Visions of an Open Science

Transparent

Participative

Distributed

Transparency

Archiving

Access

Autonomy

Community

Participation

Distribution

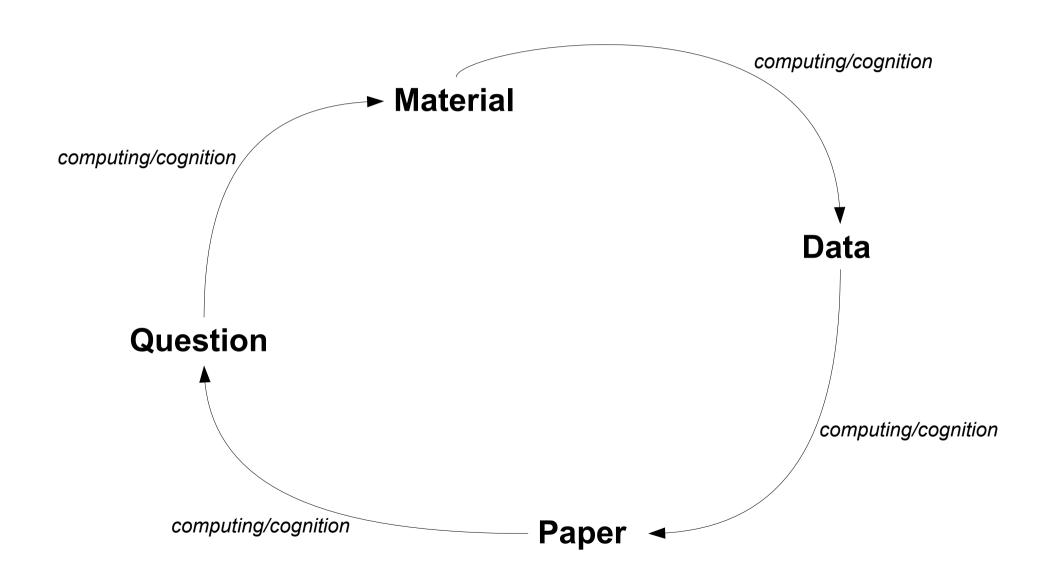
Integration

Modularization

This is the contemporary view of participatory democracy.

Science as usual

Science as usual



Science as usual

...that's more like it! computing/cognition Material computing/cognition **Data** computing/cognition **Question** computing/cognition computing/cognition Paper

Element	Where found	Openness issue	Technical solution	Legal solution
Papers	Journals	Open access	Open document formats	Creative Commons licenses

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Questions	Researchers	Socialization	Networking platforms	Ethics

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Exploring new ground

Computing, PCs, C.C.C. Cognition Humans Engagement	*@home, BOINC, etc.	Terms of use
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Are we missing something?

Let's go back to participatory democracy...

People immediately communicate their issues

Their assessment of the situation

Their evaluation of policy

Their proposed solutions

Their drafts of bills

All before the "referees", those elected to office, even get their say.

Let's go back to participatory democracy...

People immediately communicate their issues questions

Their assessment of the situation material

Their evaluation of policy data

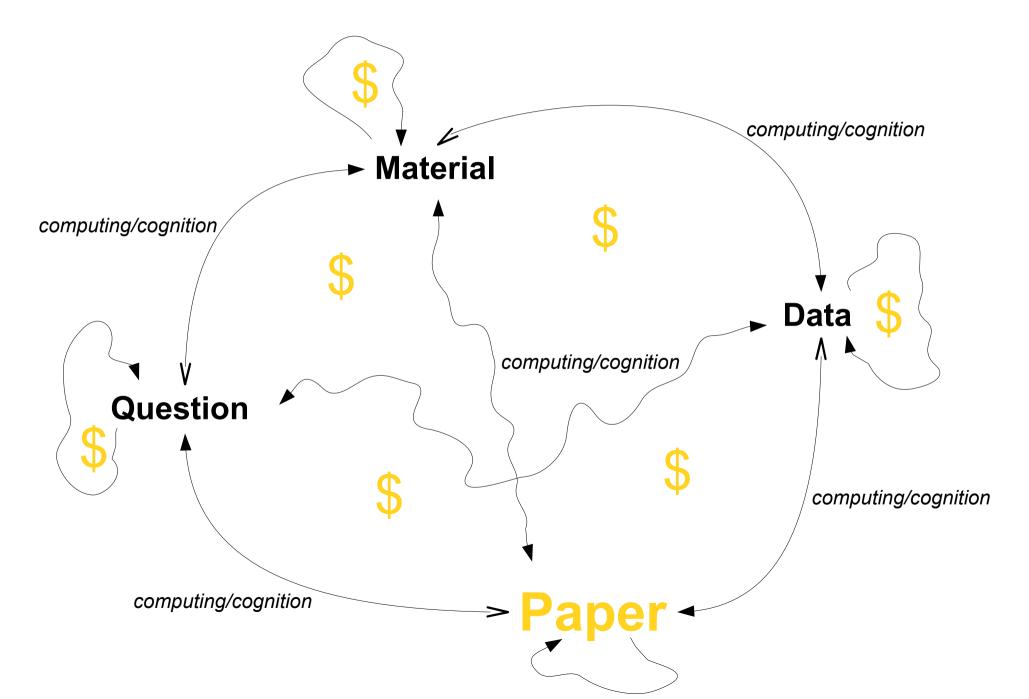
Their proposed solutions computation, cognition
Their drafts of bills

papers

All before the "referees", those elected to office, even get their say.

So why do scientists work in isolated groups until a paper gets published?

They will tell: we live in fear



Don't buy that

This "wiki" aspect of Open Science:

Organizes and speeds up the process of research <3

Makes massive collaboration possible :D

Easier to reproduce experimental work ;-)

Better assessment of the quality of research \o/

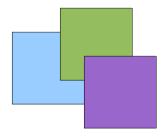
Potential to reduce inequality and cumulative advantage ^^

Incentives may even favor sharing of ongoing work OMG!!

Eventually we will need to get rid of the paper format and all the noxious numerology used to allocate resources, but right now we can patch this to the current incentive system using technology already available...

...by updating the oldest technology of all: ETHICS

Obrigado!



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