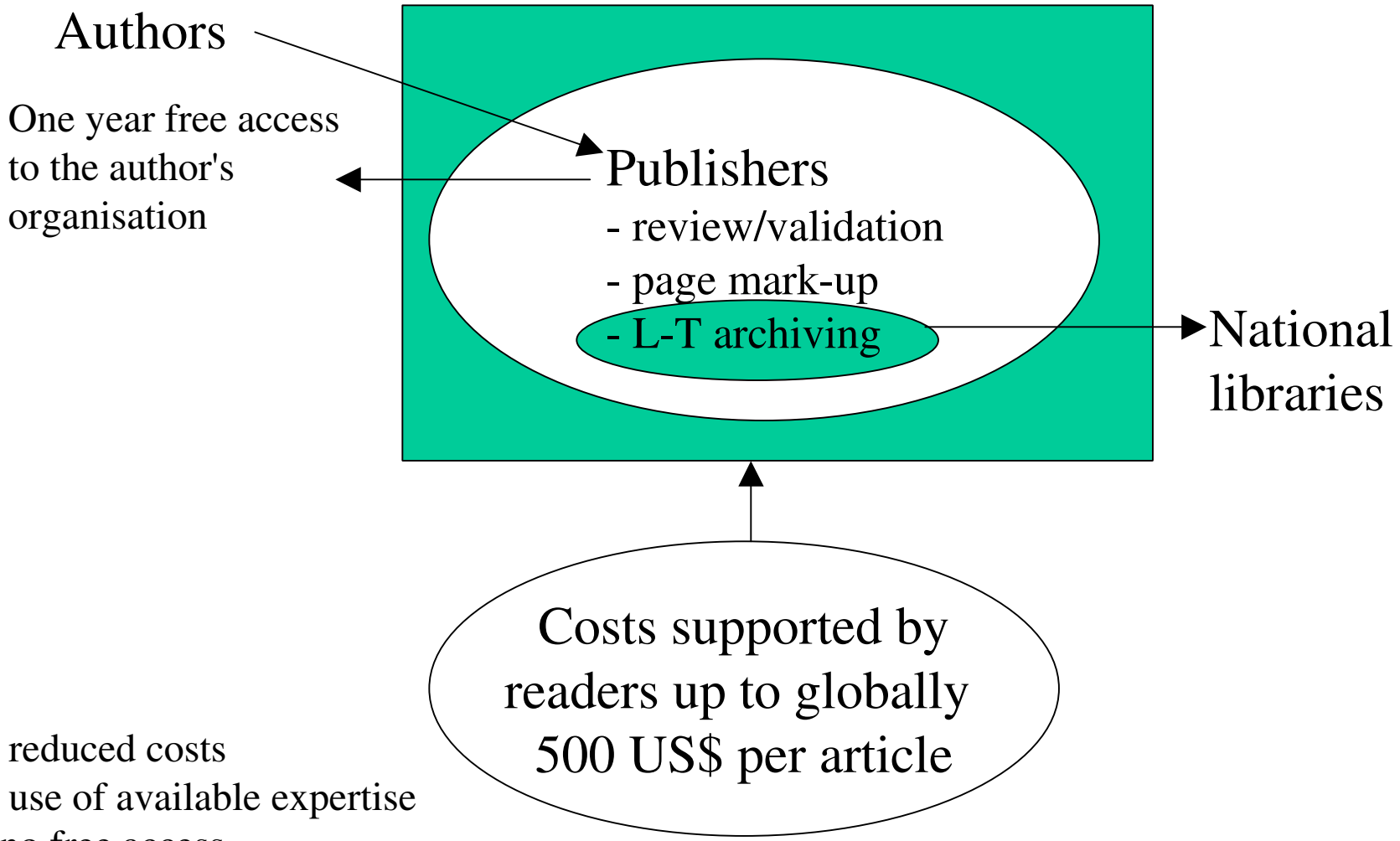
+ free access to all readers
- authors in healthy organization could publish more
- current "commercial" framework distroyed

Model B'



+ free access to all readers
- libraries have to support new services
- current "commercial" framework distroyed

Model C



+ reduced costs
+ use of available expertise
- no free access

Economics: basic agreements

- There is no general model
  - Business model depends on the discipline
- The business model should consider two different reader communities
  - Research community
  - Business community
    - General free access, additional services to the business community, to be defined

Economics: basic agreements

- Low cost spontaneous initiatives in scholarly communication already have a major impact on to the "commercial" business model