ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ

Υπουργεία Οικονομίας & Οικονομικών
Ειδική Γραμματεία Ψηφιακού Σχεδιασμού

Open Access

a prerequisite for Science with richness and reach...

Dr Yannis Larios
Advisor to the Secretary for Digital Planning
Ministry of Economy and Finance

Open Access

...a paradigm-shift already under way

Open Access in Public Digital Services

An analogy with interesting reflections in Science…

- Cities, Municipalities and Central Governments are facing a new reality: they cannot think of the innovative digital services that citizens demand…

- It's not about broadband infrastructure any more, or some supply-driven e-services

Citizens request more advanced and life-pertinent digital policies!

Open Access in Public Digital Services

If it's not the municipality or the government,

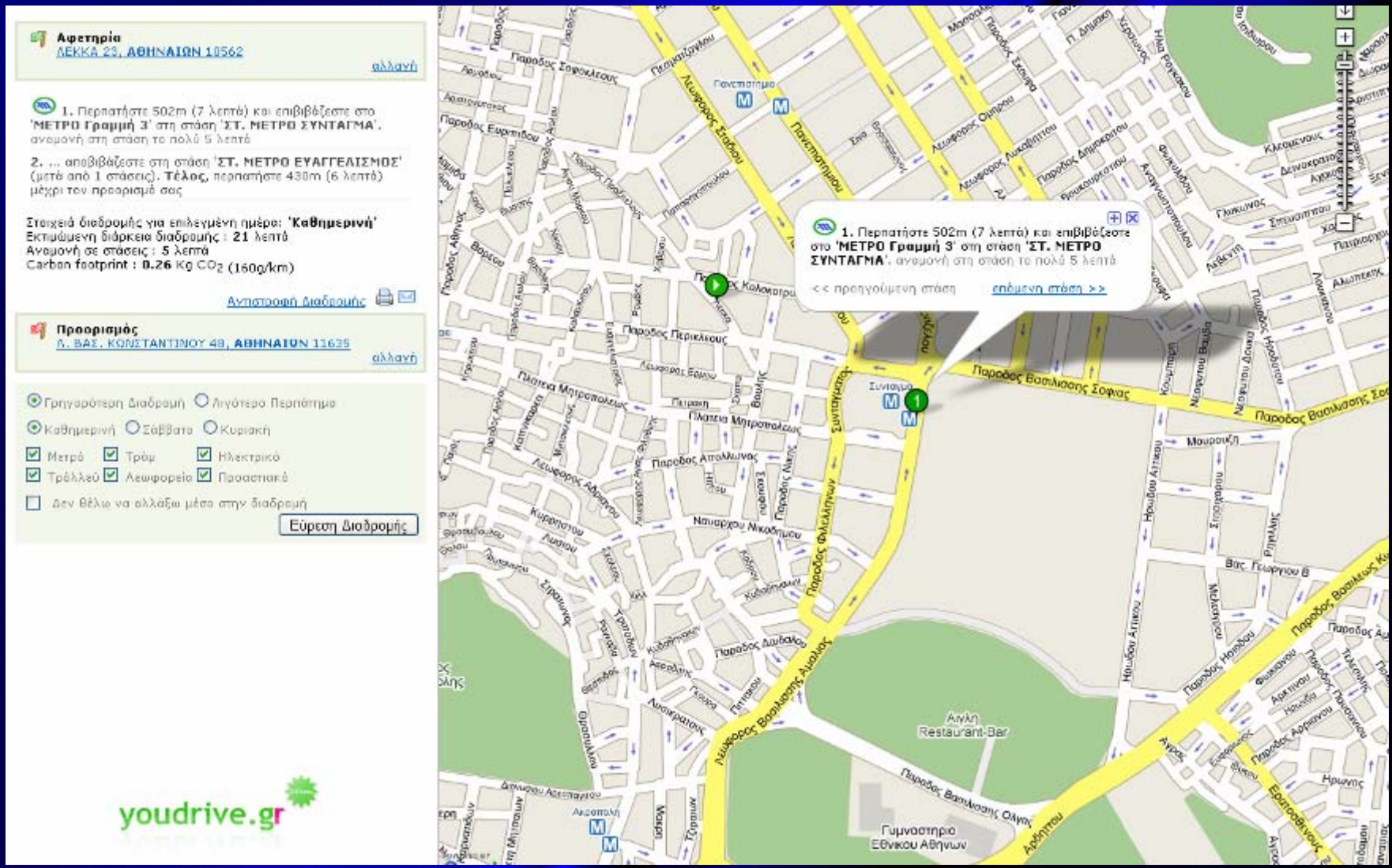
then **Who?**

Open Access in Digital Services: a paradigm-shift

An Australian example...

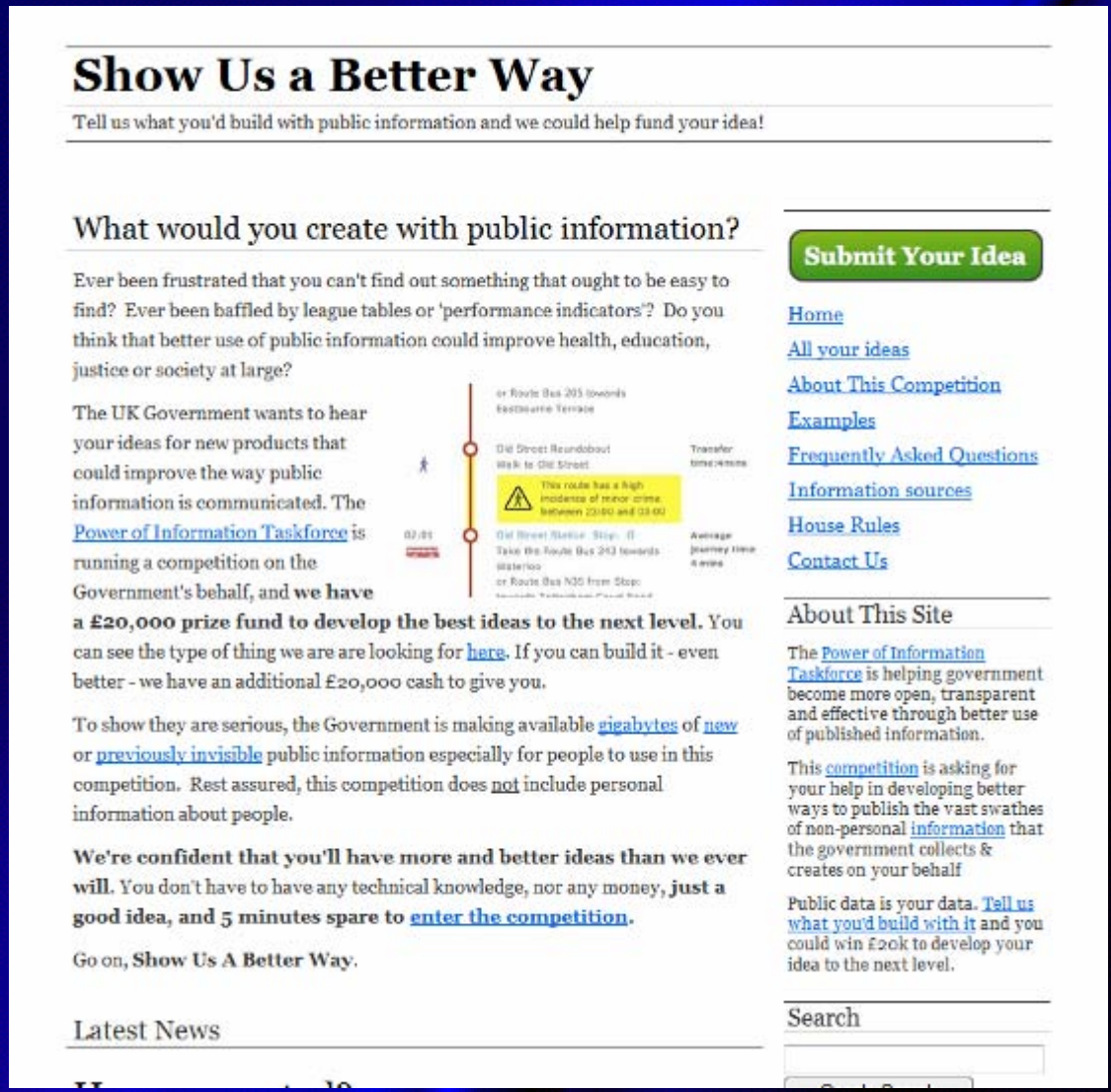
Open Access in Digital Services: a paradigm-shift

A Greek example…



Open Access in Digital Services: a paradigm-shift

Is this trend infectious?!...



Show Us a Better Way

Tell us what you'd build with public information and we could help fund your idea!

What would you create with public information?

Ever been frustrated that you can't find out something that ought to be easy to find? Ever been baffled by league tables or 'performance indicators'? Do you think that better use of public information could improve health, education, justice or society at large?

The UK Government wants to hear your ideas for new products that could improve the way public information is communicated. The Power of Information Taskforce is running a competition on the Government's behalf, and **we have a £20,000 prize fund to develop the best ideas to the next level.** You can see the type of thing we are are looking for here. If you can build it - even better - we have an additional £20,000 cash to give you.

To show they are serious, the Government is making available gigabytes of new or previously invisible public information especially for people to use in this competition. Rest assured, this competition does not include personal information about people.

We're confident that you'll have more and better ideas than we ever will. You don't have to have any technical knowledge, nor any money, **just a good idea, and 5 minutes spare to enter the competition.**

Go on, **Show Us A Better Way.**

Latest News

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Examples
Frequently Asked Questions
Information sources
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About This Site

The Power of Information Taskforce is helping government become more open, transparent and effective through better use of published information.

This competition is asking for your help in developing better ways to publish the vast swathes of non-personal information that the government collects & creates on your behalf

Public data is your data. Tell us what you'd build with it and you could win £20k to develop your idea to the next level.

Search

Open Access in Digital Services: a paradigm-shift

What is the strong message?

- Citizens grasped the opportunity of Open Access public data, provided by accredited institutions, and developed new services on the basis of their own real needs
- New digital services built incrementally by utilising wikis, open platforms, forums, Web 2.0 tools etc. – **all existing, open and widely-accessible tools**
- Results were encouraged and embraced by local governments
- Focus was **NOT** on new infrastructure or new budgetary provisions….

Open Access in Digital Services: a paradigm-shift

Any messages for Science?

Open Access =

Innovation and creativeness unleashed

through a change in the “business-model”

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Governments/ cities bravely admit

that they are not the “gurus” anymore,

having the only keys to the policy-making chest

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The “supply-focused” approach cannot guarantee results

Open Access in Science

... if Cities start doing it, then why not Science?

Open Access in Science

The issue is certainly not new and enjoys substantial agreement…

- "***Open access*** *(OA) is* ***free****, immediate, permanent, full-text, online access, for any user, web-wide, to digital scientific and scholarly material primarily research articles published in peer-reviewed journals*"*

- Since Feb 2002 (Budapest Open Access initiative) there has been a substantial (though not universal!) agreement

- **EC embraced the concept** lately more aggressively (Open Access pilot for research Articles)

** source: wikipedia*

Open Access in Science

However you look at it, there are advantages… in "Richness" and "Reach"

"Moral" issues

- It's the taxpayers money that funds research after all !…

Promotion and democratization of Science (increased "Reach")

- Higher researcher visibility
- Broader scientific debate (wider public)
- Improved access of developing nations and/ or institutions who cannot afford subscriptions

Contribution to innovation and commercialisation ("Richness")

- Improved access of SMEs to latest quality research
- New paths for commercialisation and innovation especially beyond national borders

Open Access in Science

If support is unanimous,

then why “not yet”...?

Open Access in Science

Possible answers…

We need to find a financially sustainable system.

Solid ROI in the dissemination system of scientific articles

Open Access in Science

Possible answers…

We need to find a financially sustainable system.

Solid ROI in the dissemination system of scientific articles

We need to maintain high quality.

Keeping important controls that safeguard quality

Open Access in Science

Finding a financially sustainable dissemination system: EC's approach

EC's Open Access Pilot initiative is on the right track

- **"Gold" Open Access** – costs of publishing covered by authors (i.e. university libraries)
  - Open Access Journals
  - "Hybrid" journals (subscription based by with Open Access option)

- **"Green" Open Access** – authors themselves deposit in repositories (archives- OpenDOAR)
  - Embargo period (6-12 mo.) allows publishers to recoup investment

Open Access in Science

Despite these benefits and suggestions...

Open Access in Science

Despite the obvious benefits…

20.000-25.000 peer-review journals

10%-15% are Open Access

~35% endorse some “Green Open Access”

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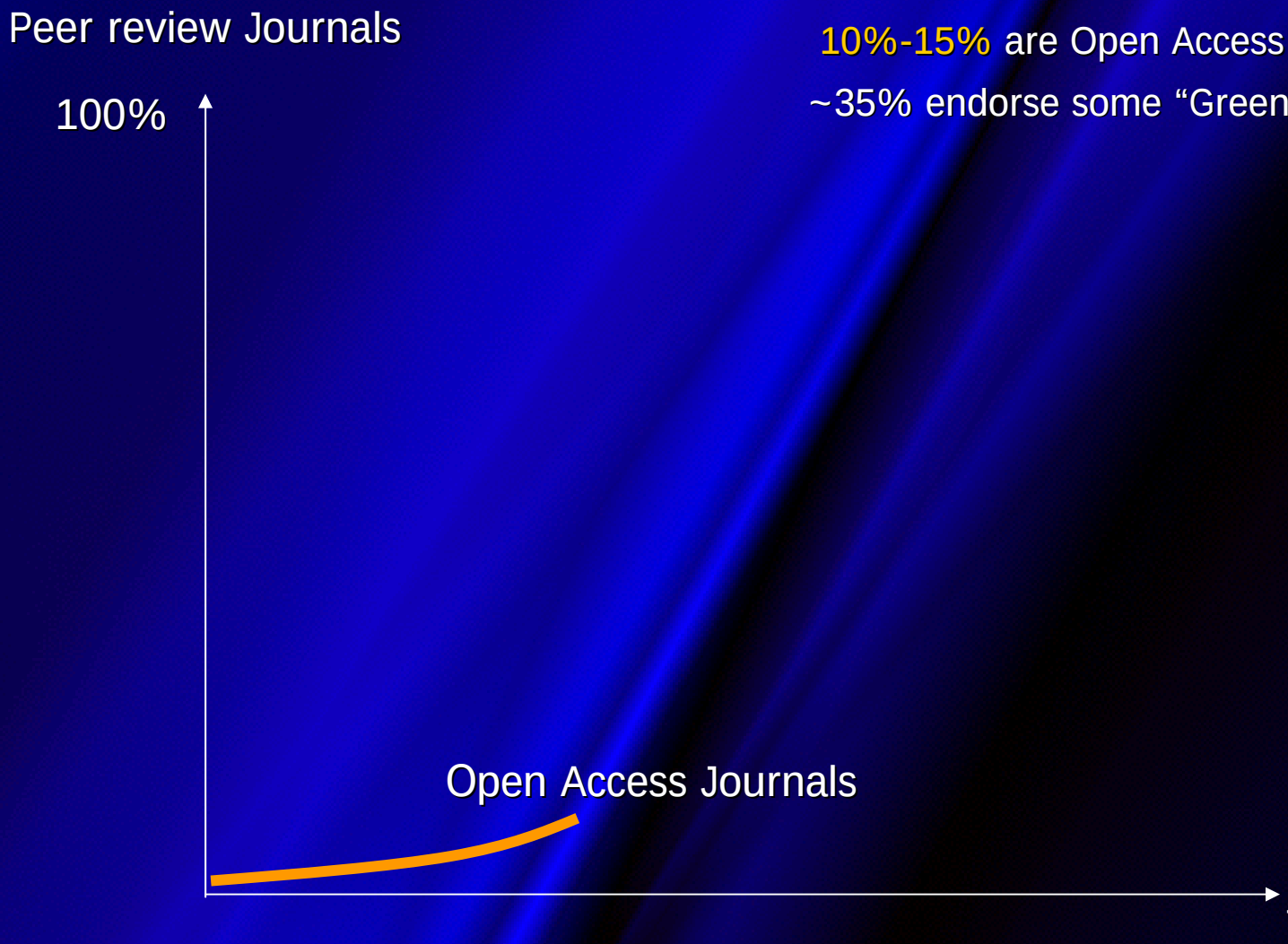

Open Access in Science

Possible answers…

We need to find a financially sustainable system

ROI in the dissemination system of scientific articles

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Keeping important controls that safeguard quality

Open Access in Science

Let’s bring back the “City” analogy…

Open Access in Science

What do the Researchers think?*

* Management Report 01/2007 – OA & Science Publishing- Ludwig-Maximilians-Universitat Munich

Open Access in Science

What do the Researchers think?*

Sample:

1433 people from 49 countries

688 people stated to be scientists

(professors, assoc. prof., asst prof., doctoral cand. etc.)

Varying disciplines

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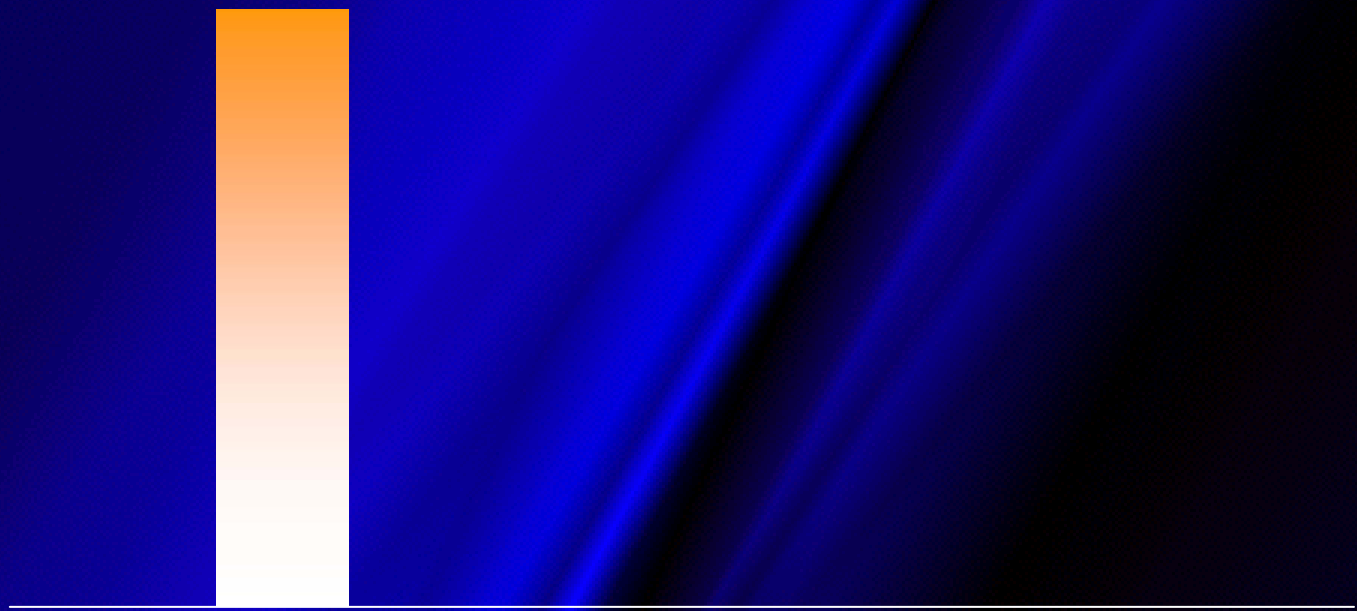
Open Access in Science

What do the Researchers think?*

91% highly positive attitude towards OA



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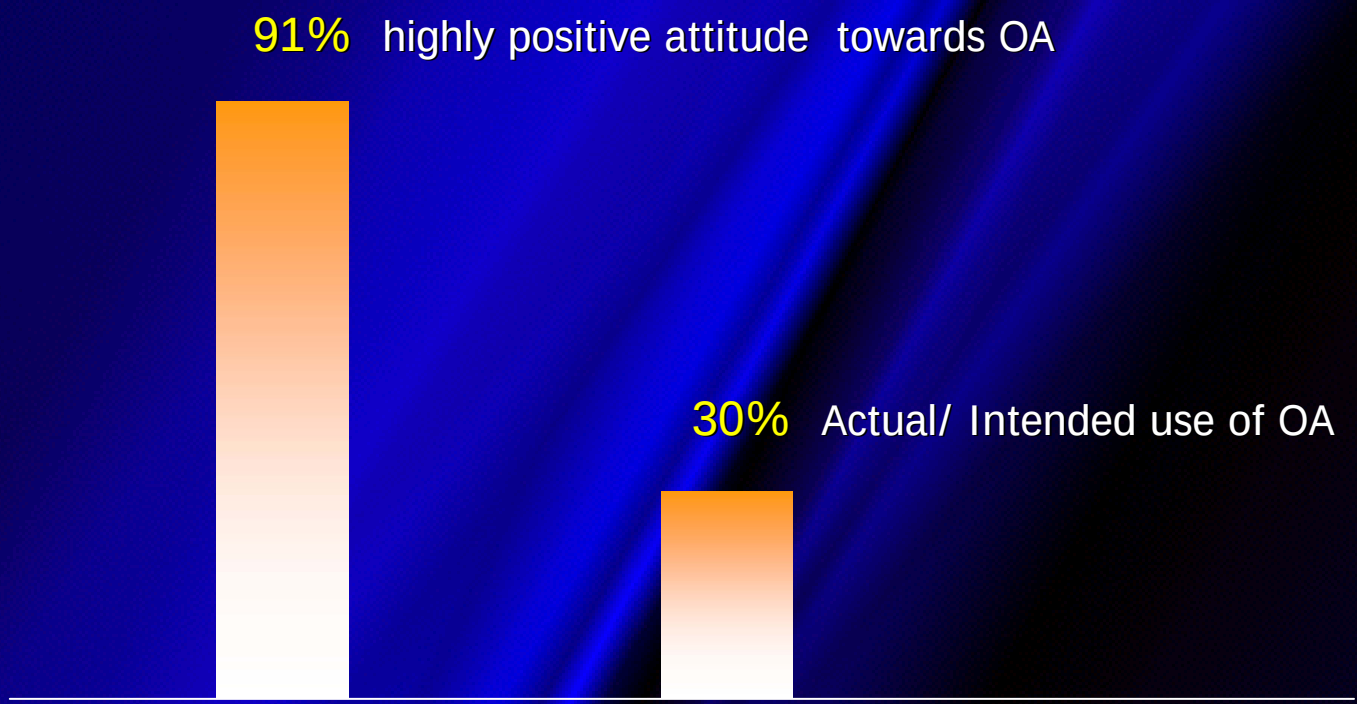

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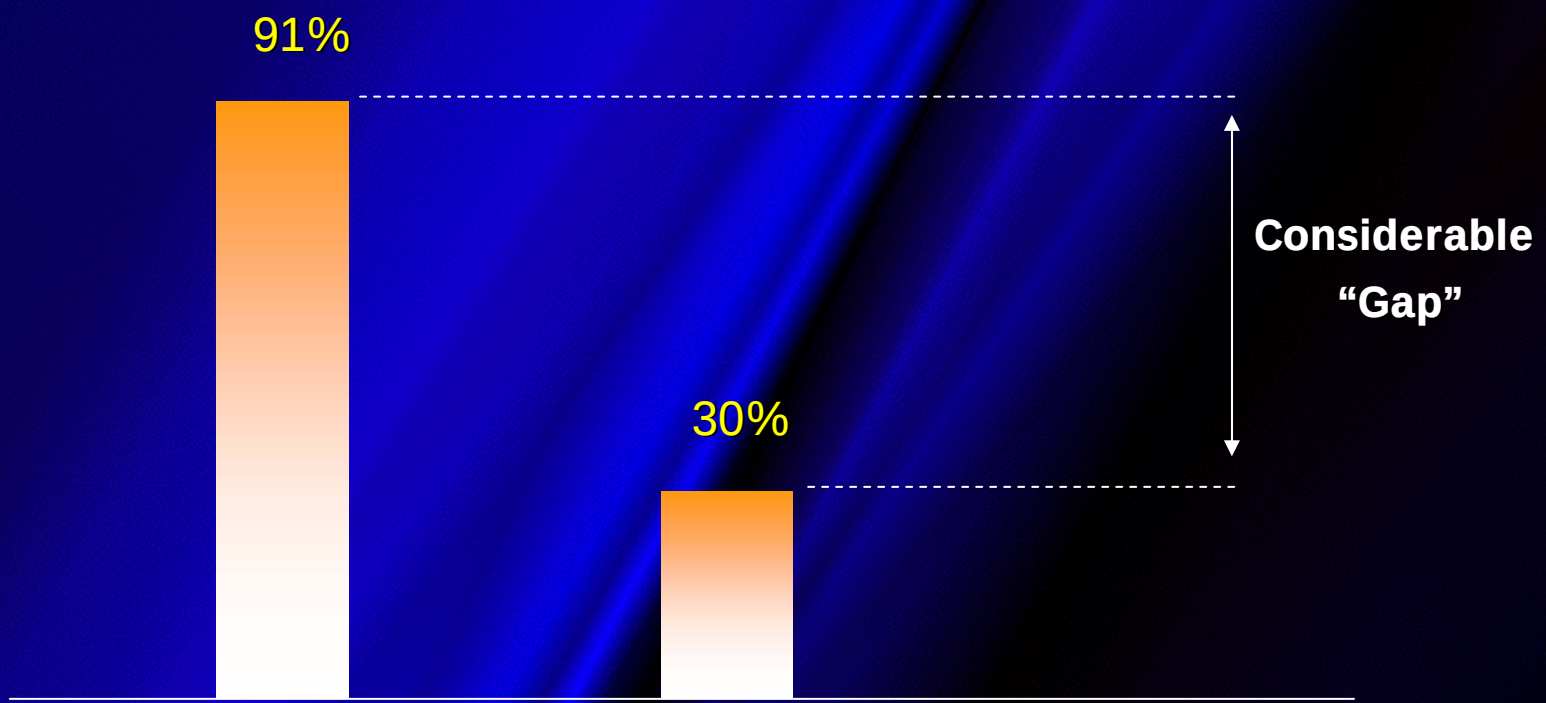

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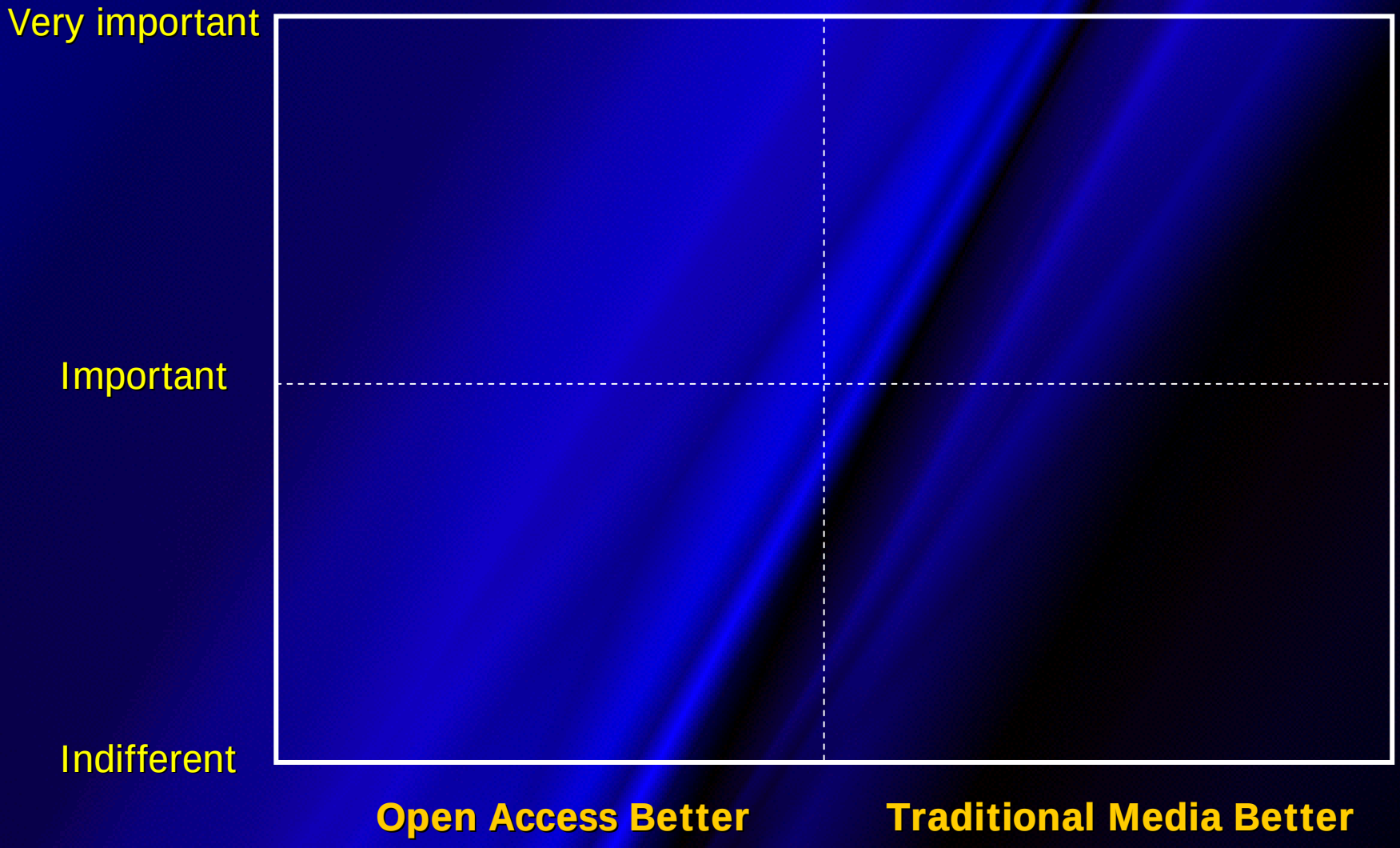
Open Access in Science

Comparison of Open Access and Traditional Publication



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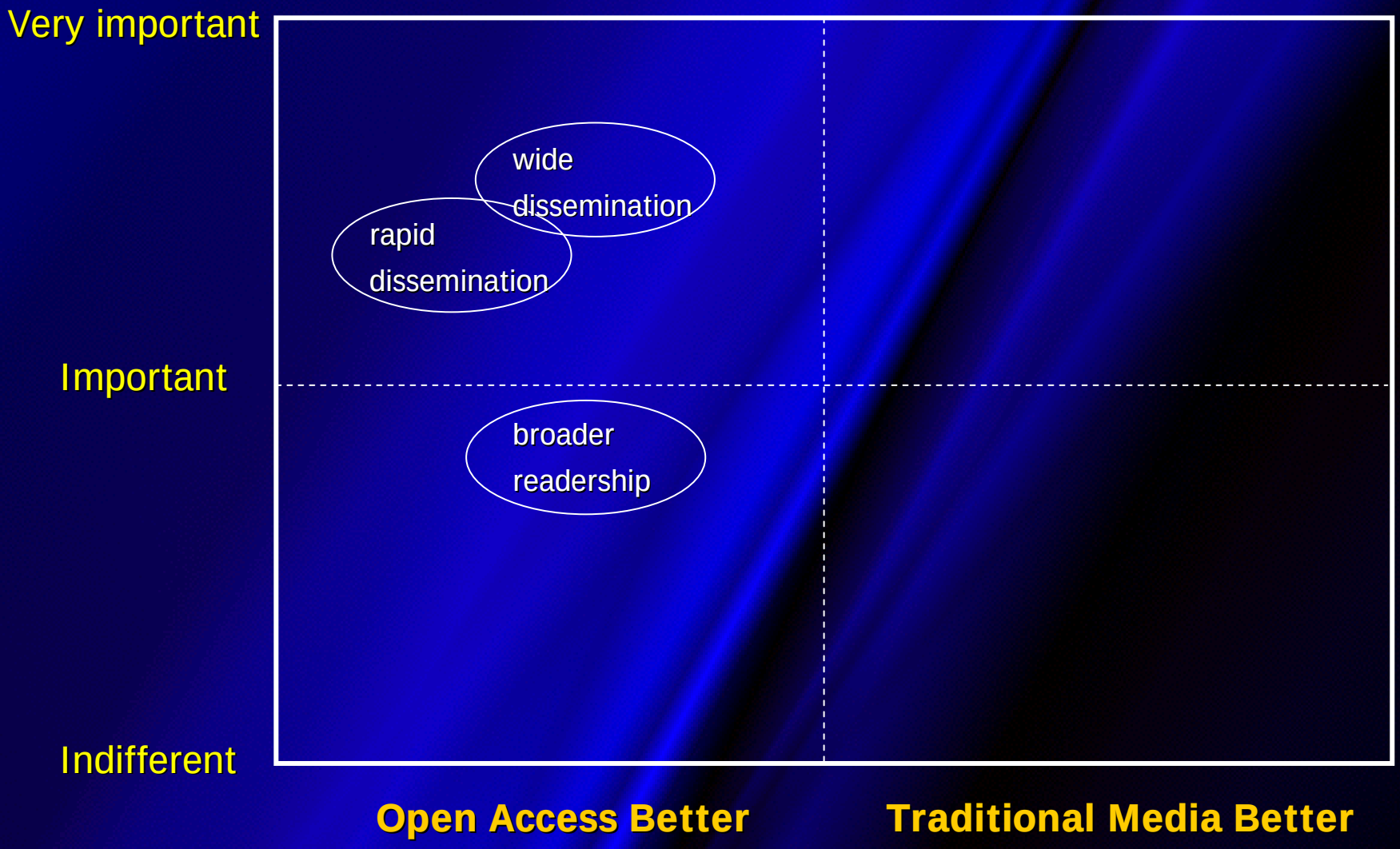

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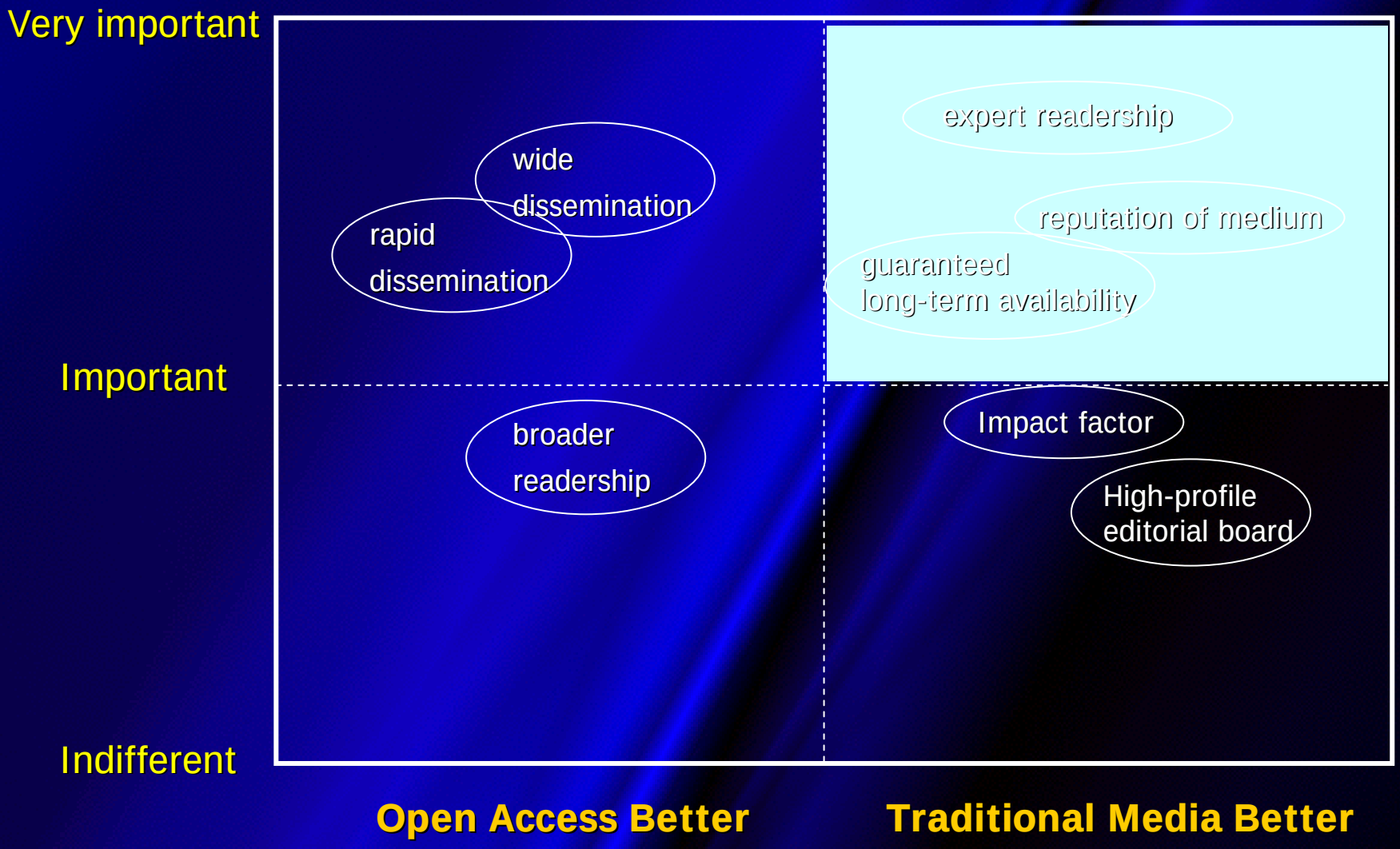

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Open Access in Science

These findings provide a solid base for policy development to promote OA

Supporting Factors

- Positive Attitude towards OA
- Experience in accessing literature in OA high
- Higher speed of publication
- Possibly higher citation rates
- Easy access in developing countries
- Large readership
- Easy to learn
- Choice of preferred publication medium within researcher's control

Inhibiting Factors

Open Access in Science

Factors supporting and inhibiting the Open Access Principle

Supporting Factors

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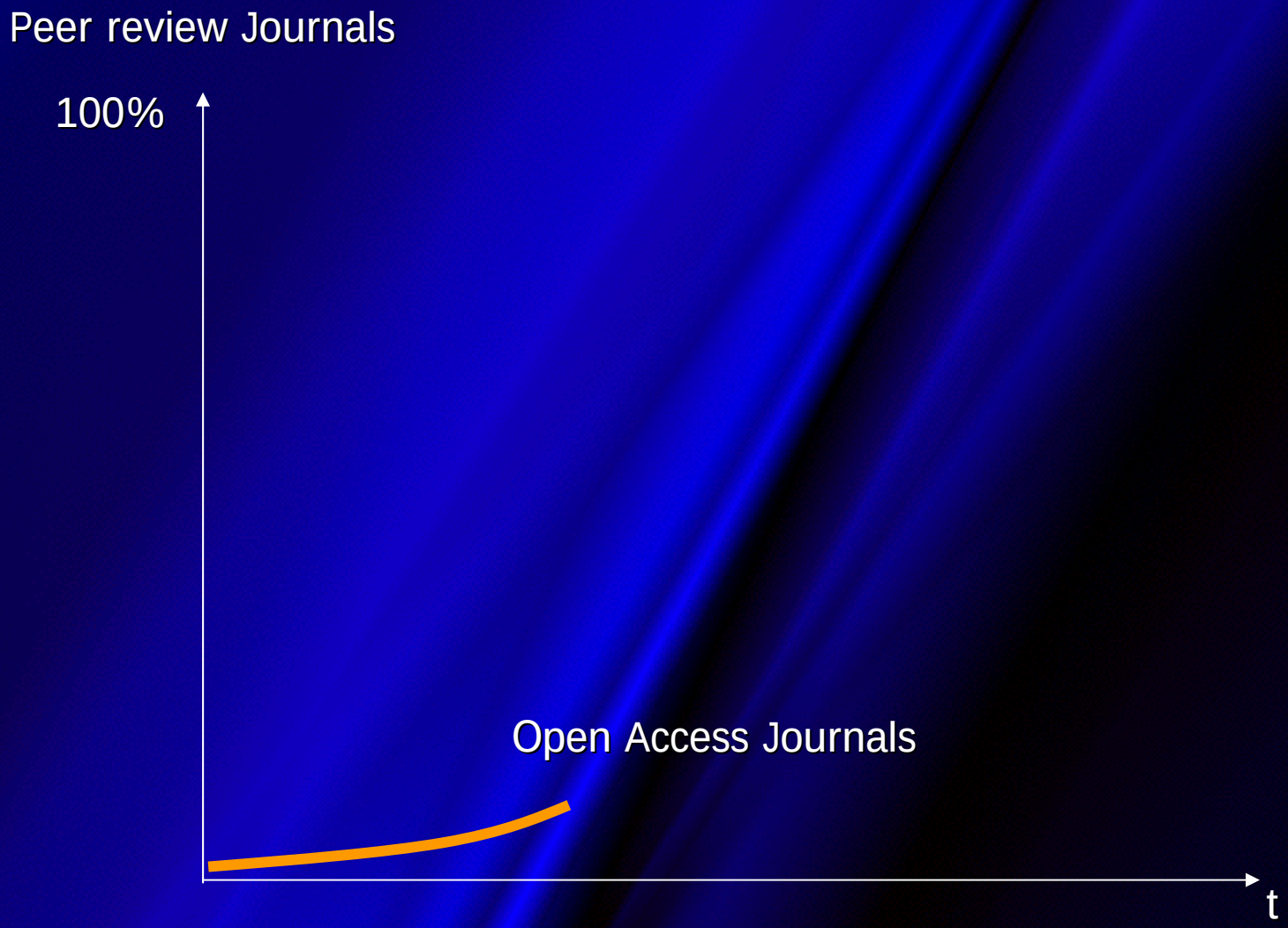
Inhibiting Factors

- \- Low level of peer use
- \- Deficient reach of core-target group of colleagues of own discipline
- \- No institutional support
- \- Higher reputation in trad. public.
- \- No guarantee of long-term availability
- \- Little familiarity
- \- Deficient impact factor

Open Access in Science

The way forward…



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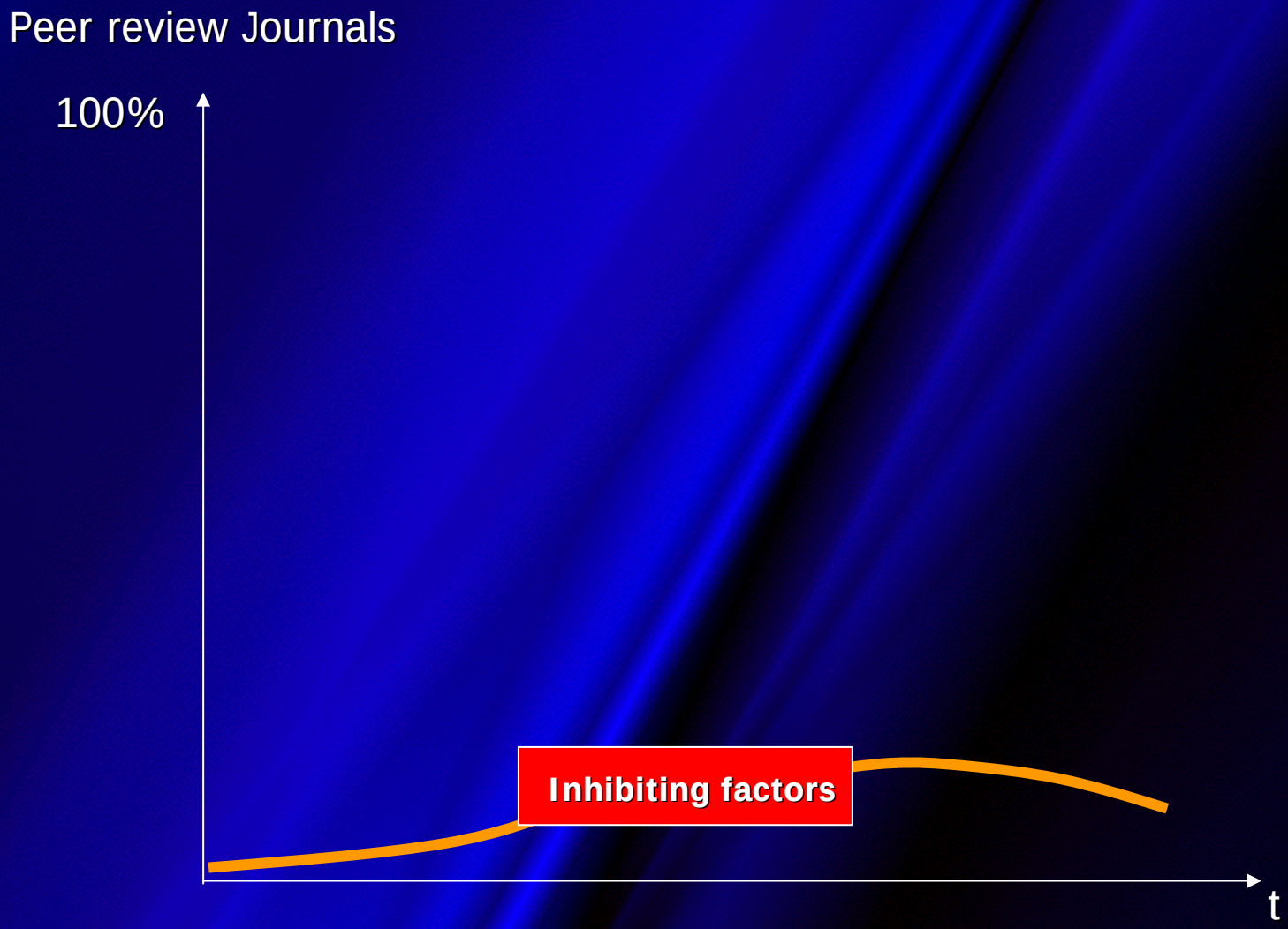

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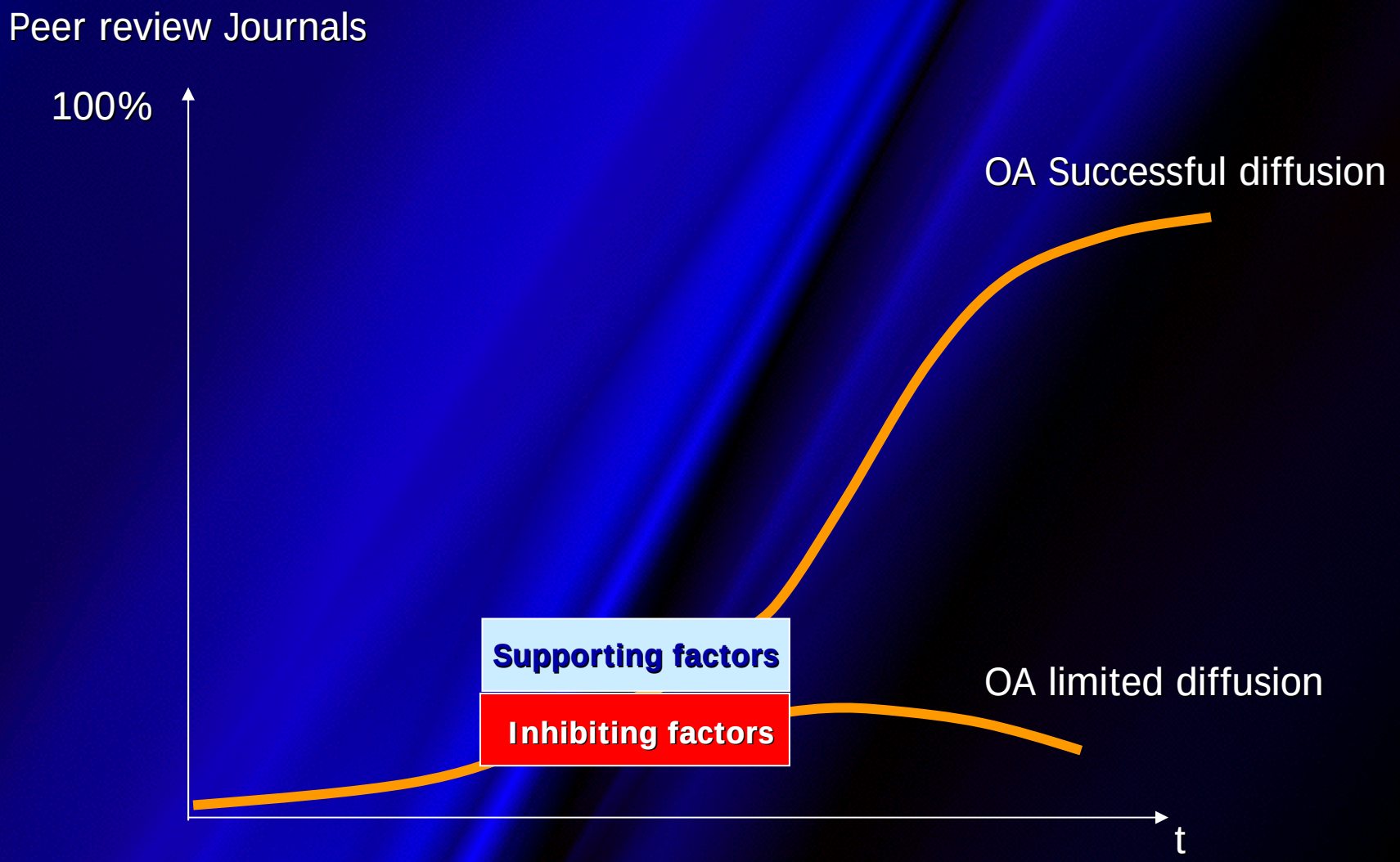

Open Access in Science

... Some concluding thoughts on policies

Open Access in Science - Policies

Greek Digital Strategy 2006-2013 already supporting OA principle

Initiatives already under way

- Financing of projects such as the "National Information System for Research and Technology, Phase III – Open Access Electronic Repositories and Journals" - National Documentation Centre

The years ahead

- A new OP "Digital Convergence" (2007-2013) with a clearly articulated focus/ direction on financing "Digital Knowledge" initiatives within the Greek Digital Strategy 2006-2013

Open Access in Science - Policies

Greek Digital Strategy 2006-2013 - critical dimensions

- Not so much an issue of infrastructure - beware once again of supply-side initiatives!

Most important: **reach a critical science mass.**

- Academic institutions and research foundations have a key-role to play, but need strong co-ordination:
  - to help disseminate the Open Access principle at researchers everywhere
  - to inform about the possibility of additional OA publications
  - to gradually adopt/ enforce the principle of “Gold” Open Access in publications
  - to promote practices of self-archiving on their own websites

Open Access in Science

After all....

if **Open Access** is a principle

that unleashes Innovation and Creativeness...

...then how come

Academic Institutions & Research Foundations,

the “knowledge factories” of today,

not be at the Creativeness forefront ?

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ

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